

Southern California Edison
2023-WMPs – 2023-WMPs

DATA REQUEST SET O E I S - P - W M P _ 2 0 2 3 - S C E - 0 0 9

To: Energy Safety
Prepared by: Scott Scudder
Job Title: Senior Manager
Received Date: 6/27/2023

Response Date: 6/30/2023

Question 01:

Regarding Palantir Foundry:

a. Please explain SCE's Palantir Foundry system and how it interacts with its Emergency Outage Notifications System (EONS) for PSPS events. Information to provide should include:

I. When did SCE begin using Palantir as a fully implemented system?

II. When did SCE begin using EONS?

III. What is the relationship between Palantir and EONS?

IV. If the Palantir/EONS combination has been utilized for a PSPS event, explain SCE's experience with the combined system for each PSPS event it was used for.

V. How has the addition of Palantir changed SCE's PSPS communications process? For partners? For customers? For the AFN community?

VI. If the Palantir/EONS combination has not yet been utilized, explain what Palantir/EONS testing results have shown.

VII. How does the addition of Palantir change SCE's PSPS communications process? For partners? For customers? For the AFN community?

VIII. What challenges has SCE experienced with Palantir?

IX. What further improvements are needed in their combined interaction, if any.

Response to Question 01:

a. *Please explain SCE's Palantir Foundry system and how it interacts with its Emergency Outage Notifications System (EONS) for PSPS events. Information to provide should include:*

I. When did SCE begin using Palantir as a fully implemented system?

SCE began the engagement with Palantir in 2021 and started to use the system during PSPS events in 2022.

II. When did SCE begin using EONS?

SCE started using EONS in 2019 to facilitate PSPS notifications.

III. What is the relationship between Palantir and EONS?

Palantir develops the notification campaigns (who to send to and when) and EONS

executes sending those messages to those customers based on their notification preferences and contact information. Palantir has a direct Application Programming Interface (API) with SCE's EONS application/vendor.

- IV. If the Palantir/EONS combination has been utilized for a PSPS event, explain SCE's experience with the combined system for each PSPS event it was used for.*

SCE began using the Palantir/EONS combination during PSPS events in 2022. The connection between Palantir and EONS has been stable and effective and has enabled SCE to send notifications based on weather forecasts and operational decisions.

- V. How has the addition of Palantir changed SCE's PSPS communications process? For partners? For customers? For the AFN community?*

Palantir has made it possible to automate and expedite the generation of notification campaigns for all customer segments (e.g., critical infrastructure, medical baseline, etc.), which used to be a more time-consuming manual process. Palantir is also used, to the extent possible, to ensure consistency of PSPS outage data and notification status to the Public Safety Partner Portal, other public and elected officials, and the sce.com outage webpage.

- VI. If the Palantir/EONS combination has not yet been utilized, explain what Palantir/EONS testing results have shown.*

Please see SCE's response to 1.a.IV above.

- VII. How does the addition of Palantir change SCE's PSPS communications process? For partners? For customers? For the AFN community?*

Please see SCE's response in 1.a.V above.

- VIII. What challenges has SCE experienced with Palantir?*

The Palantir product/application and team have experienced very few issues with the application itself or support thereof. That said, as with the adoption of any new technology tool or application, it requires time to learn how to program and utilize the application, and make improvements as challenges arise. This time has focused on, [1] the Palantir team to get up to speed on the dynamics of grid operations and, [2] for the SCE team to learn how to program and use a new application.

For example, in 2022, during the first PSPS season utilizing the application, we

experienced a challenge of integrating Palantir with existing event management systems. This at times necessitated manual notification campaigns resulting in notification and post-event reporting errors. As stated previously, improvements to this process were made as the Palantir team gained experience with real-time grid operation dynamics, and the SCE team gained experience programming and using the application during events. SCE is committed to leveraging lessons learned from past events to enhance our technology to adapt to the dynamic conditions that are inherent within real-time electrical grid operations.

Another challenge has been managing standard reporting requirements versus ad-hoc requests. The current Palantir data ontology was designed for and structured around reporting requirements adopted in Commission decisions. However, ad hoc or other one-time data requests often seek information at a more granular level than what is necessary for reporting purposes. These instances require additional logic programming and manual data source queries, which is often time-consuming and requires substantial resource dedication to complete.

IX. What further improvements are needed in their combined interaction, if any.

No further improvements or enhancements between the Palantir and EONS interfaces are planned at this time.

