

**NOTICE OF PUBLIC MEETING**  
**The public meeting of the**  
**Los Cerritos Wetlands Authority (LCWA)**  
**will be held on**

**Thursday, November 4, 2021**  
**at**  
**12:30pm**

*Per Executive Order N-29-20, Paragraph 3, issued by California Governor Gavin Newsom on March 17, 2020, and Executive Order N-08-21, issued on June 11, 2021, related to the State of Emergency declared as a result of the COVID-19 virus, and Pursuant to California Government Code section 11133 (added by Stats. 2021, ch.165, § 2), LCWA board meetings will be temporarily conducted remotely via the below access information. Anybody needing assistance accessing the meeting should contact RMC Staff Services Manager, Salian Garcia, at [sgarcia@rmc.ca.gov](mailto:sgarcia@rmc.ca.gov) or at 626-815-1019 x 110.*

**At the following location:**

**TELECONFERENCE MEETING VIA ZOOM**

**ADDRESS:**

<https://us02web.zoom.us/j/87612405548?pwd=RVlUVlpVVDd4QithNkdYanF4RUJPQT09>

**Or by phone at 1-669-900-9128**  
**Meeting ID: 876 1240 5548**  
**Passcode: 161704**

**AGENDA**

1. Call to Order
2. Roll Call
3. Public Comment

*Public participation is welcome. A maximum of one (1) hour has been set aside for all public comment and testimony, for items both on the agenda and not on the agenda. All such public comment will occur at the top of the meeting after the roll call is taken, and no further public comment will be taken after the public comment period has closed unless allowed at the discretion of the Chair. Individuals wishing to comment should address the Chair and are encouraged to fill out this [online comment card](#) for the official record on or before **November 3, 2021 by 4:00pm**. All members of the Board will receive all the comments submitted online before the meeting. However, individuals may elect to have their comments read by the Chair during the meeting or read by the commenter. Public comment can be requested and made during the meeting by virtual means or phone during the public comment period. Although not required, in order to facilitate an orderly remote meeting, it is helpful to let the RMC Staff Services Manager know in advance if you would like to make a public comment. Individuals representing themselves will be allowed two (2) minutes to speak, and representatives of organizations/agencies will be allowed three (3) minutes to speak. Speaker time may be reduced depending on the number of speakers. No questions shall be posed to any member of the body except*

*through the Chair, members of the Board are under no obligation to respond to questions posed by speakers but may provide brief responses to any comment made or questions posed. Please reach out to Salian Garcia, RMC Staff Services Manager, at [sgarcia@rmc.ca.gov](mailto:sgarcia@rmc.ca.gov) or at 626-815-1019 x 110 if you need assistance.*

4. Chair's Report
5. Approval of the Minutes, September 9, 2021.

### **Regular Calendar**

6. Status Report on Work Plan Implementation
  - a. Land Management Update
  - b. Los Cerritos Wetlands Stewardship Program Coordinator Update
  - c. Homeless Relocation Program Update
  - d. El Dorado Audubon Update
  - e. Expenditures Report
7. Consideration of a resolution authorizing the Executive Officer to execute documents necessary to satisfy conditions in the Notice of Intent to Issue Permit for Coastal Development Permit No. 9-18-0395.
8. Consideration of a resolution authorizing the Executive Officer to commit staff resources to negotiate an agreement and workplan with AES Corporation for their Voluntary Environmental Benefits Grants Program.
9. Closed Session: Pursuant to Government Code section 54956.8, LCWA may hold a closed session to consider the Draft Appraisal Report and the Draft Land Transfer Agreement, and related items, between Los Cerritos Wetlands Authority and Los Cerritos Wetlands, LLC for the APN 7237-019-809; 7237-017-010 thru 014; 018; 019; LCWA Negotiators: Mark Stanley and Property Owner Negotiator: John McKeown and Michael Di Sano. Under Consideration: Price and Terms.
10. Oral Communications
  - a. Statements, responses, questions or directions to staff pursuant to Section 54954.2(a) of the Government Code.
  - b. Future agenda items.
11. Adjournment upon completion of business.

*During the meeting the Governing Board may hold a closed session on any item pursuant to Government Code sections 54956.8 and 54956.9. Members of the public wishing to address the Governing Body on any item should address the President of the Authority in advance of the meeting. Questions about the agenda items should be addressed to Mark Stanley, Executive Officer at (626) 815-1019 ext 100.*

*Note: In accordance with the Americans with Disabilities Act of 1990, if you require a disability-related modification or accommodation to attend or participate in the meeting, including auxiliary aids or services, please contact Salian Garcia at [sgarcia@rmc.ca.gov](mailto:sgarcia@rmc.ca.gov) or at (626) 815-1019 ext 110 at least three (3) days prior to the meeting.*

**Los Cerritos Wetlands Authority****Date:** November 4, 2021**To:** Governing Board Members**From:** Mark Stanley, Executive Officer**Subject:** Item 6: Status Report on Workplan Implementation including Los Cerritos Wetlands Stewardship Program and Los Cerritos Wetlands Conceptual Restoration Plan.

**BACKGROUND:** At the September 19, 2006 meeting, the Board adopted the Workplan set forth below. An updated description of the status of each workplan item is detailed in the following table:

<b><u>November 2021 WORKPLAN STATUS UPDATE</u></b>		
<b>LCWA Projects</b>		
<b>Task</b>	<b>Description</b>	<b>Status</b>
<b>Legislative Updates</b>		

<b>Potential Funding Sources</b>		
<p>State Water Board Once-through Cooling Interim Mitigation</p> <p><b>Funding will depend on mitigation fees collected</b></p>	<p>The Once-Through Cooling (OTC) Policy requires owners or operators of existing power plants to implement measures to mitigate interim impingement and entrainment impacts resulting from their cooling water intake structures. The interim mitigation period commenced on October 1, 2015 and continues up to and until owners or operators achieve their final compliance deadlines as outlined in the OTC Policy.</p> <p>Under an Agreement between SWRCB and SCC, mitigation funds paid under this policy may be used by the Conservancy to fund wetland restoration projects, with priority given to projects recommended by the Wetlands Managers Group of the Southern California Wetlands Recovery Project from its current Work Plan.</p>	<p>Funding will depend on the mitigation fees collected by the State Coastal Conservancy</p> <p>Funding was received from the SCC for the Southern Los Cerritos Wetlands Restoration Project.</p>

Task	Description	Status
<b>Capital Projects &amp; Initiatives</b>		
Los Cerritos Wetlands Planning and Restoration Project	Complete the Environmental Review of the Conceptual Restoration Plan through CEQA in a Program Environmental Impact Report	<p>Funding is provided to conduct CEQA analysis to engage an environmental consultant contract.</p> <p>Environmental Science Associates is under contract and a series of meetings have been conducted since March of 2018. The NOP and Initial Study were filed with the appropriate agencies on March 8, 2019. All required mailings and postings were completed and notified the public of the NOP comment period (March 8-April 8, 2019). The AB52 tribal consultations have been completed. Critical stakeholders are being regularly updated. The DEIR was released for public comment on May 8, 2020. The public comment period was extended to 60 days and concluded on July 6, 2020. The LCWA held two webinars to provide the public information about the document and assist with answering questions.</p> <p>The FEIR was released for public review on October 22<sup>nd</sup>, 2020, along with a notice of public hearing.</p> <p>The FEIR was certified by the LCWA Board on January 7, 2021. The Los Cerritos Wetlands Habitat Restoration Plan was adopted by the LCWA Board on July 1, 2021.</p>
Los Cerritos Wetlands Acquisition of the Bryant Properties	Complete the acquisition of all property owned by the Bryant Family for an additional 18 acres along the frontage of 2 <sup>nd</sup> Street- Westminster Avenue added to the property preserved for perpetuity as public.	There is no current activity on this acquisition, and grant funds for this project have been returned to the grantors.



Los Cerritos Wetlands LLC Restoration and Oil Consolidation Project	The project would implement a comprehensive wetlands restoration project which will restore a privately-owned oil field in the City of Long Beach through creation of a wetlands mitigation bank. The project includes the relocation of oil operations currently located on the Synergy Site and City-owned property to two off-site properties (LCWA's OTD Parcel and Pumpkin Patch site).	<p>The project was approved by the LB Planning Commission on November 30, 2017. It was then approved by the LB City Council on January 16, 2018. The LCP amendment was approved at the California Coastal Commission hearing on August 8<sup>th</sup>, 2018 in Redondo Beach. The CDP application went before the California Coastal Commission on December 13<sup>th</sup>, 2018 and was passed. The LCWA and BOMP are working collaboratively to meet the conditions set forth by the Coastal Commission staff report.</p> <p>LCWA continues to track all other aspects of the project including the mitigation bank, land exchange agreement, and entitlement process.</p> <p>A settlement has been reached on <i>Puvunga Wetlands Protectors v. California Coastal Commission, et al.</i>, Los Angeles Superior Court Case No. 19STCP00435.</p>
Southern Los Cerritos Wetlands Restoration Project	This project will build off conceptual designs in the CRP (2015) and PEIR (2020) and complete 65% ecological restoration designs, environmental certification, and permitting applications for the 100-acre Southern Los Cerritos Wetlands site in Seal Beach, CA.	<p>Funding has been awarded from CDFW, SCC, and RMC to complete 65% designs. LCWA released a RFP to select a consulting team for this work on September 29, 2020 and has awarded the project to Moffat &amp; Nichol on January 7, 2021. Permitting, geotechnical and design work, and tribal engagement has started. Supporting project level biological surveys have been completed and reports are currently being developed.</p> <p>A virtual Public Meeting is planned for 6:30pm on December 7. Please see LCWA's website for more information.</p> <p><a href="https://intoloscerritoswetlands.org/southern-los-cerritos-wetlands-restoration-project/">https://intoloscerritoswetlands.org/southern-los-cerritos-wetlands-restoration-project/</a></p>
Option Agreement to transfer properties between Los Cerritos Wetlands LLC(LCWLLC) and the LCWA	LCWLLC and the LCWA executed an option agreement that provides for the exchange of real property. Agreement was signed on 9/2/16 to transfer the LCWA APN 7237-019-809, approximately 5.11 acres for the LCWLLC property described as APNs 7237-017-010; 7237-017-011; 7237-017-012; 7237-0217-013; 7237-017-014; 7237-017-019; 7237-017-805; 7237-017-806; 7237-017-807; 7237-017-808; 7237-017-809 approximately 154 acres.	<p>The LCWA received the option agreement funds which will be used to hire consultants to review technical studies.</p> <p>Negotiations of the land transfer agreement are ongoing.</p>

LCWA Mitigation Policy	Staff will require consultant services in order to assist in the development of the mitigation policy and currently the FY18/19 Budget does not have any unrestricted funds to support authorizing a consultant contract.	The LCWA would require additional funds from its joint partners in order to provide the financial support for authorizing a consultant contract for services and development of the mitigation policy. The cost to develop the mitigation policy would range from \$50,000 to \$100,000. These cost estimates were determined by researching various non-profits, regulatory agencies and other local and state agencies whom have completed similar and comparable mitigation policies.
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Task	Description	Status
<b>City of Long Beach Pending Environmental Documents</b>		
City of Long Beach Southeast Area Specific Plan (SEASP)	The City of Long Beach continues to work on the Southeast Area Specific Plan which covers approximately 1,500-acres of southeast Long Beach. <a href="http://www.lbds.info/seadip_update/">http://www.lbds.info/seadip_update/</a>	The Coastal Commission approved SEASP on October 8, 2020 with sixteen (16) modifications <a href="https://documents.coastal.ca.gov/reports/2020/10/Th11a/th11a-10-2020-report.pdf">https://documents.coastal.ca.gov/reports/2020/10/Th11a/th11a-10-2020-report.pdf</a>
300 Studebaker Road Industrial Park Project – Mitigated Negative Declaration	The project involves demolition of 400 sf of existing concrete, on-site pipeline structures, and asphalt paving, and the development of two concrete tilt-up industrial buildings, situated on 6.69 acres of land east of Studebaker Road. Approximately 1.81 acres of open space at the northwest and southwest corners of Studebaker and Loynes Drive is proposed to be donated to the LCWA as part of this project.	<p>The project was approved by the Long Beach City Council on January 7, 2020. An appeal on this decision was made to the Coastal Commission (Appeal No. A-5-LOB-20-0006). The Coastal Commission approved this project with Special Conditions on September 8, 2021.</p> <p>Special Condition 8 states that prior to issuance an offer to dedicate fee title to a public agency must be recorded in accordance with the terms of the CDP. The LCWA has been coordinating with Panattoni Development Company, Inc on this project and received a draft OTD for consideration and will be brought to the board for consideration at a future Board Meeting.</p> <p>Conversations regarding the native habitat restoration on the open space parcel and tribal access plan are currently active. On Oct 27, 2021, the LCWA and Panattoni provided a site tour with LCWA's TAG members to discuss tribal access on the property.</p>

Task	Description	Status
<b>Lease Agreements</b>		
<p>OTD/Edison Parcel Los Angeles County APN 7237-019-809</p> <p>Ellis Equipment, Inc. Lease Agreement</p> <p>Lease Fee = \$2,222 per month</p>	<p>The OTD Parcel is located on the northeast corner of Studebaker road and 2nd Street in the City of Long Beach and commonly referred to as the 'Edison Parcel' or 'Offer to Dedicate (OTD) Parcel.'</p>	<p>Ellis lease agreement utilizes only a portion of the OTD Parcel for storage of construction material. Ellis lease agreement has an end date of September 30, 2021.</p>
<p>OTD/Edison Parcel Los Angeles County APN 7237-019-809</p> <p>D &amp; S Washout Systems Lease Agreement</p> <p>Lease Fee = \$1,010 per month</p>	<p>The OTD Parcel is located on the northeast corner of Studebaker road and 2nd Street in the City of Long Beach and commonly referred to as the 'Edison Parcel' or 'Offer to Dedicate (OTD) Parcel.'</p>	<p>D &amp; S Washout Systems Lease Agreement utilizes a portion of the OTD parcel for the storage of work trucks and construction materials. The lease agreement has an end date of September 30, 2021.</p>
<p>California State Lands Commission Lease Agreement PRC9005.9. Orange County APNs: 043- 160-47; 043-160-36; 043-160-45; and 043- 160-53</p> <p>August 14, 2012 through August 13, 2022</p>	<p>The State Lands Commission issued the LCWA a lease agreement for four parcels approximately totaling four acres adjacent to the Los Cerritos Wetlands Authority Hellman/Phase 2 in the City of Seal Beach.</p>	<p>Staff coordinates with SLC office for ongoing repairs of fence property and continues to stage the Los Cerritos Wetlands Stewardship Program from this site.</p>
<p>City of Long Beach Marketplace Marsh License Agreement for Los Angeles County APN 7237-020-21</p> <p>June 7, 2010 through June 30, 2025</p>	<p>The property is approximately 29.38-acres south of 2nd Street. The license agreement to allows LCWA access and tours of the wetlands at this site.</p>	<p>On August 18, 2020, Long Beach City council approved an extension of this license agreement. The license agreement is valid through June 30, 2025.</p>

Task	Description	Status
<b>Grants – COMPLETED</b>		
A total of 15 grants have been completed by the LCWA and LCWLT as of November 2018	A total of \$7,477,900 grant funds has been acquired and applied towards acquisition, restoration studies, restoration projects, and education programs.	
<b>Grants – ACTIVE</b>		
<p>California Department of Fish and Wildlife Proposition 1</p> <p>Southern Los Cerritos Wetlands Restoration Grant</p> <p><b><u>Active</u></b></p>	<p>Grant funds to complete 65% designs, environmental compliance, permitting, and outreach for the 105-acre Southern Los Cerritos Wetlands.</p> <p>Performance Period September 23, 2020 through July 31, 2023</p> <p>Total Funding \$405,828.00 Funding Remaining: \$294,585.22</p>	<p>The LCWA was successfully awarded the grant funds for the Southern Los Cerritos Wetlands Restoration Project. Implementation of the project has commenced.</p> <p>See Southern Los Cerritos Wetlands Restoration Project under Capital Projects &amp; Initiatives for updates.</p>
<p>State Coastal Conservancy Once Through Cooling Mitigation Funds</p> <p>Los Cerritos Wetlands Southern Area Planning</p> <p><b><u>Active</u></b></p>	<p>Grant funds to complete 65% designs, environmental compliance, permitting, and outreach for the 105-acre Southern Los Cerritos Wetlands.</p> <p>Performance Period December 28, 2020 through December 31, 2024</p> <p>Total Funding \$250,000.00 Funding Remaining: \$216,148.26</p>	<p>The LCWA was successfully awarded the grant funds for the Southern Los Cerritos Wetlands Restoration Project. Implementation of the project has commenced.</p> <p>See Southern Los Cerritos Wetlands Restoration Project under Capital Projects &amp; Initiatives for updates.</p>
<p>San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy Grant State Coastal Conservancy Proposition 68</p> <p>LCW Southern Area Restoration Planning Project</p> <p><b><u>Active</u></b></p>	<p>Grant funds to complete 65% designs, environmental compliance, permitting, and outreach for the 105-acre Southern Los Cerritos Wetlands.</p> <p>Performance Period May 17, 2021 through June 30, 2023</p> <p>Total Funding \$250,000.00 Funding Remaining: \$249,464.01</p>	<p>The LCWA was successfully awarded the grant funds for the Southern Los Cerritos Wetlands Restoration Project. Implementation of the project has commenced.</p> <p>See Southern Los Cerritos Wetlands Restoration Project under Capital Projects &amp; Initiatives for updates.</p>

Regional Parks and Open Space District Measure A Maintenance and Servicing Funds  Zedler Marsh Urban Trails System Maintenance and Servicing  <u><b>Active</b></u>	Grant funds to maintain Proposition A funded development of new trails, landscaping, signage, and native plant nursery.  Performance Period November 1, 2020 – October 31, 2021  Total Funding \$66,474.21 Funding Remaining \$18,711.01	The annual allocation for maintenance and servicing funds for maintenance of the Zedler Marsh Trail System was approved by the RPOSD. Implementation of the project has commenced. The budget will need to be renewed annually and may vary based on taxes collected each year.
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Task	Description	Status
<b>Consultant Contracts - ACTIVE</b>		
LCWA 19501 Los Cerritos Wetlands Stewards Homeless Liaison Contract Amended  <u><b>Active</b></u>	The Los Cerritos Wetlands Stewards and the LCWA have a mutual interest in the implementation of the Stewardship Program which will promote and provide leadership in conservation for educating members as well as the community to further the appreciation of the wetlands' habitat conservation.	The contract addresses the safety and security of the LCWA properties and meets the LCWA goals and objectives. Currently the Los Cerritos Wetlands Stewards are coordinating any removal of homeless encampments at several locations within the LCWA properties.  The contract with LCWS was renewed on May 2, 2019 (LCWA Resolution 2019 – 07) for three years until May 2, 2022, with the option of 2 one-year extensions.
LCWA 19502 Moffat & Nicole Mitigation Bank Technical Review  <u><b>Active</b></u>	The LCWA is currently working with BOMP on the formation of the Upper Los Cerritos Wetlands Mitigation Bank. Additional technical services were needed to review the mitigation bank.	A contract was approved at the August 1, 2019 Board meeting (LCWA Resolution 2019 – 11) for an amount not to exceed \$10,000.
LCWA 19503 RWG Law Mitigation Bank Legal Services  <u><b>Active</b></u>	The LCWA is currently working with BOMP on the formation of the Upper Los Cerritos Wetlands Mitigation Bank. Additional legal services were needed to review the mitigation and associated documents.	A contract was approved at the August 1, 2019 Board meeting (LCWA Resolution 2019 – 11) for services rendered based on a fee schedule.

