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December 26, 2018

Karen L. Larsen  
Director  
State Water Resources Control Board  
1001 I Street  
Sacramento, CA 95814

**RE: Once-Through Cooling Interim Mitigation Requirements for the Redondo Beach Generating Station**

Dear Ms. Larsen,

This letter is in response to your October 29, 2018 correspondence requesting information for determining interim mitigation fees for Once-Through Cooling (OTC) impingement and entrainment impacts at the AES Redondo Beach Generating Station (AES-RB). As stated in your letter, you requested the following information:

1. Monthly and total intake volume for October 1, 2017, through September 30, 2018; and
2. Actual annual impingement data in total pounds from October 1, 2017 through September 30, 2018, or newly available impingement data since October 1, 2017.

Our responses to your data requests are detailed below:

**1. Monthly and total intake volume for October 1, 2017 through September 30, 2018**

Intake volumes for AES-RB are listed in the table below:

Month	Intake Volume Units 5&6 <sup>1</sup> (MGD)	Intake Volume Units 7&8 <sup>2</sup> (MGD)	Intake Volume Total AES-RB (MGD)
October-17	2014.65	5,000.31	7,014.96
November-17	1,662.09	35.55	1,697.64
December-17	1,836.38	20.70	1,857.08
January-18	414.69	52.18	466.87
February-18	812.51	0.00	812.51
March-18	515.48	0.00	515.48

<sup>1</sup> Discharges to EFF-001

<sup>2</sup> Discharges to EFF-002

April-18	366.30	0.00	366.30
May-18	1,351.98	3,338.87	4,690.84
June-18	2,733.93	814.32	3,548.25
July-18	4,212.57	10,834.34	15,046.92
August-18	2,941.71	8,396.74	11,338.46
September-18	626.85	1,809.10	2,435.95
<b>Totals</b>	<b>19,489.14</b>	<b>30,302.11</b>	<b>49,791.26</b>

There were no days during the period October 2017 through September 2018 when intake volume data was not available. Intake pumps were operational during the entire period.

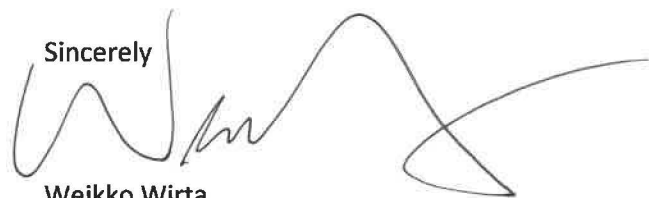
**2. Actual annual impingement data in total pounds of fishes impinged**

Impingement data collected each month from October 1, 2017 through September 30, 2018 were used to calculate the total pounds impinged at Units 5 & 6 and Units 7 & 8. Flow data is included for the operating units for the period from October 1, 2017 through September 30, 2018.

The total fish impingement biomass from October 1, 2017 to September 30, 2018 is:

- Units 5 & 6 Intake (to discharge EFF-001) = 0.0 lbs
- Units 7 & 8 Intake (to discharge EFF-002) = 18.019 lbs
- AES-RB Station Total Estimate = 18.019 lbs

If you have questions regarding this submittal, please contact Coury McKinlay, AES Southland Environmental Manager at (562) 493-7863 or [coury.mckinlay@aes.com](mailto:coury.mckinlay@aes.com).

Sincerely  


Weikko Wirta  
 AES West Complex Operations Manager