

AECOM

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DOCKET 09-AFC-7

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February 12, 2010

Ms. Susan Sanders
California Energy Commission
1516 Ninth Street
Sacramento, California 95814

Dear Ms. Sanders:

Subject: Solar Millennium Palen Solar Power Project (09-AFC-7) – Revised Habitat Mitigation and Monitoring Plan Impacts and Compensation Tables

On behalf of Solar Millennium, Inc., AECOM has prepared updated habitat impact numbers for the Palen Solar Power Project to reflect removal of the substation from the impact and mitigation calculations. At the request of the California Department of Fish and Game, this information is being provided to you in the form of updated tables for the Habitat Mitigation and Monitoring Plan submitted as part of the Data Responses, dated January 4, 2010. The attached memo presents the revised tables.

This memo is also being submitted directly to the CDFG per the request of Magdalena Rodriguez via email.

Please let us know if you have any questions.

Sincerely,



Jennifer Guigliano
AECOM

Attachments

Memo to Alice Harron from Jennifer Guigliano RE: Solar Millennium Palen Solar Power Project – Revised Habitat Mitigation and Monitoring Plan Impacts and Compensation Tables

cc: Alice Harron, Solar Millennium
Scott Galati, Solar Millennium Counsel
Mark Luttrell, AECOM
Bill Graham, AECOM
Cecilia Meyer Lovell, AECOM

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Memorandum

Date: February 12, 2010
To: Alice Harron, Solar Millennium
From: Jennifer Guigliano, AECOM
Subject: Solar Millennium Palen Solar Power Project – Revised Habitat Mitigation and Monitoring Plan Impacts and Compensation Tables

Distribution: Scott Galati, Counsel
Mark Luttrell, AECOM
Bill Graham, AECOM
Leo Edson, AECOM
Cecilia Meyer Lovell, AECOM
Angie Harbin-Ireland, AECOM

This memorandum is intended to update the jurisdictional waters and sensitive species impacts tables and compensation tables included in the Habitat Mitigation and Monitoring Plan for the Palen Solar Power Project (PSPP). Previously, impacts associated with the substation were included in the impacts and compensation tables. The impacts associated with the substation and the compensatory mitigation are the responsibility of the Los Angeles Department of Water and Power (LADWP). These tables reflect the removal of the substation impacts and resulting compensation from these calculations.

PSPP Revised HMP Tables

TABLE 1. PERMANENT IMPACTS TO STATE JURISDICTIONAL WATERS

State Jurisdictional Waters	Indirect Impacts (acres)	Direct Impacts (acres)	Total Permanent Impacts
Desert Dry Wash Woodland	27.5	135.4	162.9
Unvegetated Ephemeral Dry Wash	33.6	161.8	195.4
Total	61.1	297.2	358.3

TABLE 2. IMPACTS TO MOJAVE DESERT TORTOISE HABITAT

Species	Total Impact (acres)	Low Quality Habitat (acres)	Moderate Quality Habitat (acres)
Desert Tortoise: Critical Habitat	184.3	183.1	1.2
Desert Tortoise: Outside Critical Habitat	3,689.7	3,688.7	1.0
Total Impact (acres)	3,874	3,871.8	2.2

TABLE 3. SUMMARY OF PROPOSED COMPENSATORY MITIGATION FOR PSPP

Resource		Impact Acreage or Linear Feet			Mitigation Proposal	
		Total Impact	Impact by Quality		Ratio	Acreage or Acreage Equivalent
Desert Tortoise (DT)	Desert Tortoise Critical Habitat	184.3 acres	H	1.2	5:1	6
			L	183.1	1:1	183.1
	Outside Desert Tortoise Critical Habitat	3,689.7 acres	H	1.0	1:1	1.0
			L	3,688.7	0.5:1	1,844.4
Total:		3,874 acres			NA	2,034.5
Mohave Fringe Toed Lizard (MFTL)		1,735.3 acres			1:1	1,735.3
Western Burrowing Owl (WBO) ¹		2 pairs; 4 individuals			6.5 ac each ²	39
Jurisdictional Waters	Desert dry wash woodland	162.9 acres			2:1	325.8
	Unvegetated ephemeral dry wash	195.4 acres			1:1	195.4
	Total:	358.3³ acres			NA	521.2
TOTAL		NA⁴			NA⁵	

NOTES

^{NA} Not Applicable

^H Higher Quality Habitat (habitat that would necessitate higher mitigation ratios within the category)

^L Lower Quality Habitat (habitat that would justify lower mitigation ratios within the category)

¹ Mitigation will also need to include the replacement (construction) of burrows at 2:1 ratio (2 burrows created for each burrow impacted).

² Acres per pair or individual. This ratio assumes project proponent will find occupied habitat.

³ Acreage total includes direct and indirect impacts.

⁴ The total impact/mitigation acreage is not provided because it is not additive. The mitigation acreage/fee would not be additive where multiple species and habitat exist on site, or where conservation areas for species overlap (p. 2-35, WEMO BLM):

⁵ Mitigation will be achieved by a combination of land acquisition and a fee program (payment of a acreage based fee) to be determined in coordination with the agencies.