<p>LCWA 19504 RWG Law Puvunga Wetlands Protectors v. California Coastal Commission, et al Legal Services</p> <p><b><u>Active</u></b></p>	<p>The LCWA has been named as a real party in interest on the matter of Puvunga Wetlands Protectors v. California Coastal Commission, et al, Los Angeles Superior Court Case No. 19STCP00435. This lawsuit challenges a coastal development permit issued by the California Coastal Commission, which relates to the Land Swap Option Agreement (Option Agreement) entered into on September 2, 2016 with Los Cerritos Wetlands, LLC (the LLC). Thus, LCWA must retain outside counsel to represent it in this litigation.</p>	<p>A contract was ratified at the August 1, 2019 Board meeting (LCWA Resolution 2019 – 10) for services rendered based on a fee schedule.</p>
<p>LCWA 20502 Tidal Influence Land Management Services</p> <p><b><u>Active</u></b></p>	<p>Due to limited staff availability, the LCWA has contracted for Land Management, Contract and Grant Management, and Coordination and Implementation of the Los Cerritos Wetlands Stewardship Program and Restoration Plans within the Los Cerritos Wetlands Complex.</p>	<p>A contract was approved at the September 24, 2020 Board meeting (LCWA Resolution 2020 – 03).</p> <p>Compensation for this scope of work are:</p> <ol style="list-style-type: none"> <li>1. Land management: \$1,000 per month</li> <li>2. Stewardship Program implementation: \$1,000 per month</li> <li>3. Contract and Grant Management: scope and costs will be billed according to various contract/grant agreements, and costs will not exceed the agreed upon budget.</li> <li>4. Implementation of the Los Cerritos Wetlands Restoration Plan: costs to be billed according to the contractor's fee schedule, with an annual not to exceed total of \$44,400.</li> <li>5. Additional as needed services will be negotiated and billed according to the contractor's fee schedule.</li> </ol>
<p>LCWA 20503 Moffatt and Nichol Restoration Design Services</p> <p><b><u>Active</u></b></p>	<p>Consultant services were needed to work closely with the LCWA project team to complete necessary technical studies and produce the 65% design plans, environmental review documentation, and permit applications for the 105-acre Southern Los Cerritos Wetlands Restoration Project</p>	<p>A contract was approved at the January 7, 2021 Board Meeting (LCWA Resolution 2021-07) for a total not to exceed amount of \$740,000.</p>

Memorandum of Understanding/Agreements		
<p>LCWA08008 Signal Hill Petroleum, Inc. Coastal Development Permit for Vegetation Removal</p> <p>LCWA Phase 1 Properties</p> <p><b><u>Active</u></b></p>	<p>Signal Hill Petroleum, Inc. conducts the following activities (1) removing vegetation, debris and soil from the storm water collection and retention system, (2) controlling vegetation surrounding all oil pumps, electrical poles, and pipelines, and (3) removing vegetation surrounding all oil production facilities and buildings.</p> <p>Performance Period February 1, 2020 through January 31, 2022</p> <p>Total Funding: \$20,000 Remaining Funding: \$20,000</p>	<p>Tidal Influence was contracted to manage MOA.</p> <p>Signal Hill Petroleum, Inc. annually provides \$10,000 to offset their impacts from proposed work. The 2020-2021 spending plan was approved and is currently being implemented.</p>
<p>City of Seal Beach Waterline Relining Project</p> <p><b><u>Active</u></b></p>	<p>The City of Seal Beach (City) is proposing to reline a City waterline that runs parallel to First Street within the City's easement on LCWA property to temporarily address issues of recent waterline breakages. The City would need to access LCWA's property beyond the easement for biological and geotechnical surveys, and potentially during construction. The MOU establishes an agreement between the City and LCWA to coordinate on the relining effort and any overlaps with LCWA's wetlands restoration planning, as well as liabilities for activities on the property.</p>	<p>The City would also reimburse LCWA for costs associated with coordinating and monitoring the project, up to \$1,910 per week, through LCWA's land management contract with Tidal Influence.</p>

<b>LCW Stewardship Program</b>		
<b>Task</b>	<b>Description</b>	<b>Status</b>
<b>Potential Funding Sources</b>		
City of Long Beach Measure A, Public Safety, Infrastructure Repair and Neighborhood Services Measure	The City of Long Beach established a one percent (1%) transactions and use (sales) tax for six years, generating approximately \$48 million annually, declining to one-half percent for four years and then ending, requiring a citizens' advisory committee and independent audits, with all funds remaining in Long Beach.	The City of Long Beach allocated an estimated \$500,000 for restoration work for the Los Cerritos Wetlands. The status of the funding is pending.
Los Angeles County: Safe, Clean Neighborhood Parks, Open Space, Beaches, Rivers Protection, and Water Conservation Measure Section 6(e); subsection 2(A) Supervisor Janice Hahn, Fourth District	To replace expiring local funding for safe, clean neighborhood/city/county parks; increase safe playgrounds, reduce gang activity; keep neighborhood recreation/senior centers, drinking water safe; protect beaches, rivers, water resources, remaining natural areas/open space; 1.5 cents will be levied annually per square foot of improved property in Los Angeles County, with bond authority, requiring citizen oversight, independent audits, and funds used locally.	Up to fifteen percent (15%) shall be set aside and designated as the maintenance and servicing amount, and shall be used only to maintain and service, including resource protection activities for the capital outlay projects funded by the District... ...The maintenance and servicing amount shall be allocated each year as follows: ...point five percent (0.5%) to the Los Cerritos Wetlands Authority...
<b>Education Programs</b>		
Public Access Improvement and Wetlands Restoration	Restoration and enhancement of existing wetlands function is one of the primary objectives of the LCWA. Public access for wildlife viewing and enjoyment may involve site improvements.	LCWA has successfully partnered with Los Cerritos Wetlands Land Trust (LCWLT), who have sponsored guided nature walks in Los Cerritos Wetlands as well as secured funding to support Los Cerritos Wetlands Stewardship Program events.



Task	Description	Status
<b>Capital Projects &amp; Initiatives</b>		
<p>County of Orange, OC Public Works Contract (MA-080-15010071)</p> <p><b><u>Completed</u></b></p>	<p>Orange County Public Works entered into contract with LCWA to provide wetland restoration services and supplies including five years of monitoring reports from the LCWA's Stewardship Program</p> <p>Performance Period October 28, 2019 through October 27, 2020</p> <p>Total Funding: \$20,660.00 Funding Remaining: \$0</p>	<p>Tidal Influence was contracted to manage and implement the project. Planting and site maintenance regularly occur on the Orange County mitigation site, and staff continue to monitor the progress on the project.</p> <p>A Year 6 Monitoring Report was prepared, coordination with agencies has occurred, and Coastal Commission has signed off on this mitigation project. All special conditions have been met. Additional maintenance of the site is currently being negotiated with OC.</p>
<p>Tarplant Mitigation Project - Ascon</p> <p><b><u>Active</u></b></p>	<p>The LCWA entered into a Memorandum of Agreement with Ascon to accept mitigation funds for the Southern Tarplant Mitigation Plan for a five-year mitigation plan to grow and monitor Southern Tarplant at Zedler Marsh</p> <p>Performance Period November 3, 2016 through November 1, 2021</p> <p>Year 4 Funding: \$60,110 Year 4 Remaining Funding: \$5,941.31 as of July 31, 2020</p>	<p>Tidal Influence was contracted to manage and implement this project, seeding, and monitoring plan at Zedler Marsh. Staff continues to monitor the progress on the project.</p> <p>Regular watering and invasive species control are currently conducted on site. The site has not successfully reach its goal of sustaining more than 189,774 individuals for two consecutive years. Annual monitoring will be conducted in the upcoming months.</p> <p>An endowment for this site is currently being worked on for long term care.</p>
<b>Grants – COMPLETED</b>		
<p>A total of 12 grants completed by the LCWA and LCWLT</p>	<p>A total of \$6,228,400 grant funds was acquired and used towards acquisition, restoration studies, restoration projects, and education programs.</p>	<p>See <a href="#">link</a> for details on all completed grants.</p>

Task	Description	Status
<b>Grants – ACTIVE</b>		
<p>The Orange County Community Fund</p> <p>Warne Family Endowment Fund for Endangered Species Protection Grant</p> <p><b><u>Active</u></b></p>	<p>The LCWLT applied for the Warne Foundation Grant Program to fund Belding's Savannah Surveys at Los Cerritos Wetlands. This is a competitive grant that needs to be reapplied to annually.</p>	<p>Belding's Savannah Sparrow (BSS) surveys were conducted during breeding and nesting season to determine breeding territories for pairs of Belding's. Least Bell's Vireo (LBV) surveys began to determine potential nesting areas. Surveys were completed along with restoration of BSS and LBV habitat outside of nesting season.</p> <p>This grant was first awarded to the LCWLT on January 1, 2017, and then reapplied for and approved for a fifth year of monitoring and restoration efforts for 2021.</p>

<b>Memorandum of Understanding/Agreements</b>		
<p>Signal Hill Petroleum, Inc. (SHPI) Memorandum of Agreement</p> <p><b><u>Active</u></b></p>	<p>The LCWA entered into a Memorandum of Agreement with SHPI to use specific areas within the SHPI current exclusive easement for growth of Southern Tarplant under the Southern Tarplant Mitigation Plan.</p> <p>Performance Period February 3, 2017 through perpetuity</p>	<p>The LCWA will have access to these specific areas within the SHPI exclusive easement into perpetuity.</p>
<p>LCWA13001 Aquarium of the Pacific Memorandum of Agreement</p> <p><b><u>Active</u></b></p>	<p>The LCWA entered into a Memorandum of Agreement in order to provide a citizen science sea turtle monitoring program for the general public.</p>	<p>For updates on the citizen science sea turtle monitoring program, please visit <a href="http://www.aquariumofpacific.org/give/member-ship/seaturtles">http://www.aquariumofpacific.org/give/member-ship/seaturtles</a></p> <p>A long term agreement was approved by the LCWA Board on July 1, 2021.</p>
<p>LCWA13000 Los Cerritos Wetlands Land Trust Memorandum of Agreement</p> <p><b><u>Active</u></b></p>	<p>The LCWA entered into a MOA with the Los Cerritos Wetlands Land Trust for stewardship services of the Los Cerritos Wetlands Stewardship Program</p>	<p>Please see the attached Los Cerritos Wetlands Stewardship Program Summary Report.</p> <p>A long term agreement was approved by the LCWA Board on July 1, 2021.</p>

Task	Description	Status
<b>Memorandum of Understanding/Agreements</b>		
Memorandum of Agreement with the El Dorado Audubon  <u><b>Active</b></u>	El Dorado Audubon is working with the LCWA to develop bird walks at LCWA Phase 2 properties.	Please see the attached El Dorado Audubon Society report for a summary of the Los Cerritos Wetlands Nature/Bird Walks. For more information, please visit <a href="http://eldoradoaudubon.org/">http://eldoradoaudubon.org/</a>  A long term agreement was approved by the LCWA Board on July 1, 2021.
Sea and Sage Monthly Bird Counts	Darrell Wilson conducts bird counts using a research permit on the Hellman Properties.	Bird counts from monthly surveys are summarized in reports submitted to LCW Ebird account.



## Field Report Memorandum

**To:** Sally Gee, LCWA

**From:** Jesse Aragon, Tidal Influence, LLC

**Cc:** Eric Zahn, Marcelo Ceballos, Tidal Influence, Salian Garcia, Mark Stanley

**Date:** September 27th, 2021

**Subject:** Land Management Field Report

Sites Inspected: Zedler Marsh, Bryant Lease West, Hellman/Gum Grove, State Lands Parcel, & OTD Parcel

Inspection Date: August 30<sup>th</sup>, 2021

*Note: The locations of critical observations and issues noted in this document are called out on the map on the final page. Photos of certain issues/observations are attached at the end of the report.*

### OTD Parcel

---

1. Gates
  - a. Upon inspection LCWA's gate lock was missing. Tidal Influence staff inquired with lessee who informed us of a break in attempt in which the chain was cut with lock still attached. Lessee replaced the cut chain and held onto LCWA's lock for Tidal Influence staff to replace.
2. Trails – OK
3. Fences – OK
4. Homeless – OK

### Zedler Marsh

---

5. Gates – OK
6. Trails – OK
7. Fences – OK
8. Homeless – OK

### State Lands Parcel

---

9. Gates – OK
10. Trails – OK
11. Fences - OK
12. Homeless - OK

### Hellman

---

13. Gates – OK
14. Trails – OK
15. Fences – OK

16. Homeless – OK

17. Other – OK

## Bryant Lease West

---

18. Gates –

a. Levee gates found open. (See Photo)

**We recommend LCWA staff meet with LA County to determine a new approach to secure this property. We recommend adjusting the fence line location to provide a thoroughfare along the levee path.**

19. Trails – OK

20. Fence

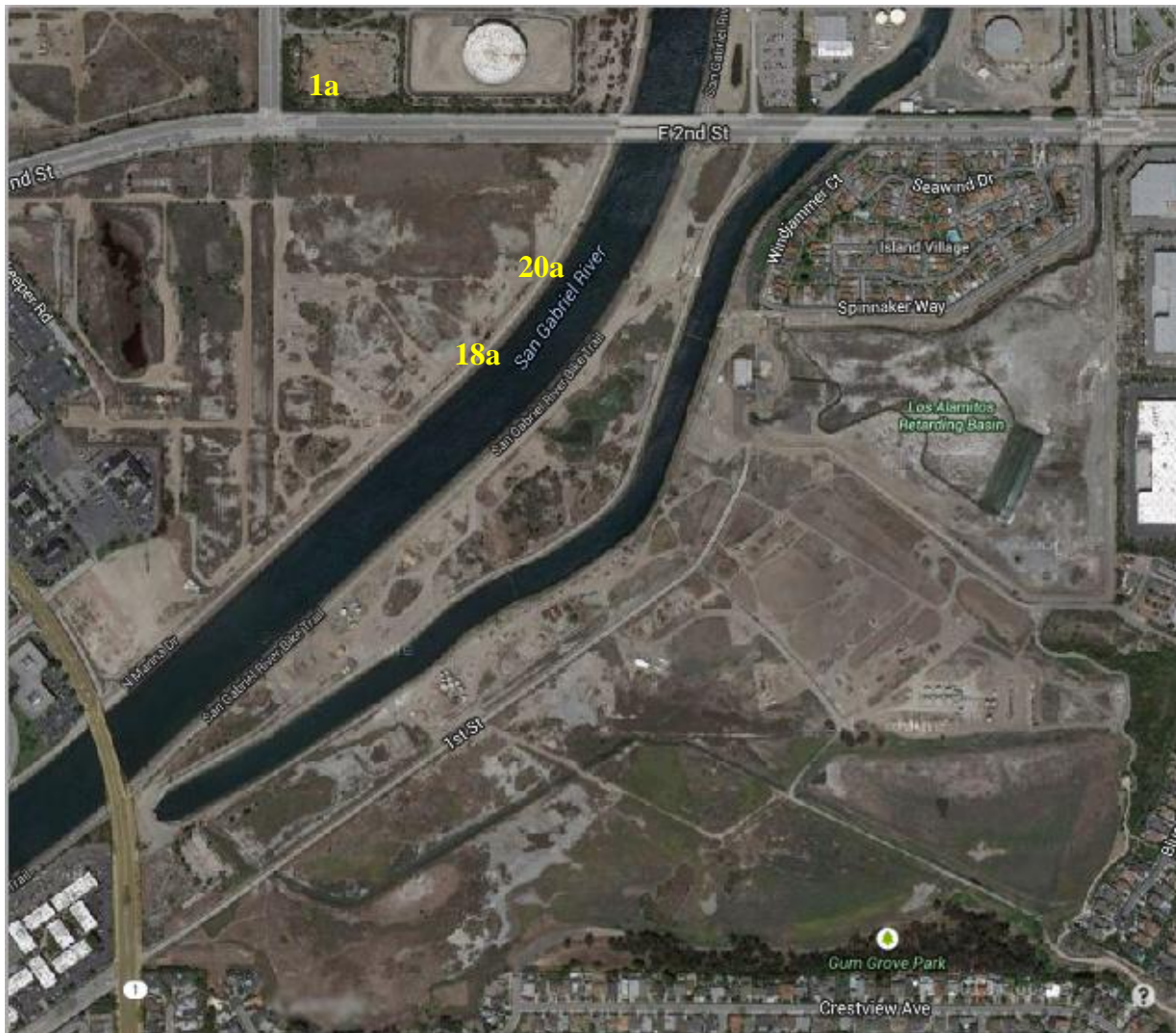
a. Tidal Influence staff conducted fence repairs in two locations along the eastern fence line. Upon the next site visit the repaired portion of the fence line was again seen breached. (See Photos)

**Tidal Influence staff will continue to monitor the condition of the fence line and conduct repairs in the coming months.**

21. Homeless – OK

## Map

The photos of the issues and observations detailed above are labeled by number. The number on the map below indicates the location of these issues and observations.





# Bryant Lease West



Repaired Eastern fence line breached





# Bryant Lease West



Levee gates open





## Field Report Memorandum

**To:** Sally Gee, LCWA

**From:** Jesse Aragon, Tidal Influence, LLC

**Cc:** Eric Zahn, Marcelo Ceballos, Tidal Influence, Salian Garcia, Mark Stanley

**Date:** October 18<sup>th</sup>, 2021

**Subject:** Land Management Field Report

Sites Inspected: Zedler Marsh, Bryant Lease West, Hellman/Gum Grove, State Lands Parcel, & OTD Parcel

Inspection Date: September 28<sup>th</sup>, 2021

*Note: The locations of critical observations and issues noted in this document are called out on the map on the final page. Photos of certain issues/observations are attached at the end of the report.*

### OTD Parcel

---

1. Gates – OK
2. Trails –
  - a. Vegetation has begun encroaching into adjacent bike lane and trash is accumulating around the property.  
**Los Cerritos Wetlands Stewards are coordinating a community clean up event to remediate site issues.**
3. Fences – OK
4. Homeless – OK

### Zedler Marsh

---

5. Gates – OK
6. Trails – OK
7. Fences –
  - a. Two fence breaches occurred along the western fence line near the river trail access gate. Tidal Influence staff has conducted repairs to the breached fence line and will continue to monitor it's condition.
8. Homeless – OK

### State Lands Parcel

---

9. Gates – OK
10. Trails – OK
11. Fences - OK
12. Homeless - OK

## Hellman

---

13. Gates –

- a. No trespassing on the back trail access gate and along Heron Point trail fence line graffitied

**Tidal Influence staff will work to remove the graffiti in the coming months.**

14. Trails – OK

15. Fences –

- a. A fence line breach obstructed by palm fronds was discovered near the Gum Grove parking lot.

**Tidal Influence staff will continue to monitor the fence lines condition and conduct repairs in the coming months.**

16. Homeless – OK

17. Other – OK

## Bryant Lease West

---

18. Gates –

- a. Levee gates found open. (See Photo)

**We recommend LCWA staff meet with LA County to determine a new approach to secure this property. We recommend adjusting the fence line location to provide a thoroughfare along the levee path.**

19. Trails – OK

20. Fence

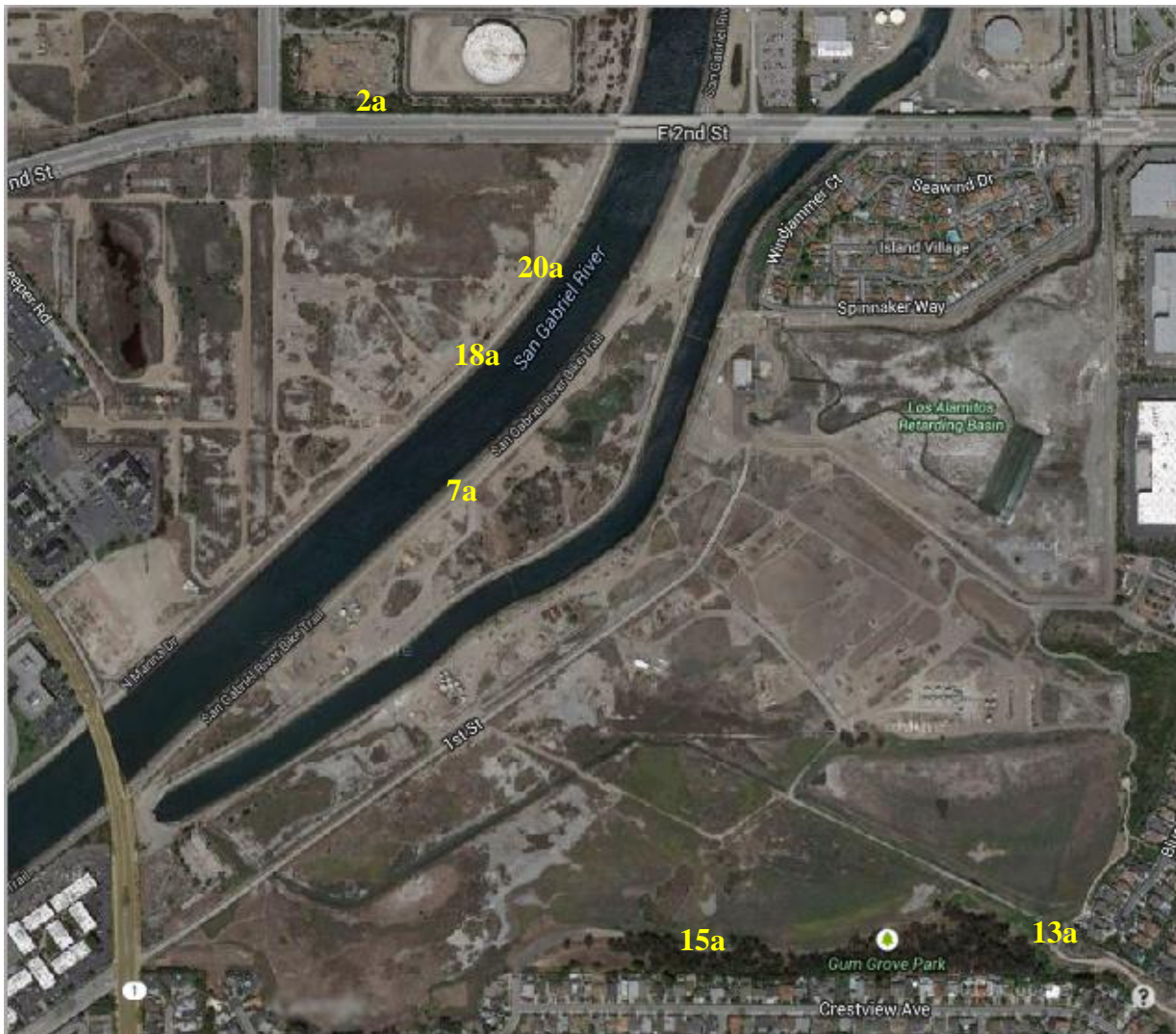
- a. Tidal Influence staff conducted fence repairs in two locations along the eastern fence line. Upon the next site visit the repaired portion of the fence line was again seen breached. (See Photos)

**Tidal Influence staff will continue to monitor the condition of the fence line and conduct repairs in the coming months.**

21. Homeless – OK

## Map

The photos of the issues and observations detailed above are labeled by number. The number on the map below indicates the location of these issues and observations.

