

**NA PUA MAKANI  
WIND ENERGY PROJECT**

**HCP Annual Report FY 2019**

**(July 1, 2018 – June 30, 2019)**

**Incidental Take License: ITL-21**

**Incidental Take Permit: TE63452B-0**

*Prepared for*

**Na Pua Makani Power Partners, LLC**

*Prepared by*

**Tetra Tech Inc.**



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## 1.0 Introduction

Na Pua Makani Power Partners, LLC (Na Pua Makani) has developed a Habitat Conservation Plan (HCP; Tetra Tech 2016) and received a U.S. Fish and Wildlife Service (USFWS) incidental take permit on September 7, 2018 (ITP; TE63452B-0) and the Hawai'i Department of Land and Natural Resources, Division of Forestry and Wildlife (DOFAW) incidental take license on April 30, 2019 (ITL; ITL-21). Covered Species include the Hawaiian hoary bat (*Lasiurus cinereus semotus*), Newell's shearwater (*Puffinus newelli*), Hawaiian goose (*Branta sandvicensis*), Hawaiian duck (*Anas wyvilliana*), Hawaiian coot (*Fulica alai*), Hawaiian moorhen (*Gallinula chloropus sandvicensis*), Hawaiian stilt (*Himantopus mexicanus knudseni*), and Hawaiian short-eared owl (*Asio flammeus sandwichensis*). This report covers activities relating to the Na Pua Makani Wind Energy Farm (Project) HCP for the State of Hawai'i fiscal year (FY) 2019, from July 1, 2018 through June 30, 2019, pursuant to the terms and obligations of the approved HCP, ITL, and ITP.

## 2.0 Construction

Construction of the Project began in FY 2019. The Project began pouring of the first foundation on April 30, 2019. The Project did not install any vertical components in FY 2019. Three temporary meteorological towers were removed in FY 2019.

## 3.0 Wildlife Education and Incidental Reporting

Na Pua Makani implemented a Wildlife Education and Incidental Reporting Program for contractors and Project staff working at the Project during construction. This training enables contractors and staff to identify the Covered Species that may occur at the Project site by providing staff with printed reference materials that include photographs of each of the Covered Species, information on their biology and habitat requirements, threats to the species onsite, and avoidance and minimization measures of the HCP. Project staff and contractors are responsible for awareness of wildlife activity onsite, and responding to and treating wildlife appropriately. Project personnel and contractors are responsible for documenting any Project-related wildlife incidents and reporting any downed wildlife to the on-site manager. No incidental observations were reported in FY 2019.

Additionally, the Project developed an invasive species management plan to limit the potential impacts of invasive species. Consistent with HCP requirements, Na Pua Makani coordinated with the Oahu Invasive Species Committee to identify and implement measures to minimize the risk of introducing *Chromolaena odorata* to the Project area. Approaches to minimize risk include periodic site inspections by qualified personnel to search for the presence of plants and cleaning of equipment used in the Project area.

## **4.0 Fatality Monitoring**

The Project will initiate standardized carcass searches upon the start of commercial operations. No fatalities were observed in FY 2019.

## **5.0 Mitigation**

No mitigation activities were conducted in FY 2019.

## **6.0 Adaptive Management**

No adaptive management measures were implemented in FY 2019. There were no changed or unforeseen circumstances in FY 2019.

## **7.0 Meetings**

Na Pua Makani and Tetra Tech coordinated with USFWS and DOFAW in FY 2019 regarding the initiation of construction and other Project related elements as needed, and anticipates more extensive coordination and meetings in FY 2020 as the Project moves from construction to operations and more elements of the HCP are implemented.

## **8.0 Expenditures**

Total HCP-related expenditures for the Project in FY 2019 were \$104,672. These expenditures covered the development and implementation of the wildlife education and incident reporting program and the invasive species management program.

## **9.0 References**

Tetra Tech (Tetra Tech, Inc.). 2016. Na Pua Makani, Final Habitat Conservation Plan. Document prepared for Na Pua Makani, LLC.