

Southern California Edison

WSD-011 – Resolution implementing the requirements of Public Utilities Code Sections 8389(d)(1), (2) and (4) related to catastrophic wildfire caused by electrical corporations subject to the Commission’s regulatory authority

DATA REQUEST SET W S D - S C E - 0 0 4

To: WSD

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Received Date: 3/12/2021

Response Date: 3/17/2021

Question 014 b - d:

: SCE states (p. 188): “As the WRRM is now implemented, SCE will no longer list RA-1 as a WMP Activity.”

14(b). Where will improvements and maintenance to the system/process be accounted for?

14(c). RA-1 does not appear in Table 12. Is RA-1 accounted for under SA-4 in 2021 WMP Table 12?

14(d). RA-1 and SA-4 appear together in 2020 WMP Table 22. In the 2020 WMP, the expected cost was estimated to be \$6,682,000 in capital costs, in the 2021 WMP, the actual was recorded as \$1,029,000 in operational costs. Was this money reallocated? What accounts for the change from capital to operational costs?

Response to Question 014 b - d:

14(b). In the 2021 WMP, SCE included the annual licensing costs of the WRRM in Initiatives SA-3 and SA-4. The annual licensing costs were included in these two initiatives because RA-1 was completed and these two initiatives also support WRRM usage. Pursuant to a previous WSD request, SCE allocated a portion of these costs to the Risk Assessment and Mapping category within 7.3.1.1, 7.3.1.3, and 7.3.1.5 (Please also see the attached Excel file). Going forward, these annual licensing costs will be reported in the relevant Risk Assessment and Mapping section. The other Fire Science and Advanced modeling sub activities will be captured within Situational Awareness under their related Initiative similar to 2021.

14(c). RA-1 was not an activity in the 2021 WMP as implementation was completed in 2020.

14(d). Please note that the \$6.682 million is incorrect. The correct amount is \$6.692 million as reported in the 2020 WMP. Additionally, the referenced \$1.029M is O&M costs but for a different activity. The 2020 WMP costs previously captured in RA-1 are now grouped with sub-activities in SA-3 and SA-4.¹ SCE is providing a table (below) with cost details and a description to explain the \$6.692 million and the \$1.029M and their correlation from the 2020 WMP to the 2021 WMP Update.

The 2020 estimated costs were **\$6.692M** in Capital.² This forecast consisted of 2 activities:

¹ See Reference "0" in Table 1.

² See Reference "1" in Table 1.

- Asset Risk Modeling (ARRA) Technology Solution was forecast at **\$3.9M**³
 - The program recorded **\$3.8M** in 2020. As seen in the table below, SCE included \$1.5M for 2020 recorded (See the second number 2 reference in the table). SCE inadvertently under reported an additional \$2.3M due to accounting. This will be revised in subsequent WMP and Table revisions to show a total of \$3.8M for 2020 recorded for this technology solution.⁴
- Operational Analytics Technology Solution was forecast at **\$2.7M**⁵
 - The program recorded **\$2.7M** in 2020.⁶
 - The 2020 estimate was a conceptual estimate given that the vendors and solution were not finalized at the time of the 2020 WMP filing. The 2020 recorded spending underrun was due to SCE completing the original scope of work under forecast. This 2020 recorded amount is included in the number 3 reference in the table below.
 - In the 2021 WMP, SCE added incremental scope of work to procure two additional super computers which were not reflected in the 2020 WMP. The 2021 forecast of \$1.5M and the 2022 forecast of \$700K included in the 2021 WMP are to support the new super computers which are needed to provide a 1 km resolution, rather than a 2 km resolution, to support the configuration, installation, and new integration with the wildfire risk modeling.

The **\$1.029M** recorded amount is related to a separate O&M activity entitled "Surface and Canopy Fuels Mapping," not to be confused with the two unrelated capital activities referenced above. The 2020 WMP forecast for this activity was **\$1.38M**.⁷ See reference number 4 in the table below.

There was no reallocation of costs. The question posed is mixing capital activities in SA-3⁸ with Operational activities in SA-4.⁹ The activities and associated costs in SA-3 and SA-4 are unrelated to each other. There was also no change from Capital to Operational costs that took place, as noted above. Please see the table below for references and please note the second column references specifying whether activities are Capital or O&M.

³ See Reference "1" in Table 1.

⁴ See Reference "2" in Table 1.

⁵ See Reference "1" in Table 1.

⁶ See Reference "3" in Table 1.

⁷ See Reference "4" in Table 1.

⁸ See References "1, 2, and 3" in Table 1.

