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Docket Number:	99-AFC-05C
Project Title:	Otay Mesa Compliance
TN #:	230925
Document Title:	Request for Approval of Disbursement of Funds from the Quino Checkerspot Butterfly Endowment
Description:	Request for Approval of Disbursement of Funds from the Quino Checkerspot Butterfly Endowment, Otay Mesa Energy Center (99-AFC-05C)
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Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	12/2/2019 10:10:44 AM
Docketed Date:	12/2/2019

Memorandum

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Date: November 26, 2019

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Subject: **Request for Approval of Disbursement of Funds from the Quino Checkerspot Butterfly Endowment, Otay Mesa Energy Center (99-AFC-05C)**

Staff is requesting California Energy Commission (CEC) approval of the disbursement of \$25,875.97 from the Quino Checkerspot Butterfly Endowment to pay for work related to the San Diego National Wildlife Refuge Quino Checkerspot Butterfly Augmentation Project. Condition of Certification BIO-11 in the Final Commission Decision for the Otay Mesa Energy Center (99-AFC-05C) requires that the CEC and United States Fish and Wildlife Service (USFWS) decide how to distribute endowment funds for the benefit of the Quino checkerspot butterfly and its management. The funds would be for RECON Environmental to conduct vegetation treatment to prepare a site for Quino checkerspot butterfly release. Staff has reviewed the proposal and determined that this expenditure meets the requirements of BIO-11 and would benefit the Quino checkerspot butterfly. The proposal would not have the potential to result in any significant adverse environmental impact and would be categorically exempt under the California Environmental Quality Act (CEQA). The USFWS supports the current expenditure proposal and will consider formal approval of the expenditure once approved by the CEC.

Background

In April 2001, the CEC approved the Otay Mesa Energy Center, a 510 megawatt, natural gas-fired combined-cycle power plant in San Diego County. To mitigate significant impacts from the facility's air emissions on the federally endangered Quino checkerspot butterfly (*Euphydryas editha quino*), the CEC imposed Condition of Certification BIO-11, establishing the Otay Mesa Project Quino Checkerspot Butterfly Endowment. The primary purpose of the endowment is to benefit the Quino checkerspot butterfly in southern San Diego County. As of October 30, 2019, there is \$103,291.52 in the endowment fund held by the San Diego Foundation.

In 2018, staff requested disbursement of \$21,130.62 to pay RECON Environmental to conduct vegetation treatment to prepare a site for Quino checkerspot butterfly release in support of the San Diego National Wildlife Refuge Quino Checkerspot Butterfly Augmentation Project. This project contributes to the recovery of the Quino checkerspot butterfly by increasing the number of stable populations and total number of individuals of this species in the San Diego National Wildlife Refuge. It also helps improve captive breeding protocols for this species, which is transferable to future augmentation efforts required at other locations for subspecies recovery. The augmentation project was approved by the USFWS and has been in effect as of 2016 and is ongoing until at least 2020. Based on staff's recommendation, the CEC approved the expenditure of \$21,130.62 at the December 10, 2018 Business Meeting. With the funds,

RECON Environmental completed three rounds of treatment on a 5-acre plot. When released early next year, staff will receive a copy of the 2019 Annual Report for the San Diego National Wildlife Refuge Quino Checkerspot Butterfly Augmentation Project, which will describe the work completed by RECON Environmental in 2018.

On October 23, 2019, staff was contacted by Dr. Eric Porter of the USFWS Carlsbad Fish and Wildlife Office, which is leading the San Diego National Wildlife Refuge Quino Checkerspot Butterfly Augmentation Project, to request disbursement of \$25,875.97 (Labor: \$24,975.97; Expenses: \$900) of endowment funds for RECON Environmental to again conduct vegetation treatment to prepare a site for Quino checkerspot butterfly release. The goal is to reduce the weed and thatch cover to provide space for growth of host plants and room for Quino larvae to bask and move within the environment. Work will entail hand removal and hand spraying of herbicide to remove invasive non-native species. Work will specifically focus on areas without host plants, and Quino would be expected to be nearby in existing patches of host plants. Although another sensitive species is nearby (e.g. coastal California gnatcatchers), the nature of the work would not disturb this species. There is also a sensitive plant species in the area, Varied dudleya (*Dudleya variegata*) but these will be flagged and avoided.

RECON Environmental has extensive experience successfully restoring Quino checkerspot butterfly habitat, primarily in the Southwest San Diego Recovery Unit of the San Diego National Wildlife Refuge, where the restoration work is proposed. RECON Environmental authored the Habitat Restoration Methods section in the USFWS's Recovery Plan for Quino Checkerspot Butterfly. As noted above, work to reduce the weed and thatch cover would employ measures to avoid impacts to the Quino checkerspot butterfly and other listed or sensitive plant and animal species.

Staff concludes that there is no possibility that this activity may have a significant effect on the environment. Additionally, the activity would be considered a Class 7 activity pursuant to Title 14, California Code of Regulations, section 15307, and thus subject to an exemption from CEQA as an action taken by a regulatory agency to assure the maintenance, restoration, or enhancement of a natural resource. No exception to this exemption applies.