

December 19, 2023

Memo: Updated Emissivity Grid Recommendations

From: Scientific Advisory Group (SAG)

To: Jon O'Brien, California Department of Parks and Recreation
Karl Tupper, San Luis Obispo Air Pollution Control District

Cc: Sarah Miggins, California Department of Parks and Recreation
Gary Willey, San Luis Obispo Air Pollution Control District

The Scientific Advisory Group (SAG) is pleased to be forwarding its recommendations for an updated emissivity grid to be used to model excess emissions from the Oceano Dunes State Vehicular Recreation Area (ODSVRA). Accompanying this letter are two documents. The first is entitled ***Updated SAG Recommendations for Establishing Emissivity Grids to be used in Modeling of Pre-Disturbance Conditions and Future Excess Emissions Reductions*** (December 19, 2023) and it presents a complete analysis of PI-SWRL measurements collected in the period 2013-2022. This document also presents the proposed zonation and power relations that are the basis for the emissivity grids to be used to quantify mass emissions for the pre-disturbance (1939) and current (2024 and beyond) landscape scenarios. The second document is entitled ***Reply to Comments from APCD and CDPR on SAG Proposed Emissivity Grids Document of June 21, 2023*** (December 19, 2023) in which the SAG provides a series of responses to comments made on the original SAG proposal for emissivity grids.

As per Section 3.a. of the Conditional Approval of the California Department of Parks and Recreation 2023 Annual Report and Work Plan (outlined in a document dated October 18, 2023 from Gary Willey, APCO, to Sarah Miggins, DD),

"State Parks shall work with the SAG to finalize the SAG-recommended emissivity grid to be used for determining compliance with the SOA emissions reduction goal. This recommendation shall be presented to the Air Pollution Control Officer (APCO) by February 1, 2024, and shall include a statement of concurrence from the SAG..."

In the accompanying documents, the SAG has presented its final recommendations for model emissivity grids. **Two action items remain outstanding: (1) CDPR needs to notify APCD of its concurrence with the SAG recommendations before February 1, 2024; and (2) APCD needs to approve the final set of emissions assumptions as recommended by SAG and approved by CDPR before February 14, 2024.**

Respectfully,

The Scientific Advisory Group

Bernard Bauer (Chair), Carla Scheidlinger (Vice-Chair), Mike Bush, Jack Gillies, Jenny Hand, Leah Mathews, Ian Walker