⁹ See Reference "4" in Table 1.

Table 1

Date	Deliverable Data															2020 WMP Identifier	2021 WMP Identifier	2021 WMP - WSD Initiative #	Mitigation
OU	CAP /O&M	Activity	Sub-Activity	Detailed Deliverable Name	2020 (Nominal) PY Filing	2021 (Nominal) PY Filing	2022 (Nominal) PY Filing	2020 Actuals (Nominal\$)	2021 (Nominal\$)	2022 (Nominal\$)	2020 WMP Identifier	2021 WMP Identifier	2021 WMP - WSD Initiative #	Mitigation					
SS&BR	CAP	Fire Science & Advanced Modeling	Advanced Modeling Computer Hardware	Fire Science & Advanced Modeling Computer Hardware	\$ 799.55	1,102.47	\$ 1,835.92	\$ 2,300	\$ 2,002	\$ -	SA-4	SA-3	7.3.2.6.1	Situational Awareness					
SS&BR	O&M	Fire Science & Advanced Modeling	Advanced Modeling Computer Hardware	Fire Science & Advanced Modeling Computer Hardware	\$ 1,657.06	1,796.91	\$ -	\$ 1,606	\$ 1,917	\$ 1,486	SA-4	SA-3	7.3.2.6.1	Situational Awareness					
SS&BR	O&M	Fire Science & Advanced Modeling	Weather and Fuels Modeling	Weather and Fuels Modeling (O&M)	\$ -	\$ -	\$ -	\$ 19	\$ 1,797	\$ 1,682	SA-2	SA-3	7.3.2.6.1	Situational Awareness					
IT	CAP	Fire Science & Advanced Modeling	Asset Risk Modeling	Asset Risk Modeling (CAP)	\$ 3,965.69	\$ -	\$ -	\$ 1,536	\$ 2,250	\$ -	SA-5	SA-3	7.3.2.6.1	Situational Awareness					
SS&BR	O&M	Fire Science & Advanced Modeling	Operational Analytics	Operational Analytics (CAP)	\$ 2,726.49	\$ -	\$ -	\$ 271	\$ 1,500	\$ 700	SA-5	SA-3	7.3.2.6.1	Situational Awareness					
SS&BR	O&M	Fire Science & Advanced Modeling	High Resolution Weather Remote Sensing	High Resolution Weather Remote Sensing (CAP)	\$ -	\$ -	\$ -	\$ 33	\$ -	\$ -	SA-7	SA-3	7.3.2.6.1	Situational Awareness					
SS&BR	O&M	Fire Science & Advanced Modeling	Surface and Canopy Fuels Mapping	Surface and Canopy Fuels Mapping (Satellite)	\$ 1,534.13	1,827.80	\$ -	\$ -	\$ 1,467	\$ 1,711	SA-8	SA-7	7.3.2.4.1	Situational Awareness					
SS&BR	O&M	Fire Science & Advanced Modeling	Fuel Sampling Program	Fuel Sampling Program	\$ 631.82	208.89	\$ 645.23	\$ 193	\$ 320	\$ 604	SA-6	SA-4	7.3.2.4.1	Situational Awareness					
SS&BR	O&M	Fire Science & Advanced Modeling	Fire Science Enhancements	Fire Science Enhancements	\$ 1,534.13	\$ -	\$ -	\$ 414	\$ 891	\$ 500	SA-9	SA-5	7.3.2.4.1	Situational Awareness					
IT	O&M	Fire Science & Advanced Modeling	Asset Risk Modeling	Asset Risk Modeling (O&M)	\$ -	\$ -	\$ -	\$ -	\$ 338	\$ 300	#N/A	SA-3	7.3.2.6.1	Situational Awareness					
SS&BR	CAP	Fire Science & Advanced Modeling	Weather and Fuels Modeling	Weather and Fuels Modeling (CAP)	\$ -	\$ -	\$ -	\$ -	\$ 800	\$ -	#N/A	SA-3	7.3.2.6.1	Situational Awareness					
SS&BR	O&M	Fire Science & Advanced Modeling	Fire Spread Modeling	Fire Spread Modeling	\$ -	\$ -	\$ -	\$ -	\$ 1,157	\$ 428	SA-4	SA-4	7.3.2.6.1	Situational Awareness					
IT	O&M	Fire Science & Advanced Modeling	Operational Analytics	Operational Analytics (O&M)	\$ -	\$ -	\$ -	\$ -	\$ 200	\$ 200	#N/A	SA-3	7.3.2.6.1	Situational Awareness					

\$ 3,966	1
\$ 2,726	
\$ 6,692	