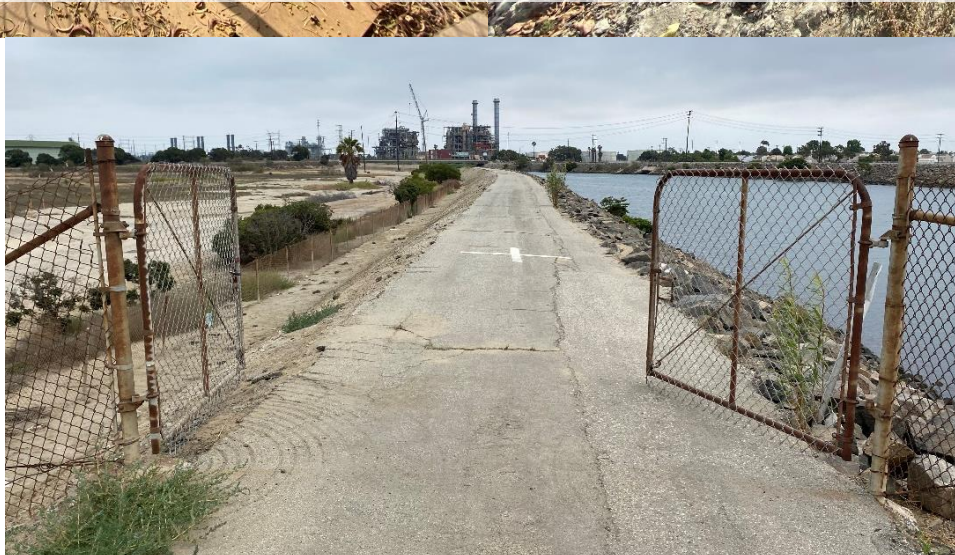




# Bryant Lease West



Eastern fence line breached



Levee gates open



# OTD



Roadside vegetation encroaching bike trail



Trash accumulating on property perimeter



# Zedler Marsh



Western fence line breach repaired





# Hellman



Graffiti on No Trespassing Signage



Gum Grove fence line breach



## El Dorado Audubon -- Los Cerritos Wetlands Authority Walks

July through September 11, 2021

---

### El Dorado Audubon Bird/Nature Walks

We enjoyed observing avian species and native (and non-native) plants and butterflies on our walks on the Los Cerritos Wetlands!

Los Cerritos Wetlands Hellman property, Orange, California, US

Jul 10, 2021 8:00 AM - 10:00 AM

20 species (+2 other taxa)





Killdeer 7  
Lesser Yellowlegs 1  
gull sp. 15  
Forster's Tern 2  
Great Blue Heron 3  
Great Egret 2  
Snowy Egret 3  
Turkey Vulture 1  
Osprey 1  
Red-tailed Hawk 2  
American Kestrel 2  
Black Phoebe 3  
Cassin's Kingbird 2  
American Crow 5  
Northern Rough-winged Swallow 7  
Barn Swallow 15  
swallow sp. 30  
Bushtit 25  
House Wren 2  
European Starling 5  
Northern Mockingbird 3  
House Finch 35

Los Cerritos Wetlands Hellman property, Orange, California, US  
Jul 28, 2021 8:00 AM - 10:00 AM  
16 species (+2 other taxa)

Mourning Dove 5  
Allen's Hummingbird 3  
hummingbird sp. 2  
Killdeer 2  
Double-crested Cormorant 5  
Great Blue Heron 2  
Great Egret 2  
Snowy Egret 3  
Turkey Vulture 1  
Osprey 1  
Cooper's Hawk 1  
Red-tailed Hawk (calurus/alascensis) 2  
Bushtit 15

House Wren 3  
Northern Mockingbird 3  
House Finch 75  
Acanthis/Spinus sp. 3  
Common Yellowthroat 2

Los Cerritos Wetlands Hellman property, Orange, California, US  
Aug 14, 2021 8:00 AM - 10:00 AM  
23 species (+2 other taxa)

Rock Pigeon (Feral Pigeon) 2  
Eurasian Collared-Dove 1  
Mourning Dove 12  
Allen's Hummingbird 2  
hummingbird sp. 1  
Killdeer 3  
Western Gull 3  
gull sp. 15  
Double-crested Cormorant 5  
Great Blue Heron 4  
Great Egret 1  
Snowy Egret 1  
Turkey Vulture 1  
Red-tailed Hawk 2  
American Kestrel 2  
Cassin's Kingbird 2  
Northern Rough-winged Swallow 3  
Barn Swallow 45  
Bushtit 21  
House Wren 1  
Northern Mockingbird 1  
House Finch 50  
Lesser Goldfinch 2  
Hooded Oriole 1  
Common Yellowthroat 3

Los Cerritos Wetlands Hellman property, Orange, California, US

Aug 28, 2021 8:00 AM - 11:00 AM

Checklist Comments: El Dorado Audubon

*White-tailed Kite observed for the first time in a long time*

17 species (+3 other taxa)



*Overcast Morning*



*Late summer  
conditions*

Mourning Dove 8  
hummingbird sp. 2  
Killdeer 3  
Long-billed Curlew 1  
Western Sandpiper 1  
shorebird sp. 5  
gull sp. 1  
Double-crested Cormorant 1  
Great Egret 2  
Turkey Vulture 1  
Osprey 2  
White-tailed Kite 1  
Northern Harrier 0  
Cooper's Hawk 1  
Belted Kingfisher 1  
American Kestrel 2  
Black Phoebe 1  
Bushtit 7  
House Wren 3  
House Finch 25  
Common Yellowthroat 1

Los Cerritos Wetlands Hellman property, Orange, California, US

Sep 11, 2021 8:00 AM - 10:00 AM

Checklist Comments: This was a good day to bird. We observed a possible Least Sandpiper and a Sanderling  
13 species (+3 other taxa)

Mourning Dove 75  
Anna's Hummingbird 1  
hummingbird sp. 4  
Killdeer 10  
Greater Yellowlegs 1  
Turkey Vulture 2  
White-tailed Kite 1  
Northern Harrier 3  
Red-tailed Hawk 2  
Bushtit 25  
House Wren 3  
Northern Mockingbird 2

House Finch 27

Acanthis/Spinus sp. 1

Savannah Sparrow 1

Savannah Sparrow (Belding's) 3

Photo Credits El Dorado Audubon

**Los Cerritos Wetlands Authority**

**Date:** November 4, 2021  
**To:** Governing Board Members  
**From:** Salian Garcia, Fiscal Manager  
**Through:** Mark Stanley, Executive Officer  
**Subject:** Item 6e: Receive and File Expenditure Report

---

Attached as Exhibit A is the FY 2020/2021 Budget with balances as of October 31, 2021. Though the FY 2021 ended on September 30, 2021, the Authority continues to accrue revenues and expenditures. Attached as Exhibit B is the FY 2021/2022 Budget with balances as of October 31, 2021.

**Key elements of the Expenditure Report for FY 2020/2021 (Exhibit A) are summarized below:**

- Other-Miscellaneous Revenue line item is higher than budget projections due to receipt of reimbursements for legal services invoices, late fees collected on lease payments, and payment from the Department of Transportation for the TIP easement.
- Overall Grants and Special Projects Revenue are slightly lower than budget projections as current health mandates deterred project management and operational tasks as well as the loss of an acquisition. Subsequently, Operational and Capital Outlay expenses are below budget projections.
- Capital Outlay Expense is minimal as most grant agreements and contracts became active within the last six months. The Authority expects grant and contract activity to become more vigorous in Fiscal Year 2021/2022.
- Staff is awaiting reimbursement from several grants and contracts. The revenue will be reflected when submitted costs expended under the grant has been approved for reimbursement and the reimbursement is received.

**The Expenditure Report for FY 2021/2022 (Exhibit B) is summarized below:**

- As the Authority is one month into the current fiscal year, activity with consultant professional services of the BOMP and property management have been minimal.
- Revenue is also minimal as the Authority's primary receipt of revenue are from its OTD Parcel tenants and annual JPA contributions.
- Administration has no activity. However, several expenditures in this category, such as Audit Services and Insurance, generally do not occur until the second and third quarters of the current fiscal year.

**LOS CERRITOS WETLANDS AUTHORITY**  
**REVENUES AND EXPENDITURES FISCAL YEAR 2020-2021**

	FY 20/21 Budget	As of 10/31/21	Additional Projected through 11/30/21	Projected FYE 20/21	Remaining Budget Balance	Remaining % Budget Balance	Actuals % FY21 Budget Spent
<b>Revenues</b>							
<b>General Administrative &amp; Operating Revenue</b>							
JPA Contributions	40,000	39,500	-	39,500	500	1%	99%
Lease Revenue	70,691	70,720	-	70,720	(29)	0%	100%
Contracts	11,789	495	-	495	11,294	96%	4%
Fees	717	533	-	533	184	26%	74%
Permits	10,000	10,000	-	10,000	-	0%	100%
Other - Local Revenue	65,000	49,557	-	49,557	15,443	24%	76%
<b>Subtotal-General Administrative &amp; Operating</b>	<b>198,197</b>	<b>170,805</b>	<b>-</b>	<b>170,805</b>	<b>27,392</b>	<b>14%</b>	<b>86%</b>
<b>Grants and Special Projects Revenue</b>							
Grant - State Coastal Conservancy	10,652	-	20,831	20,831	(10,179)	-96%	0%
Grant - Rivers & Mountains Conservancy	152,037	204,962	-	204,962	(52,925)	-35%	135%
Grant - Other Federal, State, County & Local Funds	113,371	13,371	-	13,371	100,000	88%	12%
Mitigation Revenue	2,422	-	-	-	2,422	100%	0%
Contracts - Other MOA	-	-	-	-	-	-	-
Other - Donations	-	-	-	-	-	-	-
Other - Miscellaneous	5,000	18,160	-	18,160	(13,160)	-263%	363%
<b>Subtotal-Grants and Special Projects</b>	<b>283,482</b>	<b>236,492</b>	<b>20,831</b>	<b>257,323</b>	<b>26,158</b>	<b>9%</b>	<b>83%</b>
<b>Total Revenue</b>	<b>481,679</b>	<b>407,298</b>	<b>20,831</b>	<b>428,129</b>	<b>53,550</b>	<b>11%</b>	<b>85%</b>
<b>Expenses</b>							
Insurance - D & O Policy	3,043	2,565	-	2,565	478	16%	84%
Audit Services	9,850	9,850	-	9,850	-	0%	100%
Website	1,000	-	-	-	1,000	100%	0%
Miscellaneous Administrative Costs	1,500	-	-	-	1,500	100%	0%
<b>Administration Expense Subtotal</b>	<b>15,393</b>	<b>12,415</b>	<b>-</b>	<b>12,415</b>	<b>2,978</b>	<b>19%</b>	<b>81%</b>
Grant & Land Management - General	19,200	38,990	-	38,990	(19,790)	-103%	203%
Grant Management - Contracted Services	25,000	495	-	495	24,505	98%	2%
Insurance - General Liability/Umbrella	11,751	9,501	-	9,501	2,250	19%	81%
LCWA Measure A - M/O	81,058	61,450	-	61,450	19,608	24%	76%
Security	9,570	6,525	-	6,525	3,045	32%	68%
Signage	3,000	-	-	-	3,000	100%	0%
MOAs	10,000	11,554	-	11,554	(1,554)	-16%	116%
Miscellaneous	2,500	-	-	-	2,500	100%	0%
<b>Operational Expense Subtotal</b>	<b>162,079</b>	<b>128,515</b>	<b>-</b>	<b>128,515</b>	<b>33,564</b>	<b>21%</b>	<b>79%</b>
Consultant Services	51,400	9,542	-	9,542	41,858	81%	19%
Grant - State Coastal Conservancy	-	20,831	-	20,831	(20,831)	-	-
Grant - Rivers & Mountains Conservancy	127,807	84,431	-	84,431	43,376	34%	66%
Grant - Other Federal, State, County & Local Projects	100,000	127,587	-	127,587	(27,587)	-28%	128%
Other - Mitigation Projects	25,000	41,223	-	41,223	(16,223)	-65%	165%
Other - Miscellaneous	-	-	-	-	-	-	-
<b>Capital Outlay Expense Subtotal</b>	<b>304,207</b>	<b>283,613</b>	<b>-</b>	<b>283,613</b>	<b>20,594</b>	<b>7%</b>	<b>93%</b>
<b>Total Expense</b>	<b>481,679</b>	<b>424,544</b>	<b>-</b>	<b>424,544</b>	<b>57,135</b>	<b>12%</b>	<b>88%</b>
<b>Ending Net Position</b>	<b>-</b>	<b>(17,246)</b>	<b>20,831</b>	<b>3,585</b>	<b>17,246</b>		

**LOS CERRITOS WETLANDS AUTHORITY**  
**REVENUES AND EXPENDITURES FISCAL YEAR 2021-2022**

	FY 21/22 Budget	As of 10/31/21	Remaining Budget Balance	Remaining % Budget Balance	Actuals % FY21 Budget Spent
<b>Revenues</b>					
<b>General Administrative &amp; Operating Revenue</b>					
JPA Contributions	40,000	-	40,000	100%	0%
Lease Revenue	72,723	1,061	71,663	99%	1%
Contracts	-	-	-		
Fees	2,500	-	2,500	100%	0%
Permits	10,000	-	10,000	100%	0%
Other - Local Revenue	-	-	-		
<b>Subtotal-General Administrative &amp; Operating</b>	<b>125,223</b>	<b>1,061</b>	<b>124,163</b>	<b>99%</b>	<b>1%</b>
<b>Grants and Special Projects Revenue</b>					
Grant - State Coastal Conservancy	45,230	-	45,230	100%	0%
Grant - Rivers & Mountains Conservancy	45,212	-	45,212	100%	0%
Grant - Other Federal, State, County & Local Funds	174,550	-	174,550	100%	0%
Mitigation Revenue	20,000	-	20,000	100%	0%
Contracts - Other MOA	-	-	-		
Other - Donations	-	-	-		
Other - Miscellaneous	10,000	-	10,000	100%	0%
<b>Subtotal-Grants and Special Projects</b>	<b>294,992</b>	<b>-</b>	<b>294,992</b>	<b>100%</b>	<b>0%</b>
<b>Total Revenue</b>	<b>420,215</b>	<b>1,061</b>	<b>419,155</b>	<b>100%</b>	<b>0%</b>
<b>Expenses</b>					
Insurance - D & O Policy	3,307	-	3,307	100%	0%
Audit Services	10,100	-	10,100	100%	0%
Website	500	-	500	100%	0%
Miscellaneous Administrative Costs	500	-	500	100%	0%
<b>Administration Expense Subtotal</b>	<b>14,407</b>	<b>-</b>	<b>14,407</b>	<b>100%</b>	<b>0%</b>
Grant & Land Management - General	42,000	-	42,000	100%	0%
Grant Management - Contracted Services	-	-	-		
Insurance - General Liability/Umbrella	10,208	-	10,208	100%	0%
LCWA Measure A - M/O	16,000	-	16,000	100%	0%
Stewardship Program	12,000	-	12,000	100%	
Security	11,600	-	11,600	100%	0%
Signage	2,000	-	2,000	100%	0%
MOAs	10,000	-	10,000	100%	0%
Miscellaneous	2,000	-	2,000	100%	0%
<b>Operational Expense Subtotal</b>	<b>105,808</b>	<b>-</b>	<b>105,808</b>	<b>100%</b>	<b>0%</b>
Consultant Services	25,000	-	25,000	100%	0%
Grant - State Coastal Conservancy	40,000	-	40,000	100%	0%
Grant - Rivers & Mountains Conservancy	40,000	-	40,000	100%	0%
Grant - Other Federal, State, County & Local Projects	120,000	-	120,000	100%	0%
Other - Mitigation Projects	75,000	-	75,000	100%	0%
Other - Miscellaneous	-	-	-		
<b>Capital Outlay Expense Subtotal</b>	<b>300,000</b>	<b>-</b>	<b>300,000</b>	<b>100%</b>	<b>0%</b>
<b>Total Expense</b>	<b>420,215</b>	<b>-</b>	<b>420,215</b>	<b>100%</b>	<b>0%</b>
<b>Ending Net Position</b>	<b>-</b>	<b>1,061</b>	<b>(1,061)</b>		



**Los Cerritos Wetlands Authority**

**Date:** November 4, 2021

**To:** Governing Board Members

**From:** Sally Gee, Project Analyst

**Through:** Mark Stanley, Executive Officer

**Subject:** Item 7: Consideration of a resolution authorizing the Executive Officer to execute documents necessary to satisfy conditions in the Notice of Intent to Issue Permit for Coastal Development Permit No. 9-18-0395

---

**RECOMMENDATION:** That the Los Cerritos Wetlands Authority (LCWA) authorize the Executive Officer to execute documents reasonably necessary to satisfy conditions in the Notice of Intent to Issue Permit for Coastal Development Permit No. 9-18-0395.

**PROJECT DESCRIPTION:** On December 13, 2018, the California Coastal Commission approved Coastal Development Permit (CDP) No. 9-18-0395 for the Los Cerritos Wetlands Oil Consolidation and Restoration Project with 25 Special Conditions. As the Co-applicant with Beach Oil Mineral Partners (BOMP), LCWA review and approval is needed to satisfy some conditions in the Notice of Intent to Issue Permit (NOI) (Exhibit A), for example Condition No. 7. addressing deed restrictions. This resolution would authorize the Executive Officer to execute documents reasonably necessary to satisfy conditions in the NOI and the CDP. The current deadline to satisfy “prior to issuance” Special Conditions of the CDP is December 13, 2021. BOMP has a submitted a majority of the documents for CCC review, with some outstanding items. An extension of the NOI may be needed.

**BACKGROUND:** In September 2016, the LCWA entered into an Option Agreement with Los Cerritos Wetlands, LLC (Synergy Oil and Gas), to exchange the LCWA’s 5-acre OTD parcel for the roughly 154-acre Synergy Oil Field, for wetlands habitat restoration, public access improvements, and phase out of oil operations. Synergy Oil and Gas and Lyon Living formed an LLP called Beach Oil Mineral Partners responsible for the processing entitlements for the larger Los Cerritos Wetlands Oil Consolidation and Restoration Project. The project will transition existing oil operations out of a 106-acre area of the wetlands complex and consolidate operations onto 12 acres of disturbed non-wetland sites to allow for wetlands restoration. CDP No. 9-18-0395 was jointly applied for by BOMP and LCWA. The CDP approved development of new oil production and wetlands restoration including 1) construction and operation of two consolidated oil production facilities on the Pumpkin Patch and LCWA OTD sites, 2) construction of a 2,200ft above ground oil pipeline, 3) Decommissioning and cleanup of existing oil facilities on the Synergy Oil Field and Long Beach Marketplace Marsh sites over a 20 year period, 4) conversion of an existing office building into a Visitor Center, and 5) implementation of a wetlands restoration project as part of a 68-acre mitigation bank on the northern portion of the Synergy Oil Field site.

**FISCAL INFORMATION:** Funding will be allocated from the Option Agreement; dated September 2, 2016, Item 12. Consideration: in the amount of \$300,000, for legal and technical review services related to the CDP.

**CALIFORNIA COASTAL COMMISSION**

ENERGY, OCEAN RESOURCES AND FEDERAL CONSISTENCY DIVISION  
45 FREMONT STREET  
SUITE 2000  
PH (415) 904-5200 FAX (415) 904-5400  
WWW.COASTAL.CA.GOV

**RECEIVED**

JAN 18 2019

LOS CERRITOS  
WETLANDS AUTHORITY

Page 1

January 2, 2019

Permit Application No.: 9-18-0395

**NOTICE OF INTENT TO ISSUE PERMIT**

(Upon satisfaction of special conditions)

THE SOLE PURPOSE OF THIS NOTICE IS TO INFORM THE APPLICANT OF THE STEPS NECESSARY TO OBTAIN A VALID AND EFFECTIVE COASTAL DEVELOPMENT PERMIT ("CDP"). A Coastal Development Permit for the development described below has been approved but is not yet effective. Development on the site cannot commence until the CDP is effective. In order for the CDP to be effective, Commission staff must issue the CDP to the applicant, and the applicant must sign and return the CDP. **Commission staff cannot issue the CDP until the applicant has fulfilled each of the "prior to issuance" Special Conditions.** A list of all the Special Conditions for this permit is attached.

The Commission's approval of the CDP is valid for two years from the date of approval. To prevent expiration of the CDP, you must fulfill the "prior to issuance" Special Conditions, obtain and sign the CDP, and commence development within two years of the approval date specified below. You may apply for an extension of the permit pursuant to the Commission's regulations at Cal. Code Regs. title 14, section 13169.

On December 13, 2018, the California Coastal Commission approved Coastal Development Permit No. 9-18-0395 requested by Michael Barmettler, Beach Oil Minerals, and Mark Stanley, Los Cerritos Wetlands Authority, subject to the attached conditions, for development consisting of: New oil production and wetlands restoration project that includes: (1) construction and operation of two oil production facilities, including drilling and operation of up to 120 new wells, (2) construction and operation of 2,200 ft. above-ground oil pipeline, (3) decommissioning of existing oil facilities on two sites, (4) conversion of existing building to Visitor's Center for Los Cerritos Wetlands, (5) implementation of wetlands restoration project as part of mitigation bank on northern portion of existing oil field, more specifically described in the application filed in the Commission offices. **Commission staff will not issue the CDP until the "prior to issuance" special conditions have been satisfied.**

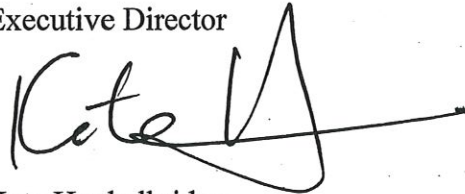
The development is within the coastal zone at four locations within the City of Long Beach, Los Angeles County: (1). Synergy Oil Site, 6433 E. 2nd St.; (2). City site, southeast corner of 2<sup>nd</sup> St. and Shopkeeper Rd.; (3). LCWA site, Northeast corner of 2<sup>nd</sup> St. and Studebaker Rd.; (4). Pumpkin Patch site, 6701 Pacific Coast Highway.

**NOTICE OF INTENT TO ISSUE PERMIT**  
(Upon satisfaction of special conditions)

If you have any questions regarding how to fulfill the "prior to issuance" Special Conditions for CDP No. 9-18-0395, please contact the staff person identified below.

Sincerely,

John Ainsworth  
Executive Director



Kate Huckelbridge  
Senior Environmental Scientist

**ACKNOWLEDGMENT**

The undersigned permittee acknowledges receipt of this Notice and fully understands its contents, including all conditions imposed.

Feb 5, 2019

Date



Permittee

2/13/19

Date



Permittee

Please sign and return one copy of this form to the Commission office at the above address.

**STANDARD CONDITIONS**

- 1. Notice of Receipt and Acknowledgment.** The permit is not valid and development shall not commence until a copy of the permit, signed by the permittee or authorized agent, acknowledging receipt of the permit and acceptance of the terms and conditions, is returned to the Commission office.
- 2. Expiration.** If development has not commenced, then permit will expire three years from the date on which the Commission voted on the application. Development shall be pursued in a diligent manner and completed in a reasonable period of time. Application for extension of the permit must be made prior to the expiration date.

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3. **Interpretation.** Any questions of intent or interpretation of any condition will be resolved by the Executive Director or the Commission.

4. **Assignment.** The permit may be assigned to any qualified person, provided assignee files with the Commission and affidavit accepting all terms and conditions of the permit.

5. **Terms and Conditions Run with the Land.** These terms and conditions shall be perpetual, and it is the intention of the Commission and the permittee to bind all future owners and possessors of the subject property to the terms and conditions.

**SPECIAL CONDITIONS:**

1. **Other Permits and Approvals: PRIOR TO THE START OF CONSTRUCTION,** the Permittee shall provide to the Executive Director copies of all other local, state, and federal permits required to perform project-related work. Any modifications to the project or its design, configuration, or implementation that occur as a result of these agencies' review and authorization processes shall be provided to the Executive Director for review to determine if an amendment to this coastal development permit is legally required. These permits and approvals include:
  - a. Regional Water Quality Control Board – Los Angeles Region: final approved 401 water quality certification.
  - b. U.S. Army Corps of Engineers: Authorization under Nationwide Permit #27, pursuant to Rivers and Harbors Act Section 10 and Clean Water Act Section 404.
  - c. California Department of Fish and Wildlife: final approved Lake and Streambed Alteration Agreement.
2. **Revised Site, Grading and Design Plans for the Synergy Site. PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT,** the Applicant shall submit to the Executive Director for review and written approval one set of revised site and grading plans for the Synergy site including restoration activities on the northern portion of the site and work associated with construction of new facilities on the southern portion of the site. These Plans shall include the following:
  - a. Specific location, dimensions and elevations of all proposed project elements on the Synergy site, including but not limited to, proposed tidal wetland restoration area (including the sheetpile wall, berm, tidal channels, and breaches to the existing berm), Visitor's Center, trails, outdoor education area, and any other new development.
  - b. Elimination of the proposed transitional wetland grading and the overlook terrace fill north and east of Steamshovel Slough.
  - c. Any revisions required by other state and federal agencies including the U.S. Army Corps and California Department of Fish and Wildlife. If implementation of the other agency requirements results in impacts to coastal resources that are not analyzed and mitigated in this permit, an amendment to the permit may be required.
  - d. Plans for the renovated building (i.e., Visitor's Center) demonstrating that:
    - i. It has been relocated outside of the mapped fault hazard zone.
    - ii. The final ground surface elevation for the site is above anticipated terrestrial and marine flooding levels including up to 6.7 feet of sea level rise and



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assuming the restoration of the southern portion of the Synergy site to tidal wetlands as a baseline condition.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

3. **Perimeter Pipeline Alignment Implementation Plan.** PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Applicant shall submit a Perimeter Pipeline Alignment Implementation Plan to the Executive Director for review and written approval. The purpose of the Plan shall be to incorporate into the project the perimeter pipeline corridor alternative for the pipeline connecting the Pumpkin Patch site to the LCWA site that substantially conforms to the perimeter alignment alternative described in the City of Long Beach's Response to Comments on the Draft EIR, Section 9.2.1.4, pp 9-76 – 9-81 and submitted to the Commission as part of the Response to a Notice of Incompleteness, dated 8/27/18. The Plan shall include the following elements:
- a. Final site plans
  - b. Final design plans, including the following:
    - i. Location and details for shutoff valves, expansion loops and any other oil spill prevention measures. The pipeline shall include a minimum of three automatic shutoff valves, one at each end of the pipeline and one at a feasible location in the middle of the pipeline.
    - ii. Representative cross-sections and detail drawings of key components, such as bends and expansion loops needed for seismic safety.
    - iii. Final design for the crossing underneath 2<sup>nd</sup> St. and Studebaker St.
    - iv. Safety measures to ensure the pipeline is protected from hazards associated with vehicle traffic on 2<sup>nd</sup> St. and Shopkeeper Rd.
    - v. Final Design plans shall reflect any revisions required based on the results of supplemental analyses required in parts (c) and (d).
  - c. Supplemental Geotechnical Analysis and Safety Plan that incorporates the following elements:
    - i. A site-specific geotechnical analysis evaluating fault rupture hazards along the final pipeline route, at a minimum evaluating the maximum horizontal and vertical fault displacement that could occur during an earthquake event on the Newport-Inglewood fault with a 1% in 50 year chance of occurrence (1/4,975 annual probability), as determined based on a review of the most current available science.
    - ii. An engineering analysis, using the final route, configuration and dimensions of the pipeline system, demonstrating that the pipelines have been designed to withstand the maximum horizontal and vertical fault displacements derived from the geotechnical analysis required in subsection (c)(i) of this condition, and describing the specific design elements that would be used to accommodate the expected displacements.



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- iii. An engineering analysis of the proposed secondary containment berms describing their capacity to withstand fault rupture and any feasible design measures that would be incorporated to maximize their structural integrity.
- iv. A Repair and Maintenance Plan describing the measures that would be taken to maintain the pipelines and containment berms in an optimal condition.
- d. Supplemental Hydrologic and Flooding Analysis that incorporates the following elements:
  - i. Assessment of the vulnerability of the perimeter pipeline design and alignment to terrestrial and marine flooding and up to 6.7 feet of sea level rise.
  - ii. The study shall incorporate restoration of the remainder of the City site to tidal wetlands and consider a restoration scenario that results in the worst-case flooding of the pipeline corridor and is consistent with restoration planning efforts by the LCWA to the maximum extent feasible.
  - iii. If modeling results show that the pipeline is vulnerable to inundation from flooding and/or sea level rise over its design life, the Plan shall recommend design features for the pipeline that could be implemented over the life of the pipeline to ensure the pipeline is constructed at a safe and appropriate elevation in coordination with future restoration efforts to ensure that hazards associated with flooding are minimized.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

- 4. **Wetland Restoration and Mitigation Plan.** PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Applicant shall submit for review and written approval of the Executive Director a Wetland Restoration and Mitigation Plan to restore the northern portion of the Synergy site, including mitigation for all wetland impacts associated with the proposed project. The Plan shall be developed in consultation with the California Department of Fish & Wildlife, Regional Water Quality Control Board and U.S. Army Corps of Engineers, and other appropriate state and federal agencies as applicable, and at a minimum shall include:
  - a. A detailed site plan of the wetland impact area that substantially conforms to the plan submitted to the Commission as part of the CDP application as shown generally on Exhibits 22, 24 and 28. The site plan shall delineate all impact areas (on a map that shows elevations, surrounding landforms, etc.), the types of impact and the exact acreage of each impact so identified. The site plan shall be consistent with the Plan submitted under **Special Condition 3**.
  - b. Applicable wetland mitigation ratios. Wetland impacts shall be mitigated at the following ratios:
    - i. Permanent impacts to wetlands from sheetpile wall installation, sidewalk grading, and installation of the pipeline corridor shall be mitigated at a 4:1 ratio (restored/created area: impacted area) for mitigation involving creation or substantial restoration of wetland habitat and/or 6:1 ratio (enhanced area:

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- impacted area) for mitigation involving enhancement of existing wetland habitat.
- ii. Permanent impacts to wetlands from construction of the portions of the berm that will result in uplands (i.e., above 4.3 feet NGVD) shall be mitigated at a 2:1 ratio (restored/created area: impacted area) for mitigation involving creation of substantial restoration of wetland habitat and/or 3:1 ratio (enhanced area: impacted area) for mitigation involving enhancement of existing wetland habitat.
  - c. A detailed site plan of the restoration and mitigation sites. The site plan shall include both the restoration area and the buffer surrounding the restoration area. If wetland creation or substantial restoration is proposed, the site plan shall include: existing and proposed hydrologic, soil and vegetative conditions of the mitigation site(s); engineering/grading and erosion control plans and schedule – if applicable; weeding plans and schedule; planting plans and schedule; short- and long-term irrigation needs; on-going maintenance and management plans; and a monitoring plan consistent with **Special Condition 5**.
  - d. A baseline assessment, including photographs, of the current physical and ecological condition of the proposed restoration site and any areas outside of the restoration site that are tidally connected to the restoration site, including as appropriate, a wetland delineation conducted according to the definitions in the Coastal Act and the Commission's Regulations and the methods laid out in the U.S. Army Corps of Engineers "Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region," a detailed site description and map showing the area and distribution of vegetation types and site topography, and a map showing the distribution and abundance of sensitive species that includes the footprint of the proposed restoration.
  - e. A description of the goals of the restoration plan and the applicable mitigation ratio from (b) above. The goals should also include, as appropriate, any changes to site topography, hydrology, vegetation types, presence or abundance of sensitive species, and wildlife usage, and any anticipated measures for adaptive management in response to sea level rise or other climatic changes. In addition, the goals shall describe how the wetlands mitigation requirement will be met within the larger restoration site.
  - f. A description of planned site preparation and invasive plant removal.
  - g. A restoration plan including the planting palette (seed mix and container plants), planting design, source of plant material, methods and timing of plant installation, erosion control measures, duration and use of irrigation, and measures for remediation if success criteria (performance standards) are not met. The planting palette shall be made up exclusively of native plants that are appropriate to the habitat and region and that are grown from seeds or vegetative materials obtained from local natural habitats to protect the genetic makeup of natural populations. Horticultural varieties shall not be used. The planting palette shall be developed in consultation with representatives of Native American groups with documented ancestral ties to the area, as determined by the NAHC.
  - h. A plan for documenting and reporting the physical and biological "as built" condition of the restoration or mitigation site prior to operation of new oil production facilities and within 30 days of completion of the initial restoration activities. This report shall describe the field implementation of the approved Wetland Restoration and Mitigation

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Plan in narrative and photographs, and report any problems in the implementation and their resolution, and any recommendations for future adaptive management. The "as built" assessment and report shall be completed by a qualified biologist, who is not employed by and independent of the installation contractor.

- i. Provisions for submittal of a wetland delineation of the restoration site at the end of 5 years to confirm that the total acreage mitigated is consistent with the applicable mitigation ratio established in (b) above. The final delineation should also demonstrate that the restoration work did not adversely affect wetland areas outside the restoration site boundary.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

5. **Wetland Restoration and Mitigation Monitoring.** PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Applicant shall submit for review and written approval of the Executive Director a detailed Wetland Restoration and Monitoring Plan designed by a qualified wetland or restoration ecologist for monitoring of the wetland restoration site. The Wetland Monitoring Plan shall at a minimum include the following:
  - a. A plan for interim monitoring and maintenance of any restoration or mitigation site(s) and pre-approved reference site(s), including:
    - i. Schedule;
    - ii. Interim performance standards;
    - iii. A description of field activities that includes sampling design, number of samples and sampling methods. The number of samples should rely on a statistical power analysis to document that the planned sample size will provide adequate statistical power to detect the maximum allowable difference between the restored site and a reference site(s).
    - iv. The monitoring period (generally not less than 5 years, depending on case details or longer if performance standards are not met in the initial time frame).
    - v. Changes in sea level rise, sediment dynamics, and the overall health of the wetland to allow for adaptive management, as needed. Include triggers for implementing adaptive management options.
    - vi. Provision for submission of annual reports of monitoring results to the Executive Director for the duration of the required monitoring period, beginning the first year after submission of the "as-built" report. Each report shall be cumulative and shall summarize all previous results. Each report shall document the condition of the restoration with photographs taken from the same fixed points in the same directions. Each report shall also include a "Performance Evaluation" section where information and results from the monitoring plan are used to evaluate the status of the restoration project in relation to the interim performance standards and final success criteria.
    - vii. Provisions for the submittal of a revised or supplemental restoration plan to be submitted if an annual monitoring report shows that the restoration effort is

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falling significantly below the interim performance standards. Triggers shall be included in the plan to define the level of nonperformance at which the submittal of a revised or supplemental restoration plan will be required. The applicant shall submit a revised or supplemental restoration program within 90 days to address those portions of the original program which did not meet the approved success criteria.

- viii. Following the restoration, reports shall be submitted every ten years to ensure that the restoration is maintained over the time period of the development.
- b. Final success criteria for each habitat type, including, as appropriate: total ground cover of all vegetation and of native vegetation; vegetative cover of dominant species; and hydrology, including timing, duration and location of water movement.
- c. The method by which "success" will be judged, including:
  - i. Type of comparison.
  - ii. Identification and description, including photographs, of any high functioning, relatively undisturbed reference sites that will be used.
  - iii. Test of similarity with a reference site. This could simply be determining whether the result of a census was above a predetermined threshold. Generally, it will entail a one- or two-sample t-test that determines if differences between the restoration site and the reference site are within the maximum allowable difference for each success criteria (performance standard).
  - iv. A statement that final monitoring for success will occur after at least 5 years with no irrigation or significant remediation or maintenance activities other than weeding in the last year.
- d. Provisions for submission of a final monitoring report to the Executive Director at the end of the final monitoring period. The final report must be prepared by a qualified restoration ecologist. The report must evaluate whether the restoration site conforms to the goals, objectives, and success criteria set forth in the approved final restoration program. The report must address all of the monitoring data collected over the monitoring period. Following the restoration, reports shall be submitted every ten years to ensure that the restoration is maintained over the time period of the development.
- e. If the final report indicates that the restoration project has been unsuccessful, in part, or in whole, based on the approved success criteria (performance standards), the Permittee shall submit within 90 days a revised or supplemental restoration program to compensate for those portions of the original plan that did not meet the approved success criteria. The Permittee shall undertake restoration and monitoring in accordance with the approved final, revised Wetland Restoration and Mitigation Plan following all procedures and reporting requirements as outlined for the initial plan until all performance standards (success criteria) are met. The revised restoration program shall be processed as an amendment to this coastal development permit unless the Executive Director determines that no permit amendment is legally required.
- f. A long term maintenance plan.

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The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

**6. Open Space and Conservation Deed Restriction.**

- a. No development, as defined in Section 30106 of the Coastal Act, shall occur within Steamshovel Slough and the areas of the northern portion of the Synergy site that are approved for tidal wetlands restoration under this permit, as depicted on Exhibit 5, except for:
  - i. Restoration construction work, including construction of channels, breaching of the existing berm, installation of the sheet pile wall and berm, and implementation of pollution prevention measures, approved under Special Conditions 10 and 11.
  - ii. Wetland and habitat monitoring and other activities approved under Special Conditions 5 and 8.
  - iii. Interim and long term habitat management activities approved under Special Condition 5.
  - iv. Invasive plant removal and other restoration maintenance activities as approved under Special Conditions 5 and 15.
  - v. Fence maintenance and repair activities.
  - vi. Removal of the sheet pile wall.
  - vii. Erection and maintenance of public access signage
  - viii. Maintenance of the public access trail
  - ix. Any remedial action required by the Commission or another state or federal agency to ensure the restored area meets mitigation requirements.
- b. PRIOR TO OPERATION OF OIL PRODUCTION FACILITIES, the landowner shall execute and record a deed restriction in a form and content acceptable to the Executive Director, reflecting the above restrictions on development in the designated open space area. The recorded document(s) shall include a legal description and corresponding graphic depiction of the legal parcel(s) subject to this permit and a metes and bounds legal description and a corresponding graphic depiction, drawn to scale, of the designated open space area prepared by a licensed surveyor based on an on-site inspection of the open space area.
- c. The deed restriction shall be recorded free of prior liens and any other encumbrances that the Executive Director determines may affect the interest being conveyed.
- d. The deed restriction shall run with the land in favor of the People of the State of California, binding successors and assigns of the Permittee or landowner in perpetuity.

7. **Deed Restriction.** PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Applicant shall submit to the Executive Director for review and written approval documentation demonstrating that the landowners of the Synergy, City, LCWA, and Pumpkin Patch sites have executed and recorded against the parcel(s) governed by this permit a deed restriction, in a form and content acceptable to the Executive Director: (110



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indicating that, pursuant to this permit, the California Coastal Commission has authorized development on the subject properties, subject to terms and conditions that restrict the use and enjoyment of those properties; and (2) imposing the Special Conditions of this permit as covenants, conditions and restrictions on the use and enjoyment of the properties. The deed restriction shall include a legal description of the entire parcel or parcels governed by this permit. The deed restriction shall also indicate that, in the event of an extinguishment or termination of the deed restriction for any reason, the terms and conditions of this permit shall continue to restrict the use and enjoyment of the subject properties so long as either this permit or the development it authorizes, or any part, modification, or amendment thereof, remains in existence on or with respect to the subject properties.

8. **Biological Resource Protection Plan.** PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the applicant shall submit for review and written approval of the Executive Director a Biological Resource Protection Plan. The purpose of the Plan is to document biological resources on each site, including wetlands, sensitive habitat areas and special-status species, provide for biological monitoring during construction and oil facility removal and document wetland resources before and after oil facilities are removed to verify that any impacts to these resources are temporary. The Plan shall address all project activities and all project sites.
- a. **Pre-Construction Surveys.** NO MORE THAN 60 DAYS PRIOR TO THE COMMENCEMENT OF PROJECT ACTIVITIES AT A GIVEN SITE, pre-construction surveys shall be conducted by a qualified biologist approved by the Executive Director for special-status plant and wildlife species and nesting birds protected under the Migratory Bird Treaty Act and California Fish and Wildlife Code section 3503 and to document the boundaries of existing wetlands and other sensitive habitat areas identified by the biologist. Surveys shall incorporate the following:
- i. Appropriate survey methods and timeframes shall be established by the consulting qualified biologist and described in the Plan.
  - ii. If work on a project site ceases for a period of 30 days or more, a new pre-construction survey shall be conducted prior to continuing with construction or decommissioning activities.
  - iii. Pre-construction surveys for special-status species shall target estuary seablite, Southern tarplant, wooly seablite, Belding's savannah sparrows, Ridgeway's rails, California least terns, western snowy plovers, mudflat tiger beetles, and white-tailed kites. If these or any other listed species are encountered, the Permittee shall consult with the U.S. Fish and Wildlife Service (USFWS), the California Department of Fish and Wildlife (CDFW) and the Executive Director before continuing with work.
  - iv. In oil infrastructure removal areas, surveys shall include detailed vegetation mapping to document the present site conditions of all areas within three (3) feet to either side of the pipeline and three (3) feet around oil infrastructure proposed to be removed from the Synergy, Pumpkin Patch, and City sites. The mapping shall document the percent cover of native and non-native species including any rare native species (e.g. Southern tarplant) as well as bare ground adjacent to and within the pipeline and around and within the oil

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infrastructure and oil wells. Mapping shall also distinguish wetland from non-wetland areas. For identification and location purposes, the pipelines slated for removal should be divided into 10 or 20 meter segments that are individually mapped and labeled. Likewise, each oil infrastructure and oil well area slated for removal should be described, mapped, and labeled. Every section of pipeline and each oil infrastructure and oil well area shall be photo documented before work is undertaken.

- v. A site plan shall be prepared that depicts wetlands, vegetation, special-status species and any nests detected. A Site Plan shall be prepared for each site and should include larger scale depictions for each respective pipeline segment and oil infrastructure and oil well area. The Plan shall include staging areas, ingress and egress routes at both a site scale and on a smaller scale for each pipeline segment and oil infrastructure removal areas.
- vi. **NO MORE THAN 15 DAYS AFTER COMPLETION OF THE SURVEY**, a pre-construction survey report shall be submitted to the Executive Director for review and written approval. The report shall include the site plan, a narrative description of each site and work area, results of the survey including species richness and percent cover and acreage of wetlands and/or rare species, including Southern tarplant. The report shall also include a description of the potential impacts that will occur from the proposed work including impacts caused by ingress and egress, excavation, and/or re-contouring and whether the impacts will likely be temporary or permanent. Any area of wetland or ESHA excavated or re-contoured will be considered to be a permanent impact. The report shall also describe avoidance measures that will be implemented for wetlands or rare species and a list of any additional recommended mitigation measures or monitoring protocols.
- b. **Nesting Birds.** All construction shall be avoided, to the greatest extent possible, during the southern California bird nesting season which is January 15 through September 15. If construction must occur during this time, **NO MORE THAN 14 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES**, a qualified biologist, approved by the Executive Director, shall conduct a pre-construction survey for the presence of nesting birds. If an active nest of any bird including a Federal or State-listed threatened or endangered bird species, bird species of special concern, or any species of raptor is identified during such preconstruction surveys, or is otherwise identified during construction, the Permittee shall notify all appropriate State and Federal agencies within 24 hours, and shall develop an appropriate action plan specific to each incident that shall be consistent with any recommendations of those agencies. The Permittee shall notify the Executive Director in writing within 24 hours of identifying such a nest and consult with the Executive Director regarding the determinations of the State and Federal agencies. At a minimum, if the active nest is located within 300 feet of construction activities (within 500 feet for raptors), the Permittee must ensure that noise levels do not exceed 65 dB at the nest and that nesting birds are not disturbed by construction-related activities, and shall submit a plan to the Executive Director, for review and written approval, demonstrating how construction activities will be modified to avoid, minimize and mitigate impacts to nesting birds, including, but not limited to, such measures as buffer

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zones around nests, sound blocking BMPs, limits on duration of construction activities, and limits on the location of construction-related machinery and activity. If construction activity noise levels exceed a peak of 65 dB at the nest site(s), sound mitigation measures such as sound shields, blankets around smaller equipment, use of mufflers, and minimizing the use of back-up alarms shall be employed. If these sound mitigation measures do not reduce noise levels, construction within 300 ft. (500 ft. for raptors) of the nesting areas shall cease and shall not commence again until either new sound mitigation can be employed or until the nest(s) is vacated, juveniles have fledged and there is no second attempt at nesting

- c. **Biological Monitoring.** The Permittee shall employ or have under contract a biologist(s) approved by the Executive Director, during the duration of approved construction and oil facility decommissioning activities. The Permittee shall ensure that the biologist(s) conducts monitoring during any project activities involving mobilization, ground disturbance, grading, soil movement, or any other activities that could affect biological resources including special-status species, wetlands, coastal waters and marine species in accordance with the following:
- i. Based on results of the pre-construction survey required in part (a) above, the biologist shall clearly mark all sensitive biological resources located within 25 feet of any project-related activity. The biologist shall maintain a 10-foot buffer around any individual special-status plant unless otherwise approved in this permit or by the Executive Director under part (a).
  - ii. Conduct worker training with all project-related personnel to identify the location and types of sensitive biological resources on and near the project site and the measures to be taken to avoid impacts to these resources
  - iii. Implement all approved Plans required in Special Conditions 10, 11, and 12 to ensure impacts to special-status species, wetlands, and coastal waters are minimized.
  - iv. The biologist(s) shall require a halt to any project activities when he or she determines that continuing the activities would result in an unauthorized adverse impact to coastal waters, wetlands, and other biological resources. The biologist(s) shall inform the Permittee what measures are needed to address the impact and may allow activities to resume after necessary measures are implemented.
  - v. An annual summary report, including monitoring results and avoidance measures implemented shall be submitted to the Executive Director before December 31 of each year that construction and decommissioning activities are ongoing.
  - vi. If biological monitoring results indicate fill or dredging or any other adverse impacts to any wetland areas or sensitive biological resources that are not approved under this permit, the Permittee shall submit an application to amend this permit to address these impacts and fully restore any disturbed wetlands or sensitive biological resources to its pre-project condition, unless the Executive Director determines that no such permit amendment is legally required.



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- d. **Revegetation of Areas Disturbed During Oil Facility Removal.** The Permittee shall implement the 2018 Ecological Restoration Plan, submitted in October 2018, except where the 2018 Ecological Restoration Plan is not in conformance with this Special Condition 8 as outlined below:
- i. The Permittee shall implement the "As-Built" Plan identified in section 7 per the vegetation mapping results obtained via the pre-condition survey (part a above).
  - ii. The Permittee shall follow Special Condition 13 for addressing impacts to and mitigation for Southern tarplant.
  - iii. The source of all propagules and seed used to revegetate areas shall be from the site or immediately adjacent coastal areas. If propagules or seed are obtained from a nursery they must be from local genetic stock.
  - iv. Site recovery and revegetation success shall be determined based on the success criteria outlined in section (e) v. below.
  - v. Reporting shall be based on the criteria outlined in the following sections of this Special Condition 8: (a) vii; (c) v; and (e) iv.
- e. **Post-Construction Surveys to verify Temporary Wetland Impacts. NO MORE THAN ONE YEAR AFTER THE COMPLETION OF OIL FACILITY REMOVAL ACTIVITIES AT A GIVEN SITE,** post-construction surveys shall be conducted to verify that impacts to wetlands associated with oil facility removal are temporary. Surveys shall include the following:
- i. **Vegetation Mapping.** Vegetation mapping, conducted per the same methods employed for the pre-construction vegetation mapping, shall be conducted.
  - ii. **Site Plan.** A site plan shall be prepared that depicts the vegetation (based on vegetation mapping results) one (1) year following the completion of pipeline, oil infrastructure and oil well removal within each respective pipeline segment and oil infrastructure and oil well area, the ingress and egress location for each pipeline segment and oil infrastructure and oil well removal area, and excavation and re-contouring locations.
  - iv. **Post-Construction Survey Report.** The post-construction survey results shall be submitted to the Executive Director within fifteen (15) business days of completion of the survey. The data from the pre- and post-construction surveys shall be compared to determine the temporary or permanent impact status of all the areas based on the success of habitat recovery in meeting the approved success criteria (see v. below) as well as the nature of the impacts themselves (e.g. as defined in the findings, some impacts will automatically be considered permanent.) If the post-construction survey results show that the area where the pipeline was removed or the access and egress locations have not recovered per the success criteria, the applicant shall apply for an amendment to this coastal development permit within 90 days to address the additional impacts unless the Executive Director determines an amendment is not legally necessary.
  - v. **Success Criteria.** A wetland area that has been temporarily impacted shall be considered fully recovered, if, after one year, the vegetation has recovered to 85% of the value of the adjacent native habitat cover and has at least 90% of

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the species found in the respective pipeline segment or oil infrastructure area. The area shall also not contain more than 5% cover of non-native invasive species.

- f. Construction and decommissioning activities shall occur during daylight hours only.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

9. **Revised Decommissioning Plan for Existing Facilities.** PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Applicant shall submit a Revised Decommissioning Plan that is in substantial conformance with the Decommissioning Plan dated September 2018 and submitted as part of the application for this CDP, but shall be revised to incorporate the following:
- a. Provisions for removal of all surface infrastructure associated with a well within 60 days following successful abandonment of that well. Surface infrastructure may include, but is not limited to the wellhead, pumping equipment and controls, concrete pads and any associated debris. The Executive Director may extend the 60 day time period for removal of surface infrastructure for good cause.
  - b. Within 60 days of completion of decommissioning activities at the last remaining well on each site, the Permittee shall submit to the Executive Director an application for an amendment to this permit, or a new application to address characterization and cleanup of any contaminated soils or materials on the site.
  - c. Provisions for removal of all remaining equipment, infrastructure and debris associated with the oil production facilities and completion of cleanup activities within 20 years of the occupancy date for the new office building. This provision does not apply to new facilities approved under this permit, but does apply to existing wells on the Synergy, City and Pumpkin Patch sites.
  - d. Provision for removal of the sheetpile wall separating the Synergy oil field from the western portion of the restored area after all remaining equipment, infrastructure and debris associated with the oil production facilities are removed and cleanup activities have been completed.
  - e. Prior to the commencement of construction on the Pumpkin Patch and LCWA sites, a performance bond or other acceptable financial security shall be posted by the operator with the issuing entity in an amount commensurate with the estimated costs of decommissioning for all oil facilities approved in this permit. The cost of decommissioning shall include, but is not limited to, costs associated with planning, permitting and implementation of abandonment and removal of all facilities associated with the oil and gas production facility as well as site restoration. The bond or other financial security may be posted in increments over time based on the well drilling schedule at each site. However, before construction of any specific oil facility or drilling of any well commences, the Permittee shall ensure that the dollar amount of the bond or other financial security is sufficient to cover the cost of decommissioning that oil facility or well. The bond or other financial security shall be returned to the applicant upon successful decommissioning, abandonment and restoration of the site. This requirement

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is not intended to be duplicative of other state or federal requirements. If another government agency requires a bond or financial security for decommissioning of all facilities, the Applicant may provide evidence of obtaining said bond or financial security as a means to satisfy part or all of this requirement.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

10. **Pollution Prevention Plan for Steamshovel Slough. PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT**, the Applicant shall submit to the Executive Director for review and written approval a Pollution Prevention Plan (PPP) for Steamshovel Slough. The Plan shall describe how the existing berm separating Steamshovel Slough and the Synergy Oil Field will be breached and what measures shall be in place to ensure that the habitat and water quality within Steamshovel Slough is not adversely affected during or after the berm is breached. The Plan shall include the following components:
- a. A detailed methodology and timeline for excavation of the breaches in the existing berm and introduction of tidal flows into the newly restored areas. The Plan should specifically address phasing of the four proposed breaches and include provisions for sequential timing of the breaches with time in between for post-breach monitoring.
  - b. A staging plan, including types and locations of equipment, stockpiles, and proposed travel routes for construction equipment entering and existing the breach areas.
  - c. A description of all sediment control measures to be implemented before, during and after the berm is breached in each location. The Plan should include a site plan map indicating the location of all measures. These measures shall include the following:
    - i. Silt fences, silt curtains, coffer dams and/or other sediment control devices shall be deployed near the breaches to prevent any sediment from flowing into the Slough. If the silt fences are not adequately containing sediment, construction activity shall cease until remedial measures are implemented that prevents sediment from entering the waters below.
    - ii. Sediment sources shall be controlled using fiber rolls, silt fences, sediment basins, and/or check dams that shall be installed prior to or during grading activities and removed once the site has stabilized.
    - iii. Erosion control may include seeding, mulching, erosion control blankets, silt fences, plastic coverings, and geotextiles that shall be implemented after completion of construction activities.
    - iv. The use of erosion and sediment control products (such as fiber rolls, erosion control blankets, mulch control netting, and silt fences) that incorporate plastic netting (such as polypropylene, nylon, polyethylene, polyester, or other synthetic fibers) is prohibited in order to minimize wildlife entanglement and plastic debris pollution.
    - v. Appropriate energy dissipation devices shall be used to reduce or prevent erosion as tidal flows are introduced into newly restored areas.
  - d. A detailed monitoring plan that includes protocols for:



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- i. Baseline water quality monitoring. The Permittee shall conduct monitoring of baseline conditions in the Slough, including turbidity, pH, temperature, dissolved oxygen and other appropriate water quality parameters. Monitoring shall be conducted at different points in the tidal cycle and over a sufficient time period to adequately characterize the variability in baseline water quality conditions in the Slough.
- ii. Monitoring of turbidity, pH, temperature, dissolved oxygen and other appropriate water quality parameters in Steamshovel Slough and the newly restored wetland areas immediately before, during and after tidal flows are introduced into newly restored areas. Monitoring shall continue throughout the site stabilization period to ensure that water quality in the Slough is not being degraded. The Plan shall identify thresholds for turbidity and other water quality parameters such that waters with measurements of turbidity and/or other parameters exceeding a certain threshold shall be contained and prevented from being discharged into receiving waters. The Plan shall also identify monitoring protocols. The turbidity and other water quality thresholds shall be developed in consultation with the RWQCB and explained in the Plan. If sediment is not being contained adequately, as determined by visual observation or turbidity measurements, the activity shall cease until corrective measures are taken to remedy the situation.
- e. A description of remedial actions that can be taken immediately by the Permittee if monitoring results indicate that water quality parameters are on a trajectory to exceed established thresholds or have exceeded established thresholds.
- f. If monitoring results indicate that water quality thresholds in Steamshovel Slough are exceeded, the Permittee shall immediately stabilize the site, stop work, and notify the Executive Director. After consulting with the Executive Director, the Permittee shall implement remedial measures and continue monitoring all water quality parameters. Before continuing work, the Permittee shall submit a Supplemental Pollution Prevention Plan for Steamshovel Slough to the Executive Director for review and written approval describing what project-related activities lead to the exceedance, what sediment control measures were in place, what remedial measures were implemented after the exceedance was discovered and what measures will be implemented in the future to ensure another exceedance is avoided.
- g. The Permittee shall submit a Final Report within 60 days of the completion of monitoring activities associated with breaching the existing berm and reintroducing tidal flows to newly restored areas. The report shall include a description of all related construction activities and sediment control measures, results of all monitoring activities, and a detailed discussion of any water quality parameter exceedances.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

11. **Construction and Pollution Prevention Plan.** PRIOR TO THE ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Applicant shall submit to the Executive

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Director for review and written approval of a Construction and Pollution Prevention Plan. The Plan shall apply to all construction activities and all oil facility decommissioning and removal activities on all four project sites and shall, at a minimum, describe all structural and non-structural measures the Permittee will implement to avoid and minimize project-related impacts to wetlands and coastal waters adjacent to the project sites. The Plan shall be prepared by a qualified, licensed professional, who shall certify in writing that the Plan is in conformance with the following requirements:

- a. Erosion and the discharge of sediment off-site or to coastal waters shall be minimized through the use of appropriate Best Management Practices (BMPs), including:
  - i. Land disturbance during construction (e.g., clearing, grading, and cut-and-fill) shall be minimized, and grading activities shall be phased, to avoid increased erosion and sedimentation.
  - ii. Erosion control BMPs (such as mulch, soil binders, geotextile blankets or mats, or temporary seeding) shall be installed as needed to prevent soil from being transported by water or wind. Temporary BMPs shall be implemented to stabilize soil on graded or disturbed areas as soon as feasible during construction, where there is a potential for soil erosion to lead to discharge of sediment off-site or to coastal waters.
  - iii. Sediment control BMPs (such as silt fences, fiber rolls, sediment basins, inlet protection, sand bag barriers, or straw bale barriers) shall be installed as needed to trap and remove eroded sediment from runoff, to prevent sedimentation of coastal waters.
  - iv. Tracking control BMPs (such as a stabilized construction entrance/exit, and street sweeping) shall be installed or implemented as needed to prevent tracking sediment off-site by vehicles leaving the construction area.
  - v. Runoff control BMPs (such as a concrete washout facility, dewatering tank, or dedicated vehicle wash area) that will be implemented during construction to retain, infiltrate, or treat stormwater and non-stormwater runoff.
- b. The erosion control measures shall be required on the project site prior to or concurrent with the initial grading operations and monitored and maintained throughout the development process to minimize erosion and sediment from runoff waters during construction. All sediment should be retained on-site, unless removed to an appropriate, approved disposal site permitted to receive fill.
- c. The plan shall also include erosion control measures should grading or site preparation cease for a period of more than 30 days, including but not limited to: stabilization of all stockpiled fill, access roads, disturbed soils and cut and fill slopes with geotextiles and/or mats, sand bag barriers, silt fencing; temporary drains and swales and sediment basins. The Plans shall also specify that all disturbed areas shall be seeded with native grass species and include the technical specifications for seeding the disturbed areas. These temporary erosion control measures shall be monitored and maintained until grading or construction operations resume.
- d. All construction and decommissioning-related erosion control materials shall be comprised of bio-degradable materials (natural fiber, not photo-degradable plastics) and must be removed when permanent erosion control measures are in place. Bio-degradable

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erosion control materials may be left in place if they have been incorporated into the permanent landscaping design.

- e. The discharge of other pollutants resulting from construction activities (such as chemicals, paints, vehicle fluids, petroleum products, asphalt and cement compounds, debris, and trash) into runoff or coastal waters shall be minimized through the use of appropriate BMPs, including
  - i. Materials management and waste management BMPs (such as stockpile management, spill prevention, and good housekeeping practices) shall be installed or implemented as needed to minimize pollutant discharge and polluted runoff resulting from staging, storage, and disposal of construction chemicals and materials. BMPs shall include, at a minimum:
    - 1. Covering stockpiled construction materials, soil, and other excavated materials to prevent contact with rain, and protecting all stockpiles from stormwater runoff using temporary perimeter barriers.
    - 2. Cleaning up all leaks, drips, and spills immediately; having a written plan for the clean-up of spills and leaks; and maintaining an inventory of products and chemicals used on site.
    - 3. Proper disposal of all wastes; providing trash receptacles on site; and covering open trash receptacles during wet weather.
    - 4. Prompt removal of all construction debris from the beach.
    - 5. Detaining, infiltrating, or treating runoff, if needed, prior to conveyance off-site during construction.
  - ii. Fueling and maintenance of construction equipment and vehicles shall be conducted off site if feasible. Any fueling and maintenance of mobile equipment conducted on site shall not take place on the beach, and shall take place at a designated area located at least 50 feet from coastal waters, drainage courses, and storm drain inlets, if feasible (unless those inlets are blocked to protect against fuel spills). The fueling and maintenance area shall be designed to fully contain any spills of fuel, oil, or other contaminants. Equipment that cannot be feasibly relocated to a designated fueling and maintenance area (such as cranes) may be fueled and maintained in other areas of the site, provided that procedures are implemented to fully contain any potential spills.
- f. Minimize Other Impacts of Construction Activities. Other impacts of construction activities shall be minimized through the use of appropriate BMPs, including:
  - i. The damage or removal of non-invasive vegetation (including trees, native vegetation, and root structures) during construction shall be minimized, to achieve water quality benefits such as transpiration, vegetative interception, pollutant uptake, shading of waterways, and erosion control.
  - ii. Soil compaction due to construction activities shall be minimized, to retain the natural stormwater infiltration capacity of the soil.
  - iii. The use of temporary erosion and sediment control products (such as fiber rolls, erosion control blankets, mulch control netting, and silt fences) that incorporate plastic netting (such as polypropylene, nylon, polyethylene,

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- polyester, or other synthetic fibers) shall be avoided, to minimize wildlife entanglement and plastic debris pollution.
- iv. Tarps or other devices shall be used to capture debris, dust, oil, grease, rust, dirt, fine particles, and spills to protect the quality of coastal waters.
  - v. At the conclusion of the removal of all existing oil facilities on the Synergy and City sites, the former sites of these structures shall be level clean soil (with or without vegetation) that is unencumbered by remnant structures, debris, waste material, asphalt, or concrete foundations. These sites shall be revegetated with native vegetation according to Special Condition 8d.
  - vi. All abandoned material, equipment, structures, and debris within the Synergy and Pumpkin Patch sites shall be collected and removed from the site.
  - vii. The Permittee shall not engage in future stockpiling or long term storage of construction debris, vehicles, out of service or abandoned equipment. All such vehicles, equipment, and materials shall be removed as part of oil field decommissioning and abandonment activities.
  - viii. Noise control measures shall be employed to mitigate noise levels to the extent feasible. These measure shall include, but would not be limited to: temporary noise barriers or sound walls between construction areas and adjacent habitats; noise pads or dampers, or moveable task noise barriers, including rubberized pads within pipewalk areas; replacement or update of noisy equipment and use of enhanced hospital quality engine mufflers; queuing of trucks to distribute idling noise; siting of vehicle access points away from the sensitive habitat area; reduction in the number of loud activities that occur simultaneously; efforts to concentrate elevated noise causing activities during the middle hours of the day outside of key morning and evening wildlife foraging periods; placement of loud stationary equipment in acoustically engineered enclosures or maximum distances away from sensitive habitat areas; and use of walkie-talkies or similar devices to limit personnel noise;
  - ix. The Permittee shall prevent wildlife subsidies or attractants (primarily food and water) by minimizing watering for dust control, maintaining all tanks and pipes to prevent leaks, prohibiting littering by personnel, performing daily site cleanup, and providing self-closing waste containers and removing trash contents regularly to prevent overflow.
  - x. All construction lighting shall be installed at the minimum necessary height, shielded and directed downwards and towards the interior of the project areas to minimize night lighting of habitat areas located adjacent to these sites. All lighting shall employ the best available "dark sky" technologies including lights with the lowest intensity possible and using wavelengths that are the most environmentally protective of organisms active at night and dawn and dusk. The lowest intensity lighting shall be used that is appropriate for safety purposes.
  - xi. All construction activity, except for drilling and well installation operations that must be carried out continuously until completed, shall be limited to daylight hours.



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- g. Manage Construction-Phase BMPs. Appropriate protocols shall be implemented to manage all construction-phase BMPs (including installation and removal, ongoing operation, inspection, maintenance, and training), to protect coastal water quality.
- h. Construction Site Map and Narrative Description. The Construction and Pollution Prevention Plan shall include a construction site map and a narrative description addressing, at a minimum, the following required components:
  - i. A map delineating the construction site, construction phasing boundaries, and the location of all temporary construction-phase BMPs (such as silt fences, inlet protection, and sediment basins). The map shall delineate the areas on all four project sites to be disturbed by grading or construction activities and shall include any temporary access roads, staging areas and stockpile areas. Wetlands and natural areas on the site shall be clearly delineated on the plan and on-site with fencing or survey flags
  - ii. A description of the BMPs that will be implemented to minimize land disturbance activities, minimize the project footprint, minimize soil compaction, and minimize damage or removal of non-invasive vegetation. Include a construction phasing schedule, if applicable to the project, with a description and timeline of significant land disturbance activities.
  - iii. A description of the BMPs that will be implemented to minimize erosion and sedimentation, control runoff and minimize the discharge of other pollutants resulting from construction activities. Include calculations that demonstrate proper sizing of BMPs.
  - iv. A description and schedule for the management of all construction-phase BMPs (including installation and removal, ongoing operation, inspection, maintenance, and training). Identify any temporary BMPs that will be converted to permanent post-development BMPs.

Prior to implementing any new or modified project developments, facility locations, or BMPs not included in the initial Plan, the Permittee shall submit for Executive Director review and written approval proposed modifications needed to incorporate these project components into the Plan. The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

- 12. **Inadvertent Release Contingency Plan for jack and bore and/or Horizontal Directional Drilling (HDD) activities.** PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Applicant shall submit to the Executive Director for review and approval an Inadvertent Release Contingency Plan for all jack and bore/HDD activities associated with the project. The plan shall include, at a minimum:
  - a. An evaluation of a worst-case spill volume;
  - b. Clear identification of the location and dimensions of entry and exit pits and the trajectory and depth of bores beneath the intersection of Westminster Rd/2<sup>nd</sup> St. and Studebaker Rd.

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- c. Measures describing training of personnel, monitoring procedures, equipment, materials and procedures in place for the prevention, containment, clean up, and disposal of released drilling muds, and agency notification protocols;
- d. Methods for detecting the accidental release of drilling fluids that include: (1) monitoring by a minimum of one biological monitor throughout drilling operations to ensure swift response if a release (i.e., frac-out) occurs; (2) continuous monitoring of drilling pressures to ensure they do not exceed those needed to penetrate the formation; (3) continuous monitoring of mud returns at the exit and entry pits to determine if mud circulation has been lost; and (4) continuous monitoring by spotters to follow the progress of the drill bit during the pilot hole operation, and reaming and pull back operations.
- e. Protocols the Permittee will follow if there is a loss of circulation or other indicator of a release of fluids.
- f. Protocols the Permittee will follow if there is a fluid release in adjacent wetland areas (e.g., isolating the area through construction of temporary berms/dikes and use of silt fences, straw bales, absorbent pads, straw wattles, and plastic sheeting).
- g. If a frac-out and fluid release occurs in a wetland area, the Permittee shall immediately halt work and notify and consult with the staffs of the City, Coastal Commission, and U.S. Fish and Wildlife Service regarding appropriate incident-specific actions to be undertaken before HDD activities can begin again.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

13. **Southern Tarplant Restoration and Mitigation Plan.** PRIOR TO ISSUANCE OF A COASTAL DEVELOPMENT PERMIT, the Applicant shall submit a Southern Tarplant Restoration and Mitigation Plan to the Executive Director for review and written approval. The Plan shall include the following elements:

- a. Provision for seed collection from existing Southern tarplant populations in late summer and fall in preparation for future mitigation. Southern tarplant is an annual species belonging to the sunflower family that grows in seasonally moist (saline) areas and that germinates in the spring and flowers in late summer and into fall. The tarplant phenology must be monitored by the biologist assigned to collect seeds in order to determine the appropriate timing for seed collection. Seeds must be collected from all tarplants within the impact area once it has been determined tarplants have set seed. A biological monitor must be present during seed collection activities to ensure that seed is only collected from plants that will be impacted by the oil infrastructure removal activities. Upon completion of seed collection, the seeds must be cleaned in preparation for planting. If necessary, the seed must be temporarily stored in a dark, cool place and not be allowed to become damp.
- b. Summary of impacts to Southern tarplant from project-related activities including the percent cover measurements of the areas of impacted Southern tarplant. The summary should note which impacts are to fragmented and disturbed Southern tarplant in and

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around the oil infrastructure and which impacts are to Southern tarplant in large undisturbed areas.

- c. A detailed site plan of the Southern tarplant mitigation sites. Appropriate sites will have suitable hydrology, soils, and necessary open space. The mitigation sites shall mitigate impacts to the fragmented and disturbed Southern tarplant in and around the oil infrastructure, described in (b) at a 1:1 ratio (created:impacted) and impacts to Southern tarplant in large undisturbed areas, described in (b) at a 3:1 ratio (created:impacted). The mitigation site plan shall include both the restoration area and the buffer surrounding the restoration area.
- d. A baseline assessment, including photographs, of the current physical and ecological condition of the proposed mitigation site including the hydrology and soil type.
- e. A description of the goals of the restoration plan and the applicable mitigation ratio from (b) above.
- f. A description of planned site preparation that includes:
  - i. Soil preparation – soils must be ripped or disced prior to seeding to alleviate any soil compaction that exists within the mitigation sites
  - ii. Weed control – all non-native species must be removed prior to seeding.
  - iii. Temporary irrigation may be necessary and may include either an overhead and/or drip system or use of a water truck or other hand-watering methods.
- g. Seed planting/broadcasting shall occur between October and January 30 during following late fall and winter rain when the weather and soil conditions are suitable.
- h. A plan for documenting and reporting the physical and biological “as built” condition of the restoration or mitigation site within 30 days of completion of the initial restoration activities.
- i. Monitoring design that measures the percent germination rate and the number of seedlings the first year followed each year by the number and percent cover of surviving Southern tarplants.
- j. Monitoring must occur until the number and percent cover of Southern tarplants has reached 75% of the value of the impacted areas for a minimum of five (5) years.
- k. Provisions for submittal of annual reports and a final report once success criteria have been met.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

14. **Revised Nuisance Minimization Plan.** PRIOR TO ISSUANCE OF A COASTAL DEVELOPMENT PERMIT, the Applicant shall submit, for review and written approval of the Executive Director, a Revised Nuisance Minimization Plan that is in substantial conformance to Development Plan, Section viii. Measures to Prevent or Reduce Nuisance Effects, submitted on September 28, 2018. The Plan shall describe how the Permittee will meet the criteria outlined in the Plan and also reflect the following additions or revisions:
- a. Lighting. All allowed night lighting shall be minimized, directed downward, and shielded using the best available dark skies technology and pole height and design that minimizes light spill, sky glow, and glare impacts. Lighting shall use the lowest intensity

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possible that is appropriate for safety purposes and using wavelengths that are the most environmentally protective of organisms active at night and dawn and dusk. Outdoor lighting is limited to the following:

- i. The minimum necessary to light walkways used for entry and exit to structures, including parking areas on the site. This lighting shall be limited to fixtures that do not exceed three feet in height above finished grade, are shielded and directed downward, and generate the same or fewer lumens equivalent to those generated by a 60 watt incandescent bulb, unless a greater number of lumens is authorized in writing by the Executive Director.
  - ii. Security lighting attached to the structures shall use a control device or automatic switch system or equivalent functions to minimize lighting and is limited to same or fewer lumens equivalent to those generated by a 60 watt incandescent bulb. The control system shall include controls that automatically extinguish all outdoor lighting when sufficient daylight is available.
  - iii. The minimum necessary to light oil production facilities, if feasible, with the same or fewer lumens equivalent to those generated by a 60 watt incandescent bulb. This lighting shall be shielded and directed downward.
  - iv. All windows shall be comprised of glass treated to minimize transmission of indoor lighting to outdoor areas.
  - v. No lighting around the perimeter of the site and no lighting for aesthetic purposes is allowed.
- b. **Implementation Plan.** The Revised Plan shall include specific measures to implement the requirements and guidelines outlined in the Plan.

Within 60 days of the completion of construction of new oil production facilities and the Visitor's Center, the Permittee shall submit a written report, for the review and written approval of the Executive Director, showing that all project components were installed in compliance with the Revised Nuisance Minimization Plan. The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

15. **Management and Maintenance Plan for Public Access, Recreational Use, and Open Space Areas.** PRIOR TO OPERATION OF NEW OIL PRODUCTION FACILITIES, the Applicant shall provide for the review and written approval of the Executive Director, a Management and Maintenance Plan for all public access and recreational use areas on the Synergy site. The Plan shall balance public access and recreation on the Synergy site with protection of sensitive biological resources on the site, including Steamshovel Slough and the surrounding existing and restored areas. The final management and maintenance program(s) shall include the following:
- a. Identify all entities responsible for management and maintenance of the public access and recreational use areas. The current owner(s) of the Synergy site shall maintain those areas consistent with the final management and maintenance program until such time as management of the site is accepted by the Los Cerritos Wetlands Authority (LCWA). All



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management and maintenance shall occur in accordance with the approved Management and Maintenance Program.

- b. Interim Management Plan that addresses how public access will be managed while oil production and decommissioning operations at the Synergy Oil Field are ongoing.
- c. Restrictions on timing, locations, number of persons allowed on all public access features, and group activities for public access and recreation on the site that ensure disturbance to surrounding habitats is minimized. The Plan shall also include measures such as signage, wildlife-friendly fencing or barriers, public education programs and other means to ensure successful implementation of restrictions.
- d. Signage Plan. The Permittee shall submit a Signage Plan, in compliance with the following:
  - i. Public Access Signage that directs the public to the public access and recreation areas, and trails, on the Synergy site.
  - ii. Conservation signage that directs the public to refrain from entering and disturbing wetland areas included in the mitigation bank and educates the public about the habitat value and lists common disturbances to wildlife which are to be avoided, including but not limited to: domestic pets, littering, loud noises, lights, etc.
  - iii. Signs shall be included that are located and sized such that they are visible from existing publicly accessible areas (e.g. nearby sidewalks and public roads) adjacent to the site. Signs shall invite and encourage public use of access opportunities and shall identify and direct the public to those locations.
  - iv. Directional signage is required including direction to public parking, directional monuments (e.g. location of public amenities), and public trails. Signage denoting a coastal access point is required.
  - v. Interpretative signage shall be limited to historical, environmental and cultural educational signage.
- e. Identify funding for Management and Maintenance Activities. The Plan shall include:
  - i. A funding program sufficient to fund the actual cost of maintenance and periodic repair and replacement of the facilities within the areas open to the public, such as the Visitor's Center, trails, public access walkways and associated appurtenances including, but not limited to, surfaces, landscaping (if any), and signage; and
  - ii. A list of maintenance activities including but are not limited to: trash collection, repairs or replacement of surfaces due to cracks, spalling, broken concrete, etc., maintenance of gutters, curbs and sidewalks (keep free of debris, buildup, etc.), removal and/or trimming of vegetation that is interfering with public use of trails and any other public access and recreational use areas, repair/replacement of public access signs, trash receptacles, benches, handrails, stairs, and lighting, if necessary.
  - iii. A funding program sufficient to fund the actual cost of maintenance and periodic vegetation enhancements including on-going restoration, habitat enhancements for identified sensitive species, and repair and replacement of associated appurtenances including, but not limited to, fencing and signage for the trails and recreational areas; and

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- iv. A list of maintenance activities related to the on-going restoration and habitat enhancement for the trails and recreational areas.

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16. **Water Quality Management Plan.** PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Applicant shall submit to the Executive Director for review and written approval, a Water Quality Management Plan (WQMP) for post-construction conditions at all four project sites. This Plan shall be prepared by a qualified licensed water quality professional. For oil production facilities at the Pumpkin Patch and LCWA site, the Plan shall include site and grading plans demonstrating that all stormwater on the site will be collected onsite and treated as produced water. The Plans shall include all stormwater collection and transmission systems and equipment that handle stormwater on these two sites. For the Synergy and City sites, the WQMP shall include details on all aspects of this project, including detailed drainage and runoff control plan sheets, and all supporting BMP sizing calculations. The Plan shall include the following, where appropriate:
- a. **Drainage and Runoff Controls:** A Drainage Plan shall be developed for each project site and included in the WQMP which details the movement and discharge of runoff. This plan shall include discharge directional indicators, sizing calculations for all associated BMPs included in the final Drainage Plan. The Plan shall include, at a minimum, the following water quality protection approaches and runoff controls throughout the development of the site, in the following order of priority:
    - i. **Site Design BMPs-** Project design features that reduce the creation or severity of potential pollutant sources, or reduce the alteration of the project site's natural stormwater flow regime. Examples are minimizing impervious surfaces, preserving native vegetation, and minimizing grading.
    - ii. **Source Control BMPs-** Methods that reduce potential pollutants at their sources and/or avoid entrainment of pollutants in runoff, including schedules of activities, prohibitions of practices, maintenance procedures, managerial practices, or operational practices. Examples are covering outdoor storage areas, use of efficient irrigation, and minimizing the use of landscaping chemicals.
    - iii. **Treatment Control BMPs-** Systems designed to remove pollutants from stormwater by gravity settling of particulate pollutants, filtration, biological uptake, media adsorption, or any other physical, biological, or chemical process. Examples are vegetated swales, detention basins, and storm drain inlet filters. Where post-construction treatment of stormwater runoff is required, treatment control BMPs (or suites of BMPs) shall, at a minimum, be sized and designed to treat, infiltrate, or filter stormwater runoff from each storm event, up to and including the 85th percentile, 24-hour storm event for volume-based BMPs, or the 85th percentile, 1-hour storm event (with an appropriate safety factor of 2 or greater) for flow-based BMPs.

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- iv. The qualified licensed professional shall certify in writing that the final Drainage and Runoff Control Plan is in substantial conformance with the following minimum requirements:
1. Projects shall incorporate Low Impact Development (LID) techniques in order to minimize stormwater quality and quantity impacts from development, unless a credible and compelling explanation is provided as to why such features are not feasible and/or appropriate. LID strategies use small-scale integrated and distributed management practices, including minimizing impervious surfaces, infiltrating stormwater close to its source, and preservation of permeable soils and native vegetation.
  2. Post-development runoff rates from the site shall be maintained at levels similar to pre-development conditions.
  3. Selected BMPs shall consist, or primarily consist of, site design elements and/or landscape based systems or features that serve to maintain site permeability, avoid directly connected impervious areas and/or retain, infiltrate, or filter runoff from rooftops, driveways and other hardscape areas, where feasible. Examples of such features include but are not limited to porous pavement, pavers, rain gardens, vegetated swales, infiltration trenches and cisterns.
  4. Structural BMPs (or suites of BMPs) shall be designed to treat, infiltrate or filter the amount of stormwater runoff produced by all storms up to and including the 85th percentile, 24-hour storm event for volume-based BMPs, and/or the 85th percentile, 1-hour storm event, with an appropriate safety factor (i.e., 2 or greater), for flow-based BMPs.
  5. Landscape plants shall have low water and chemical treatment demands.
  6. All slopes shall be stabilized in accordance with provisions contained in Special Condition 11 (Construction and Pollution Prevention Plan), and, if applicable, in accordance with engineered plans prepared by a qualified licensed professional.
  7. Runoff shall be discharged from the developed site (where applicable) in a non-erosive manner. Energy dissipating measures shall be installed to prevent erosion. Plan details and cross sections for any rock rip-rap and/or other energy dissipating devices or structures associated with the drainage system shall be prepared by a qualified licensed professional. The drainage plans shall specify the location, dimensions, cubic yards of rock, etc. for any velocity reducing structure with the supporting calculations showing the sizing requirements and how the device meets those sizing requirements. The qualified, licensed professional shall ensure that all energy dissipaters use the minimum amount of rock and/or other hardscape necessary to protect the site from erosion.

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8. All BMPs shall be operated, monitored, and maintained in accordance with manufacturer's specifications where applicable, or in accordance with well recognized technical specifications appropriate to the BMP for the life of the project and at a minimum, all structural BMPs shall be inspected, cleaned-out, and where necessary, repaired, prior to the onset of the storm season (October 15th each year) and at regular intervals as necessary between October 15th and April 15th of each year. Debris and other water pollutants removed from structural BMP(s) during clean-out shall be contained and disposed of in a proper manner.
  9. Site drainage and BMP selection shall be developed concurrent with the preliminary development design and grading plan, and final drainage plans shall be approved by a licensed geotechnical engineer or engineering geologist.
  10. Should any of the project's surface or subsurface drainage/filtration structures or other BMPs fail or result in increased erosion, the applicant/landowner or successor-in-interest shall be responsible for any necessary repairs to the drainage/filtration system or BMPs and restoration of the affected area. Should repairs or restoration become necessary, prior to the commencement of such repair or restoration work, the applicant shall submit a repair and restoration plan to the Executive Director to determine if an amendment or new coastal development permit is required to authorize such work.
  11. The structural BMPs shall be constructed prior to or concurrent with the construction of infrastructure associated with the development. Prior to the occupancy of commercial or public structures approved by this permit, the structural BMPs proposed to service those structures and associated support facilities shall be constructed and fully functional in accordance with the final WQMP approved by the Executive Director.
  12. Structural BMPs shall incorporate natural treatment components (e.g. soft-bottom vegetated basins/bioswales) to the maximum extent practicable;
  13. The Plan shall include measures for reporting any events where BMPs did not prevent adverse impacts to wetlands or coastal waters and the measures taken in response to these events
- b. Best Management Practices. The WQMP shall incorporate long-term post-construction Best Management Practices (BMPs) that protect water quality and minimize changes in runoff volume and rate post-construction. The WQMP shall include the following requirements:
- i. The use of chemical pesticides, herbicides, and rodenticides containing any anticoagulant compounds (including, but not limited to, Warfarin, Brodifacoum, Bromadiolone or Diphacinone), shall be prohibited. The use of fertilizers shall be minimized to the maximum extent practicable. An Integrated Pest Management Program (IPM) shall be implemented in all 28



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landscaped areas. The IPM Program shall be designed and implemented for all of the proposed landscaping/planting on the project site and shall include the following IPM features, as appropriate:

1. Bacteria, viruses and insect parasites shall be considered and employed as a pest management measure, where feasible.
  2. Manual weeding, hoeing and trapping
  3. Use of non-toxic, biodegradable, alternative pest control products.
  4. The applicant or responsible party shall be responsible for educating all landscapers or gardeners on the project site about the IPM program and other BMPs applicable to water quality management of landscaping and gardens. Education shall include written and verbal materials.
- ii. Trash and recycling containers and storage areas: The applicant shall use trash and recycling containers and storage areas that, if they are to be located outside or apart from the principal commercial structures, are fully enclosed and water-tight in order to prevent stormwater contact with waste matter which can be a potential source of bacteria, grease, and particulates and suspended solids in runoff, and in order to prevent dispersal by wind and water. Trash container areas must have drainage from adjoining roofs and pavement diverted around the area(s), and must be screened or walled to prevent off-site transport of trash.
- iii. Structures, hardscape, and Roads: Runoff from all new and redeveloped surfaces on the site shall be collected and directed through a system of media filter devices and bioswales. The filter elements shall be designed to treat, filter, or infiltrate runoff and a) trap sediment, particulates and other solids and b) remove or mitigate contaminants through filtration and biological uptake. The drainage system shall also be designed to convey and discharge runoff in a non-erosive manner.
- iv. Education and Training: Annual verbal and written training of employees, tenants, landscapers, and property managers and other parties responsible for proper functioning of BMPs in commercial development shall be required. Outdoor drains in the commercial site shall be labeled/stenciled to indicate whether they flow to an on-site treatment device, a storm drain, or the sanitary sewer as appropriate. Storm drain stenciling ("No Dumping, Drains to Ocean" or equivalent phrase) shall occur at all storm drain inlets in the development. Informational signs around the commercial establishments for customers and employees/tenants about water quality and the BMPs used on-site shall be provided.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

17. **Contaminated Soil Investigation and Removal Plan.** PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Applicant shall submit to the Executive

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Director for review and written approval a Contaminated Soil Investigation and Removal Plan for the Synergy and City sites that is consistent with Regional Water Quality Control Board requirements. The Plan shall be developed in consultation with other appropriate agencies, including, but not limited to the U.S. Army Corps of Engineers, the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service and the California Department of Fish and Wildlife. The Plan shall include the following components:

- a. Description of all soil sampling and analysis efforts to identify and delineate contaminated areas, including dates, sampling methodologies, and analytical methods.
- b. Results of all soil sampling and analysis activities
- c. Identification of appropriate clean-up thresholds reflecting the ultimate use of the site as wetland habitat subject to tidal influence, and protective of existing surrounding wetlands and habitats. Development of these thresholds shall include input from all appropriate state and federal agencies.
- d. A detailed site plan of all excavation areas including any necessary staging and temporary stockpile areas.
- e. An estimate of the required surface area and volume of soil that must be excavated to achieve appropriate clean-up thresholds. If anticipated excavation activities will result in impacts to wetlands, Southern tarplant, or other sensitive resources that are not addressed in this permit, the Permittee shall submit an application to amend this permit to address additional wetland impacts, unless the Executive Director determines a permit amendment is not necessary.
- f. Avoidance and minimization measures to protect Steamshovel Slough and other wetland and upland habitat areas surrounding the excavation sites.
- g. A post-contaminated soil removal sampling protocol to verify that appropriate clean-up thresholds were achieved.
- h. Provisions for submittal of a final report documenting actual excavation surface areas and volumes and results of post-removal monitoring. If excavation activities result in unanticipated impacts to wetlands, the Permittee shall submit an application to amend this permit to address additional wetland impacts, unless the Executive Director determines a permit amendment is not legally necessary.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

18. **Land Surface Monitoring Plan.** PRIOR TO THE COMMENCEMENT OF OIL DRILLING ACTIVITIES, the Permittee shall submit for Executive Director review and written approval a Land Surface Monitoring Plan. The purpose of the Plan is to establish baseline land surface elevations in vulnerable areas, and then monitor those areas throughout the duration of the project for any significant change. The Plan shall include the following components:
- a. Baseline surface elevations on the project sites and the lands under which the Permittee holds or leases mineral rights for oil and gas extraction. Existing data, if sufficient, may be used to establish a baseline. The Plan shall use a statistical analysis to justify the number of data points used to establish the baseline.

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- b. Baseline data on ground shaking and land surface movement in the project vicinity obtained from available sources such as the U.S. Geological Survey (USGS) and the California Institute of Technology Seismological Laboratory (CalTech).
- c. Protocols for annual monitoring of land surface elevations at locations identified in Subsection a. above.
- d. Protocols for obtaining information on ground shaking and land surface movements in the project vicinity from sources identified in Subsection b. above. The type, frequency and duration of all monitoring activities shall be consistent with the City's monitoring program and shall be described in the Plan.
- e. Criteria developed in consultation with the City, DOGGR and the Executive Director to determine if a change in land surface elevation or the frequency and duration of seismic activity is significant.
- f. If monitoring results indicate significant changes in land surface elevations or land surface movements, the Permittee shall submit a supplemental report to the Executive Director for review and written approval that analyzes potential causes of the observed changes. The report shall specifically address the potential that oil and gas activities approved under this permit contributed to the observed changes. The report shall be submitted within 60 days of submittal of a report indicating significant changes.
- g. If land surface monitoring results, including results from the required supplemental report indicate that oil and gas activities approved under this permit caused or contributed to significant changes in land surface elevations or movement, the Permittee shall submit a Land Surface Mitigation Plan to the Executive Director for review and written approval that identifies additional measures the Permittee will take to address the causes and effects of the identified changes in land surface elevation or movement. The Permittee will apply for an amendment to this permit to implement the identified measures unless the Executive Director determines an amendment is not legally necessary.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

**19. Revised Oil Spill Prevention and Response Plan. PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT,** the Applicant shall submit for Executive Director review and written approval, a revised Oil Spill Prevention and Response Plan (OSRP) that includes the following:

- a. A risk assessment that analyses the oil spill risk and hazards for all project components that could cause an oil spill. The risk assessment shall include an inventory of the hazards that could cause an oil spill, or that have resulted in historical spills, and identify the control measures that will be used to avoid or minimize the risk of an oil spill. The risk assessment shall include a probability analysis of significant oil spills (specifying size, frequency, cause, duration, and location) that could still occur after any or all spill control measures have been implemented, including a cumulative worst-case spill scenario.
- b. Demonstration that the prevention and response measures included in the Plan address the magnitude of the risk as determined in (a).

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- c. Updated worst case discharge volume and containment volume calculations for the selected pipeline route on the City site consistent with final design and site plans required in **Special Condition 3**.
- d. Detailed site and facility plans and all grading plans for all project components/sites, including the selected pipeline route on the City site (consistent with requirements in **Special Condition 3**), that match the details and results of the oil spill risk and worst-case spill assessment.
- e. Prevention and safety measures. The oil spill prevention and safety measures for all project components/sites, including schedules, methods, and procedures for testing, maintaining, and inspecting pipelines and other facilities, shall comply with California Office of Spill Prevention and Response regulations for Oil Spill Contingency Plans for Marine or Inland Facilities (14 CCR §§ 815.01 – 818.03; 14 CCR § 817.04).
- f. The Plan shall maximize secondary containment of all tanks to the extent feasible.
- g. Incorporate the use of smart pigs or equivalent monitoring technology to inspect the interior of the pipeline to detect internal corrosion, defects or irregularities a minimum of every three years.
- h. Preparedness training and emergency planning. The oil spill training programs for all project components/sites shall comply with California Office of Spill Prevention and Response oil spill training and drills regulations (14 CCR § 820.01).
- i. Evidence of financial responsibility. PRIOR TO OPERATIONS, the OSRP shall include evidence that a Certificate of Financial Responsibility (COFR) has been issued by the California Office of Spill Prevention and Response, demonstrating compliance with 14 CCR § 791-797, for all project components/sites.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

**20. No Future Shoreline Protective Device**

- a. By acceptance of this permit, the Permittee agrees, on behalf of itself and all successors and assigns, that no bluff or shoreline protective device(s) shall ever be constructed to protect the development approved pursuant to Coastal Development Permit No. 9-18-0395 including, but not limited to, oil production facilities including wells, pipelines, tanks, processing equipment and other support infrastructure including in the event that the development is threatened with damage or destruction from waves, erosion, storm conditions, liquefaction, bluff retreat, landslides, or other coastal hazards in the future, and as may be exacerbated by sea level rise. By acceptance of this permit, the Permittee hereby waives, on behalf of itself and all successors and assigns, any rights to construct such devices that may exist under applicable law.
- b. By acceptance of this permit, the Permittee further agrees, on behalf of itself and all successors and assigns, that the landowner shall remove the development authorized by this permit, including oil production facilities including wells, pipelines, tanks, processing equipment and other support infrastructure, if any government agency has ordered that the structures are not to be occupied due to any of the hazards identified above, or if any public agency requires the structures to be removed. If any portion of the



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development at any time encroaches onto public property, the Permittee shall either remove the encroaching portion of the development or apply to retain it. Any application to retain it must include proof of permission from the owner of the public property. The Permittee shall obtain a coastal development permit for removal of approved development unless the Executive Director provides a written determination that no coastal development permit is legally required.

- c. Prior to removal/relocation, the Permittee shall submit two copies of a Removal/Relocation Plan to the Executive Director for review and written approval. The Removal/Relocation Plan shall clearly describe the manner in which such development is to be removed/relocated and the affected area restored so as to best protect coastal resources, including the Pacific Ocean. If portions of the development fall into surrounding waterways or wetlands before they are removed/relocated, the landowner shall remove all recoverable debris associated with the development from the bluffs and ocean and lawfully dispose of the material in an approved disposal site. Such removal shall require a coastal development permit.

**Seismic and Geotechnical Analysis and Hazard Mitigation Plan.** PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Applicant shall submit for the Executive Director review and written approval, a Seismic Analysis and Safety Plan. The Plan shall include the following:

- a. Detailed design plans for the following:
  - i. Sheetpile wall and berm separating Steamshovel Slough and restored wetlands from the Synergy oil field.
  - ii. All new significant structures, including buildings, pipelines, storage tanks, well cellars, walls and berms
- b. A site-specific geotechnical analysis for each site evaluating:
  - i. Fault rupture hazards, at a minimum evaluating the maximum horizontal and vertical fault displacement that could occur during an earthquake event on the Newport-Inglewood fault with a 1% in 50 year chance of occurrence (1/4,975 annual probability), as determined based on a review of the most current available science.
  - ii. Ground shaking, liquefaction and seismic settlement hazards based on current building codes (e.g., CBC 2016) and ASCE guidelines (e.g., ASCE 7-16) and the most current, best available science
- c. An engineering analysis, specific to each site, demonstrating the following:
  - i. The flood control barriers have been designed to withstand the maximum horizontal and vertical fault displacements indicated in the geotechnical analysis, and describing the specific design elements that would be used to accommodate the expected displacements.
  - ii. Project structures would be designed and constructed to withstand expected levels of ground shaking, liquefaction and ground settlement as determined in the geotechnical analysis, and describing the specific design elements and mitigation measures that would be used to assure the integrity of each structure.

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- d. Specific design recommendations and mitigation measures to address the hazards described in (b) and (c) above.
- e. An Inspection and Maintenance Plan describing in detail the types and frequency of inspections and the procedures that will be followed to maintain the flood control elements and structures in good working condition.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

22. **Greenhouse Gas Reporting.** The Permittee shall submit each year, for Executive Director review, the annual report required pursuant to its participation in the California Air Resources Board's Cap-and-Trade Program. The report is to document GHG emissions from all project sources covered by the Program and shall identify all offsets and credits acquired to fully offset emissions from those sources.

The Permittee shall also submit each year, for Executive Director review, an annual report documenting compliance with applicable requirements of the South Coast Air Quality Management District's Stationary Sources, Rules, and Plans program, or documentation from the District that the project is not subject to the program.

23. **Protection of Cultural Resources**

- a. **PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT**, the Applicant shall submit for the review and written approval of the Executive Director an Archeological Research Plan (ARP), prepared consistent with subsections b, c and d of this condition. The ARP shall:

- i. Include a detailed plan for additional archeological research and testing to better characterize the potential for archeological resources on the site and to identify and accurately delineate (to the maximum extent practicable and in accordance with current professional archeological practices) any resources that may be discovered during the investigations.
- ii. Address the nature of archeological resources that could be found around the mudflats, beach lines, and wetlands in and around the project sites.
- iii. Expand upon the existing records search investigation (Fulton & Fulton 2017) by conducting a new search that increases the search radius from within 0.5 miles to within 1.5 miles of the project sites.
- iv. Address the larger cultural and tribal setting of the project area and describe how the project sites fit into this setting. The ARP shall address potential connections between the project sites and the broader network of prehistoric villages and resources of tribal people in the Long Beach area. The ARP shall address the value of living resources and the cultural significance for the surrounding sites to tribal communities.
- v. Include further site testing at the Pumpkin Patch, LCWA and Synergy sites, at a minimum, soil core sampling to determine the depth of artificial fill and to characterize the deeper soil layers. The ARP shall address the likelihood of

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archeological resources (including burials) being present and what impacts the proposed project may have on unknown archeological resources under the artificial fill. Additional site testing may also include excavation of test pits and other soil testing methodologies if recommended by the peer review committee (see Item 9).

- vi. If, during archeological testing, any cultural deposits, including but not limited to skeletal remains and grave-related artifacts, traditional cultural, religious or spiritual sites, midden and lithic material or artifacts, are discovered, they shall not be exposed and the testing shall be immediately halted in this location. Additional testing shall be conducted further from the center of the discovery until sterile conditions are encountered. The ARP does not authorize the excavation of any cultural deposits nor data recovery. Nothing in this condition shall prejudice the ability to comply with applicable State and Federal laws if human remains are encountered. However, in compliance with applicable State and Federal laws the project archaeologist shall work with the County Coroner and other authorities to allow Native American human remains to be left in situ, to the maximum extent practical.
- vii. If resources are discovered, the Permittee shall undertake significance testing of these resources consistent with Subsection d. Based on the results of significance testing, the Permittee shall submit a revised ARP describing the nature and boundaries of any archeological sites. The revised ARP shall also identify proposed investigation and mitigation measures. If there is disagreement between the project archeologist and the Native American monitors and/or the Native American most likely descendent (MLD), both perspectives shall be presented to the Executive Director. The range of investigation and mitigation measures considered shall not be constrained by the approved development. Mitigation measures considered shall range from in-situ preservation to recovery and/or relocation. A good faith effort shall be made to avoid impacts to cultural resources through methods such as, but not limited to, project redesign, capping, and creating an open space area around the cultural resource areas. In order to protect cultural resources, any further development may only be undertaken consistent with the provisions of the final, approved ARP.
  - 1. If the Executive Director approves the revised ARP and determines that the revised ARP's recommended changes to the proposed development or mitigation measures are de minimis in nature and scope, construction may recommence after the Executive Director informs the Permittee of that determination.
  - 2. If the Executive Director approves the revised ARP but determines that the changes therein are not de minimis, construction may not recommence until after the Commission approves an amendment to this permit.
- viii. Archeological and cultural resource monitoring shall be consistent with subsection c of this condition;

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- ix. The ARP shall be reviewed by an archaeological peer review committee, Native American groups and agency review process, consistent with Subsection f.
- b. PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Applicant shall submit for the review and written approval of the Executive Director an Archaeological Monitoring and Mitigation Plan for the protection of archaeological/paleontological resources during project grading and construction activities, prepared by a qualified professional, consistent with **Subsections c, d, e, f and g** of this condition, which shall incorporate the following measures and procedures:
  - i. The Archeological Monitoring and Mitigation Plan shall incorporate all measures and changes in the proposed development included by the approved revised ARP, if required, as described in Subsection a.
  - ii. During all digging, ground disturbance, and subsurface activity on the site, archaeological monitor(s) qualified by the California Office of Historic Preservation (OHP) standards and the Native American MLDs from each tribe when State Law mandates identification of MLDs, shall be present on the site.
  - iii. Also present during all digging, ground disturbance, and subsurface activity on the site shall be a minimum of 1 set of Native American monitors for every location of ground disturbance; 1 set shall include 2 individual monitors representing the Tribes identified on the Native American Heritage Commission's list (NAHC list). Both Native American monitors in the set shall be present at the same time and monitoring the same location.
  - iv. More than 1 set of monitors on the site may be necessary during times with multiple grading and soil disturbance locations.
  - v. Tribal representatives selected for the monitoring set shall be rotated equally and fairly among all tribal groups identified on the NAHC list, such that every tribal group has an equal opportunity to monitor on the site.
  - vi. During all digging, ground disturbance, and subsurface activity on the site, any Native American representatives from Tribes on the NAHC list are welcome to be present on the site and monitor, even if they are not the assigned set of monitors within the rotation for that day.
  - vii. The Permittee shall provide sufficient archeological and Native American monitors to assure that all project grading or other development that has any potential to uncover or otherwise disturb cultural deposits is monitored at all times. All archaeological monitors, Native American monitors and Native American most likely descendants (MLD) shall be provided with a copy of the final revised archaeological monitoring and mitigation plan required by this permit. Prior to commencement of grading, the Permittee shall convene an on-site pre-grading meeting with the all archaeological monitors, Native American monitors and Native American MLDs along with the grading contractor, the Permittee and the applicant's archaeological consultant in order to ensure that all parties understand the procedures to be followed pursuant to the subject permit condition and the approved archaeological monitoring and mitigation plan, including the procedures for dispute resolution. At the conclusion of the meeting all attendees shall be required to sign a declaration,



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which has been prepared by the applicant, subject to the review and written approval of the Executive Director, stating that they have received, read, discussed and fully understand the procedures and requirements of the approved Archaeological Monitoring and Mitigation Plan and agree to abide by the terms thereof. The declaration shall include contact phone numbers for all parties and shall also contain the following procedures to be followed if disputes arise in the field regarding the procedures and/or terms and conditions of the approved Archaeological Monitoring and Mitigation Plan. Prior to commencement of grading, a copy of the signed declaration shall be given to each signatory and to the Executive Director.

1. Any disputes in the field arising among the archaeologist, archaeological monitors, Native American monitors, Native American MLD, the grading and construction contractors or the applicant regarding compliance with the procedures and requirements of the approved archaeological monitoring and mitigation plan shall be promptly reported to the Executive Director via e-mail and telephone.
  2. All work shall be halted in the area(s) of dispute. Work may continue in area(s) not subject to dispute, in accordance with all provisions of this special condition.
  3. Disputes shall be resolved by the Executive Director, in consultation with the archaeological peer reviewers, Native American monitors, Native American MLD, the archaeologist and the Permittee. The Executive Director shall make a good faith effort to resolve the dispute within 20 working days after notification of the Executive Director.
  4. If the dispute cannot be resolved by the Executive Director in the timeframe described in subsection 3. above, said dispute shall be reported to the Commission for resolution at the next regularly scheduled Commission meeting or as soon as practicable after the dispute is referred to the Executive Director.
- viii. If any cultural deposits are discovered during project grading or construction, including but not limited to skeletal remains and grave-related artifacts, traditional cultural sites, religious or spiritual sites, or other artifacts, the Permittee shall carry out significance testing of said deposits and, if cultural deposits are found by the Executive Director to be significant pursuant to **Subsection d** of this condition and any other relevant provisions, additional investigation and mitigation in accordance with all subsections of this special condition;
- ix. If any cultural deposits are discovered, including but not limited to skeletal remains and grave-related artifacts, traditional cultural sites, religious or spiritual sites, or other artifacts, all development shall cease in accordance with **Subsection c** of this special condition;
- x. In-situ preservation and avoidance of cultural deposits shall be considered as the preferred mitigation option, to be determined in accordance with the process outlined in this condition, including all subsections. A setback shall be established between the boundary of cultural deposits preserved in-situ and/or

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reburied on-site and any proposed development; the setback shall be no less than 50 feet and may be larger if necessary to protect the cultural deposits;

- xi. If human remains are encountered, the Permittee shall comply with applicable State and Federal laws. Procedures outlined in the monitoring and mitigation plan shall not prejudice the ability to comply with applicable State and Federal laws. The range of investigation and mitigation measures considered shall not be constrained by the approved development plan. Where appropriate and consistent with State and Federal laws, the treatment of remains shall be decided as a component of the process outlined in the other subsections of this condition.

**c. Discovery of Cultural Deposits.** If an area of cultural deposits, including but not limited to skeletal remains and grave-related artifacts, traditional cultural sites, religious or spiritual sites, or other artifacts, is discovered during the course of the project, all grading and construction activities in the area of the discovery that have any potential to uncover or otherwise disturb cultural deposits in the area of the discovery and all construction that may foreclose mitigation options or the ability to implement the requirements of this condition shall cease and shall not recommence except as provided in **Subsections e and f** and other subsections of this special condition. In general, the area where construction activities must cease shall be no less than a 200-foot wide buffer around the cultural deposit.

**d. Significance Testing Plan Required Following the Discovery of Cultural Deposits.** PRIOR TO RECOMMENCING CONSTRUCTION, the Permittee, following a discovery of cultural deposits, shall submit a Significance Testing Plan for the review and written approval of the Executive Director. The Significance Testing Plan shall identify the testing measures that will be undertaken to determine whether the cultural deposits are significant. The Significance Testing Plan shall be prepared by the project archaeologist(s), in consultation with the Native American monitor(s), and the Most Likely Descendent (MLD) when State Law mandates identification of a MLD. Once a plan is deemed adequate, the Executive Director will make a determination regarding the significance of the cultural deposits discovered:

- i. If the Executive Director approves the Significance Testing Plan and determines that the Significance Testing Plan's recommended testing measures are de minimis in nature and scope, the significance testing may commence after the Executive Director informs the permittee of that determination;
- ii. If the Executive Director approves the Significance Testing Plan but determines that the measures therein are not de minimis, significance testing may not commence until after the Commission approves an amendment to this permit.
- iii. Once the measures identified in the Significance Testing Plan are undertaken, the permittee shall submit the results of the testing to the Executive Director for review and written approval. The results shall be accompanied by the project archeologist's recommendation as to whether the findings should be considered significant. The project archeologist's recommendation shall be made in consultation with the Native American monitors and the MLD when

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State Law mandates identification of a MLD. If there is disagreement between the project archeologist and the Native American monitors and/or the MLD, both perspectives shall be presented to the Executive Director. The Executive Director shall make the determination as to whether the deposits are significant based on the information available to the Executive Director. If the deposits are found to be significant, the permittee shall prepare and submit to the Executive Director a supplementary Archeological Plan in accordance with **Subsection e** of this condition and all other relevant subsections. If the deposits are found to be not significant by the Executive Director, then the Permittee may recommence grading in accordance with any measures outlined in the Significance Testing Plan.

- e. **Supplementary Archeological Plan Required Following an Executive Director Determination that Cultural Deposits are Significant.** PRIOR TO RECOMMENCING CONSTRUCTION, the Permittee, following a determination by the Executive Director that the cultural deposits discovered are significant, shall submit a ~~Supplementary Archeological Plan for the review and written approval of the Executive Director.~~ The Supplementary Archeological Plan shall be prepared by the project archaeologist(s), in consultation with the Native American monitor(s), the MLD when State Law mandates identification of a MLD, as well as others identified in subsection f of this condition. The supplementary Archeological Plan shall identify proposed investigation and mitigation measures. If there is disagreement between the project archeologist and the Native American monitors and/or the MLD, both perspectives shall be presented to the Executive Director. The range of investigation and mitigation measures considered shall not be constrained by the approved development plan. Mitigation measures considered shall range from in-situ preservation to recovery and/or relocation. A good faith effort shall be made to avoid impacts to cultural resources through methods such as, but not limited to, project redesign, capping, and creating an open space area around the cultural resource areas. In order to protect cultural resources, any further development may only be undertaken consistent with the provisions of the final, approved, Supplementary Archeological Plan.
- i. If the Executive Director approves the Supplementary Archeological Plan and determines that the Supplementary Archeological Plan's recommended changes to the proposed development or mitigation measures are de minimis in nature and scope, construction may recommence after the Executive Director informs the Permittee of that determination.
  - ii. If the Executive Director approves the Supplementary Archeological Plan but determines that the changes therein are not de minimis, construction may not recommence until after the Commission approves an amendment to this permit.
- f. **Review of Plans Required by Archaeological Peer Review Committee, Native American Groups and Agencies.** Prior to submittal to the Executive Director, all plans required to be submitted pursuant to this special condition, including the revised ARP and the monitoring and mitigation plan during project grading, excepting any Significance Testing Plan, shall have received review and written comment by a peer review committee convened in accordance with current professional practice. The Committee

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**NOTICE OF INTENT TO ISSUE PERMIT**

(Upon satisfaction of special conditions)

shall consist of 3 professional archeologists with experience in Los Angeles and/or Orange Counties. Names and qualifications of selected peer reviewers shall be submitted for review and written approval by the Executive Director. The Executive Director shall make a good faith effort to complete the review within 20 working days after submittal to the Executive Director. Representatives of Native American groups with documented ancestral ties to the area, as determined by the NAHC, shall also be invited to review and comment on the above required plans. The plans submitted to the Executive Director shall incorporate the recommendations of the peer review committee and the Native American groups or an explanation provided as to why the recommendations were rejected. Furthermore, upon completion of the peer review and Native American review process, and prior to submittal to the Executive Director, all plans shall be submitted to the California Office of Historic Preservation (OHP) and the NAHC for their review and an opportunity to comment. The plans submitted to the Executive Director shall incorporate the recommendations of the OHP and NAHC. If any of the entities contacted for review and comment do not respond within 30 days of their receipt of the plan, the requirement under this permit for those entities' review and comment shall expire, unless the Executive Director extends said deadline for good cause. All plans shall be submitted for the review and written approval of the Executive Director.

g. **Final Report.** At the completion of the revised ARP and the Archaeological Monitoring and Mitigation Plan, the Permittee shall prepare a report, subject to the review and written approval of the Executive Director, which shall include but not be limited to, detailed information concerning the quantity, types, location, and detailed description of any cultural resources discovered on the project site, analysis performed and results and the treatment and disposition of any cultural resources that were excavated. The report shall be prepared consistent with the State of California Office of Historic Preservation Planning Bulletin #4, "Archaeological Resource Management Reports (ARMR): Recommended Contents and Format". The final report shall be disseminated to the Executive Director and the South Central Coastal Information Center at California State University at Fullerton.

h. The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director determines that no amendment is legally required.

24. **Tribal Culture Education Plan.** PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES ON THE SYNERGY SITE, the Permittee shall submit to the Executive Director for review and written approval a Tribal Culture Education Plan. The Plan shall describe educational materials and activities to be provided at the Visitor's Center to educate visitors about the history and culture of all tribal peoples with a cultural connection to the Los Cerritos Wetlands. The Plan shall seek to include a variety of tribal perspectives and shall be representative and respectful of all tribal peoples. The Plan shall include the following components:

a. The Permittee shall work with tribal representatives to develop an educational plan for the Visitor's Center.

i. The Permittee shall contact all tribal members on the NAHC list to gather feedback on the types of materials, displays, activities or other educational



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- components the tribal members would like include at the Visitor's Center. The Permittee shall provide an adequate amount of time, and no less than 45 days for tribal representatives to respond.
- ii. Based on the feedback received from tribal representatives, the Applicant shall develop a draft Plan describing tribal educational materials and activities to be provided at the Visitor's Center.
  - iii. The Permittee shall submit this Plan to all tribal members on the NAHC list to provide them an opportunity to comment on the draft Plan. The Permittee shall provide an adequate amount of time, and no less than 60 days for tribal representatives to provide comments.
- b. If there is a disagreement among different tribal representatives on the content or types of materials and activities to be included, the Permittee will present different alternatives in the Plan that is submitted to the Executive Director.
  - c. The Plan shall provide for maintenance and upkeep of the educational materials and activities.
  - d. The Plan should include a process to re-evaluate tribal educational materials and activities with interested tribal representatives on the NAHC list every five years.
  - e. The Permittee shall implement the final approved Plan within one year of approval by the Executive Director unless he or she determines that additional time is warranted. Any subsequent changes to the Plan must be submitted to the Executive Director for review and written approval.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

25. **Visual Compensation Plan.** PRIOR TO THE ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Applicant shall submit for Executive Director review and written approval a Visual Compensation Plan to address the adverse visual effects of the proposed project. The Visual Compensation Plan shall include the following:
- a. Descriptions and photographs of existing visual conditions from viewpoints around the project sites and descriptions and visual simulations of conditions expected during typical periods of project construction and operations during the upcoming 20-year project life. The visual simulations are to encompass visual conditions during both maximum and minimum levels of activities at the project sites. [Note: these may be expanded versions of the visual elements provided in the project EIR.]
  - b. Descriptions of the viewsheds from within which the proposed project's components are visible, including aerial views or maps showing the extent of the viewsheds surrounding the project sites.
  - c. Measures proposed to restore and enhance visual quality within visually degraded areas of the nearby coastal zone within these viewsheds. Cumulatively, the measures proposed shall be roughly proportional in scale to the visual components of the proposed project, and/or be visible to a significant portion of the public using the coastal zone in the project vicinity. These measures may include, but not be limited to, any of the following improvements to public views to or along the shoreline:

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(Upon satisfaction of special conditions)

- i. Removing or reducing in size structures that block or inhibit public views to or along the shoreline.
- ii. Adding screening to existing blighted or degraded structures visible from public locations to or along the shoreline.
- iii. Restoring or repairing blighted or degraded structures visible from public locations to or along the shoreline.
- iv. Providing landscape enhancements to areas visible from public locations to or along the shoreline.

For each of these proposed restoration and enhancement measures, the Plan is to include photographs of existing conditions and visual simulations of conditions expected upon implementation of each measure.

- d. A schedule that assures the proposed measures will be implemented in concert with project development.
- e. A description of all approvals and legal instruments needed to implement the proposed measures.
- f. Provision for a final post-implementation report demonstrating the visual improvements achieved by implementation of the visual enhancement measures.

The Permittee shall undertake development in conformance with the approved plans unless the Commission amends this permit or the Executive Director provides a written determination that no amendment is legally required.

26. Indemnification by Permittee. Liability for Costs and Attorney's Fees. By acceptance of this permit, the Applicant/Permittee agrees to reimburse the Coastal Commission in full for all Coastal Commission costs and attorney's fees, including (1) those charged by the Office of the Attorney General, and (2) any court costs and attorney's fees that the Coastal Commission may be required by a court to pay that the Coastal Commission incurs in connection with the defense of any action brought by a party other than the Applicant/Permittee against the Coastal Commission, its officers, employees, agents, successors and assigns challenging the approval or issuance of this permit. The Coastal Commission retains complete authority to conduct and direct the defense of any such action against the Coastal Commission.

November 4, 2021 – Item 7

RESOLUTION 2021 – 13

RESOLUTION OF THE LOS CERRITOS WETLANDS AUTHORITY  
AUTHORIZING THE EXECUTIVE OFFICER TO EXECUTE  
DOCUMENTS NECESSARY TO SATISFY CONDITIONS  
IN THE NOTICE OF INTENT TO ISSUE PERMIT FOR  
COASTAL DEVELOPMENT PERMIT NO. 9-18-0395

WHEREAS, the Los Cerritos Wetlands Authority (LCWA) has been established between the Coastal Conservancy, the San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy, the City of Seal Beach and the City of Long Beach to facilitate the acquisition, protection, conservation, restoration, maintenance and operation an environmental enhancement of the Los Cerritos Wetlands; and

WHEREAS, the LCWA has further been established to focus on projects which will provide open space, habitat restoration, and watershed improvement projects within the Los Cerritos Wetlands; and

WHEREAS, the LCWA entered into an Option Agreement with Los Cerritos Wetlands, LLC on September 2, 2016 and approved a land exchange framework for the 154-acre Synergy Oil Field and the 5-acre LCWA OTD site; and

WHEREAS, the LCWA is a Co-Applicant with Beach Oil Mineral Partners, LLP, for Coastal Development Permit No. 9-18-0395 for the Los Cerritos Wetlands Oil Consolidation and Restoration Project, approved by the Coastal Commission on December 13, 2018 with 25 Special Conditions; and

WHEREAS, this action will authorize the Executive Officer to execute documents reasonably necessary to satisfy the conditions in the Notice of Intent to Issue Permit for Coastal Development Permit No. 9-18-0395; and

WHEREAS, the City of Long Beach, as the lead agency, has completed an Environmental Impact Report in compliance with the California Environmental Quality Act (CEQA) and posted a Notice of Determination on January 24, 2018, for the Los Cerritos Wetlands Oil Consolidation and Restoration Project (SCH Number 2016041083); NOW

Therefore be it resolved that the LCWA hereby:

1. FINDS that this action is consistent with the purposes and objectives of the LCWA.
2. FINDS that the LCWA concurs with the lead agency's determination under CEQA.
3. ADOPTS staff report dated November 4, 2021.

4. AUTHORIZES the Executive Officer to execute documents reasonably necessary to satisfy conditions in the Notice of Intent to Issue Permit for Coastal Development Permit No. 9-18-0395.

~ End of Resolution ~

Passed and Adopted by the Board of the LOS CERRITOS WETLANDS AUTHORITY  
On November 4, 2021

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Suzie Price  
LCWA Board Chair

ATTEST:

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Elizabeth St. John  
Deputy Attorney General

**Los Cerritos Wetlands Authority**

**Date:** November 4, 2021

**To:** Governing Board Members

**From:** Sally Gee, Project Analyst

**Through:** Mark Stanley, Executive Officer

**Subject:** Item 8: Consideration of a resolution authorizing the Executive Officer to commit staff resources to negotiate an agreement and workplan with AES Corporation for their Voluntary Environmental Benefits Grants Program

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**RECOMMENDATION:** That the Los Cerritos Wetlands Authority (LCWA) authorize the Executive Officer to commit staff resources to negotiate an agreement and workplan with AES Corporation for their Voluntary Environmental Benefits Grants Program.

**PROJECT DESCRIPTION:** AES Corporation (AES) committed to investing in additional voluntary environmental benefits for watershed improvements and community benefits for receiving an extension for Once Through Cooling (OTC) operations at the Redondo Beach Generating Station (RBGS). This program is in addition to, and separate from, existing OTC Policy mitigation mandates. AES proposes to grant \$1,000,000 to the LCWA to support planning, engineering, restoration, and rehabilitation of the Los Cerritos Wetlands (LCW) (Exhibit A). Goals of the funding will also support coastal access and science education opportunities at LCW for underserved communities in the region. Staff time is needed to develop an agreement between AES and LCWA to commit the grant funds and to establish a workplan. Elements of the workplan may support existing and new stewardship programs to restore LCW, planning and monitoring for the Southern LCW Restoration Project, and continued care of LCWA owned properties with the goal of watershed improvement and marine life enhancement. The proposed agreement, workplan and financial analysis will be presented to the Board for approval at a later date.

**BACKGROUND:** AES Corporation is a global power generating company and has been providing energy to California for more than 30 years. AES operates several coastal OTC facilities in California, including the Alamitos, Huntington Beach, and Redondo Beach Generation Stations. California's OTC Policy establishes uniform, technology-based standards to reduce harmful effects associated with OTC operations on marine and estuarine life, and AES has been working to upgrade their facilities to phase out OTC. Extreme heat waves in August 2020 that led to rolling blackouts in California prompted the California Public Utilities, California Independent System Operator, and California Energy Commission to conduct a system-wide analysis (stack analysis) of the existing capacity of energy supply to meet forecasted demands. It was determined that the energy supply was insufficient to meet projected demands. On October 19, 2021, the State Water Resource Control Board extended the compliance date to end OTC operations at the RBGS from December 31, 2021, to December 31, 2023, to partially mitigation the shortfall in supply (Exhibit B).

**FISCAL INFORMATION:** Costs will include legal review for the agreement, and consultant time from Tidal Influence staff to establish a workplan. Costs may be funded through lease fees and other revenue.



July 16, 2021

Jeanine Townsend  
Clerk to the Board  
State Water Resources Control Board  
1001 I Street  
Sacramento, CA 95814

Dear Ms. Townsend,

AES appreciates the opportunity to provide comments to the State Water Resources Control Board (“Water Board”) on the proposed amendment to the Water Quality Control Policy on the Use of Coastal and Estuarine Waters for Power Plant Cooling (the “OTC Policy”).

The June 14, 2021 Draft Staff Report on the *Amendment to the Water Quality Control Policy on the Use of Coastal and Estuarine Waters for Power Plant Cooling to Extend the Compliance Schedule for the Redondo Beach Generating Station* (“Draft Staff Report”) and the 2021 Report of the Statewide Advisory Committee on Cooling Water Intake Structures (“2021 SACCWIS Report”) both recommend a two-year extension of the once through cooling (“OTC”) compliance date for Redondo Beach Units 5, 6 and 8 (collectively herein referred to as “Redondo Beach Generating Station or RBGS”) through December 31, 2023. As the SACCWIS and Draft Staff Report states:

*Even with an extension of the Redondo Beach’s compliance date, California may still experience black-outs or brown-outs during times when electrical demand is high and imports are unreliable due to similar high demands in other states or BAAs, such as during extreme and prolonged heat waves. However, this risk would be reduced with the availability of capacity provided by Redondo Beach.<sup>1</sup>*

If the RBGS is needed to operate through December 31, 2023, to support California’s grid reliability, we at AES are committed to ensuring the facility is available. This firm commitment to keep RBGS available on our part assumes the Water Board action is taken by the current schedule of October 19 or sooner to provide adequate time for all parties.

For these reasons and those discussed in our comments below, AES supports the recommendations of the Draft Staff Report and 2021 SACCWIS Report. Specifically, AES requests that the Water Board approve Alternative 1 of the Draft Staff Report, which recommends a two-year extension of the OTC compliance date for the RBGS through December 31, 2023.

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<sup>1</sup> Draft Staff Report, p. 17.

Should the RBGS be granted an OTC extension through December 31, 2023, AES will continue to comply with the provisions of Section 2.C(3)(b) of the OTC Policy and will provide funding for mitigation projects calculated in accordance with Resolution No. 2015-0057. For years 2015-2019, AES has paid more than \$1.1 million in interim mitigation funds for RBGS alone.<sup>11</sup> The draft determination for 2019-2020 will bring the total interim mitigation payments to more than \$1.4 million.<sup>12</sup>

## **VIII. AES Has Committed to an Additional, Voluntary Environmental Benefits Program Through Grants for Watershed Improvement and Under-Served Community Benefits.**

AES is committed to investing in additional, voluntary environmental benefits program for watershed improvements and community benefits if the operations of RBGS are extended through December 31, 2023. We are evaluating investments in three specific established projects that have direct marine life enhancement in marine protected areas near our OTC facilities and that build on existing proven science education and outreach programs in the region's disadvantaged communities. We propose the following investments, in addition to the existing OTC Policy mitigation mandates detailed above, if the RBGS OTC compliance deadline is extended through December 31, 2023.

### **A. Los Cerritos Wetlands.**

AES proposes to grant a total of one million dollars (\$1,000,000) to support the continued development of the Los Cerritos Wetlands, a restoration project managed by the Los Cerritos Wetlands Authority. This project improves the marine areas in our region. The funds will be used to advance the planning, engineering, restoration, and rehabilitation of nearby wetlands. We also will establish programmatic goals to work with the Wetlands Authority to facilitate coastal access and science education opportunities with Tree People and other stakeholders who manage outreach and education programs in the underserved areas of Los Angeles and Orange Counties.

### **B. Tree People Outreach and Education to Support Benefits for Disadvantaged Communities.**

AES proposes to grant a total of two hundred and fifty thousand dollars (\$250,000) to the Tree People to fund outreach and education programs. Tree People has established programs which benefit Los Angeles County's historically disadvantaged and underserved communities. We will establish specific program engagement protocols, with a focus on coastal access and science education and will coordinate with the Los Cerritos Wetlands Authority and other similar projects.

<sup>11</sup> [https://www.waterboards.ca.gov/water\\_issues/programs/ocean/cwa316/interim\\_mitigation.html](https://www.waterboards.ca.gov/water_issues/programs/ocean/cwa316/interim_mitigation.html)

<sup>12</sup> *Id.*

### C. Bolsa Chica Wetlands is An Important Partnership for AES with a Proven Track Record for Land Stewardship and Community Benefits.

AES proposes to grant a total of two hundred and fifty thousand dollars (\$250,000) to fund continued wetland facilities upgrades, and new outreach and education programs at Bolsa Chica Conservancy. The outreach and education programs will be targeted to support underserved communities within Orange County, with a focus on coastal access and science education.

### IX. A Low “Capacity Factor” Does Not Mean an OTC Unit Is Not Needed to Ensure System Reliability.

Some stakeholders have suggested that “low-capacity factor” OTC facilities are not needed. This is incorrect. There is an important distinction between the role of capacity and energy generation in supporting grid reliability. Having low-capacity factor OTC facilities available to support the reliable energy transition may be the difference between meeting electric reliability needs and rolling brownouts or blackouts.

The “capacity factor” of a power plant is the ratio between (1) what a generation unit is theoretically *capable* of generating at maximum output over a set time, versus (2) the unit’s actual generation output over a period of time. There are many important variables. Generators typically do not operate at their full 100% capacity all the time. It is more typical that a generator will ramp up and down to follow electric customer needs, i.e., “load.” A generator’s output will also be less than 100% due to many other factors, such as scheduled maintenance, weather conditions such as wind and sun availability, and ramping up and down as instructed by the electric power grid operator, in this case, the CAISO. For reference, California defines a “baseload” powerplant as one that operates at a 60% capacity factor.<sup>13</sup>

The table below shows the capacity factors of the AES OTC facilities over the last four years. On average, they operated at less than 5% of their potential maximum annual output or capacity factor and last year ran at a 4.9% capacity factor.

Power Plant	2017	2018	2019	2020	4-Yr Average
Alamitos	5.0%	5.6%	3.4%	5.3%	4.8%
Huntington Beach	10.9%	8.5%	5.9%	5.4%	7.7%
Redondo Beach	4.5%	2.4%	1.7%	4.1%	3.2%
Total (Weighted)	5.5%	4.8%	3.1%	4.9%	5.6%

<sup>13</sup> Cal. Pub. Util. Code § 8340(a): “Baseload generation” means electricity generation from a powerplant that is designed and intended to provide electricity at an annualized plant capacity factor of at least 60 percent.”

**STATE WATER RESOURCES CONTROL BOARD  
BOARD HEARING/MEETING SESSION – DIVISION OF WATER QUALITY  
OCTOBER 19, 2021**

**ITEM 8**

**SUBJECT**

CONSIDERATION OF ADOPTION OF AN AMENDMENT TO THE WATER QUALITY CONTROL POLICY ON THE USE OF COASTAL AND ESTUARINE WATERS FOR POWER PLANT COOLING TO REVISE THE COMPLIANCE SCHEDULE FOR REDONDO BEACH GENERATING STATION

**DISCUSSION**

This is a combined hearing and consideration of adoption meeting for an amendment to the statewide Water Quality Control Policy on the Use of Coastal and Estuarine Waters for Power Plant Cooling (Once-Through Cooling or OTC Policy). The OTC Policy establishes uniform, technology-based standards to implement Clean Water Act section 316(b) with the goal of reducing harmful effects associated with cooling water intake structures on marine and estuarine life.

If approved, the proposed amendment would extend the compliance date of Redondo Beach Generating Station Units 5, 6, and 8 for two years, from December 31, 2021, to December 31, 2023, to address statewide grid reliability concerns.

The compliance date extension is needed to help fill a projected energy supply shortfall in 2022 and compensate for uncertainty of the grid's reliability in 2023. The compliance date extension is the preferred recommendation of the Statewide Advisory Committee on Cooling Water Intake Structures (SACCWIS), as described in the committee's Final 2021 Report of the SACCWIS. The OTC Policy requires the SACCWIS to periodically convene to evaluate the compliance schedule to ensure that implementation of the OTC Policy will not cause disruption to the State of California's electrical grid.

Staff will give a short presentation on the amendment, comments received during the public comment period, and responses to those comments.

**POLICY ISSUE**

In August 2020, large portions of the western United States encountered extreme heat conditions that led to a series of rotating blackouts throughout California. The California Public Utilities Commission, California Independent System Operator, and California Energy Commission subsequently conducted a system-wide analysis, or stack analysis, to compare forecasted demand to the capacity of all existing resources and resources expected to be online in 2022. This stack analysis demonstrated that energy supply is insufficient to meet projected demand. By extending the compliance date of Redondo Beach Generating Station Units 5, 6, and 8, energy provided by the units will partially mitigate the shortfall.

Additionally, the stack analysis pointed to several uncertainties that necessitate an extension of Redondo Beach Generating Station's compliance date through December 31, 2023. These uncertainties are associated with proposed procurement and demand, availability of energy imports from other states, power plant performance, planning and market process changes, droughts, wildfires, and other weather and climate change-associated conditions.

### **FISCAL IMPACT**

If the compliance date for Redondo Beach Generating Station Units 5, 6, and 8 is extended, operation of the facility would likely provide revenue to the owner and operator. The owner and operator are also anticipated to incur expenses for maintaining trained staff and resources to continue operations and interim mitigation payments for up to two years beyond December 31, 2021. The costs described above are considered as cost of compliance with the OTC Policy and are consistent with those discussed in the May 4, 2010 *Final Substitute Environmental Document* for the OTC Policy.

The amendment would cause the Los Angeles Regional Water Board to incur expenses to update Redondo Beach's Time Schedule Order; however, this impact is expected to be absorbed by current program funding.

### **REGIONAL BOARD IMPACT**

The National Pollution Discharge Elimination System (NPDES) issued to Redondo Beach Generating Station by the Los Angeles Regional Water Quality Control Board (Los Angeles Regional Water Board) was scheduled to expire on September 30, 2021. Upon submission of a complete Report of Waste Discharge on April 1, 2021, the NPDES permit is administratively extended as confirmed by the Los Angeles Regional Water Board on April 29, 2021. The associated Time Schedule Order will expire on December 31, 2021. The Los Angeles Regional Water Board is considering whether to adopt a new or revised Time Schedule Order for Redondo Beach concurrently with this amendment.

### **STAFF RECOMMENDATION**

Staff recommend that the State Water Board adopt the proposed amendment to the OTC Policy and staff report consistent with alternative 1 in Section 6 of the staff report.



November 4, 2021 – Item 8

RESOLUTION 2021 – 14

RESOLUTION OF THE LOS CERRITOS WETLANDS AUTHORITY  
AUTHORIZING THE EXECUTIVE OFFICER TO COMMIT STAFF RESOURCES  
TO NEGOTIATE AN AGREEMENT AND WORKPLAN WITH AES CORPORATION FOR  
THEIR VOLUNTARY ENVIRONMENTAL BENEFITS GRANT PROGRAM

WHEREAS, the Los Cerritos Wetlands Authority has been established between the Coastal Conservancy, the San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy, the City of Seal Beach and the City of Long Beach to facilitate the acquisition, protection, conservation, restoration, maintenance and operation an environmental enhancement of the Los Cerritos Wetlands; and

WHEREAS, the LCWA has further been established to focus on projects which will provide open space, habitat restoration, and watershed improvement projects within the Los Cerritos Wetlands; and

WHEREAS, AES Corporation (AES) committed to investing in additional voluntary environmental benefits for watershed improvements and community benefits for receiving an extension for Once Through Cooling (OTC) operations at the Redondo Beach Generating Station (RBGS); and

WHEREAS, AES proposes to grant \$1,000,000 to the LCWA to support planning, engineering, restoration, and rehabilitation of the Los Cerritos Wetlands; and

WHEREAS, this LCWA desires to enter in to an agreement with AES to commit the grant funds and establish a workplan to support rehabilitation of the Los Cerritos Wetlands; and

WHEREAS, this action is exempt from the environmental impact report requirements of the California Environmental Quality Act (CEQA); NOW

Therefore be it resolved that the LCWA hereby:

1. FINDS that this action is consistent with the purposes and objectives of the LCWA.
2. FINDS that the actions contemplated by this resolution are exempt from the environmental impact report requirements of the California Environmental Quality Act.
3. ADOPTS staff report dated November 4, 2021.
4. AUTHORIZES the Executive Officer to commit staff resources to negotiate an agreement and workplan with AES Corporation for their Voluntary Environmental Benefits Grant Program.

~ End of Resolution ~

Passed and Adopted by the Board of the LOS CERRITOS WETLANDS AUTHORITY  
On November 4, 2021

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Suzie Price  
LCWA Board Chair

ATTEST:

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Elizabeth St. John.  
Deputy Attorney General