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August 15, 2022

**DATA REQUEST RESPONSE**

**LIBERTY UTILITIES (CALPECO ELECTRIC) LLC**

**Liberty’s 2022 WMP Update**

Data Request No.: OEIS-LU-22-003  
 Subject Matter: Liberty’s 2022 WMP Update  
 Originator: Nathan Poon  
 Due Date: August 15, 2022

**REQUEST NO. 1:**

Energy Safety has discovered discrepancies in ignition reporting in Liberty’s 2022 WMP Update and Q1 2022 QDR (see table below). Which data set is correct?

Source	2015	2016	2017	2018	2019	2020	2021	2022
Table 2 (2023 WMP Update)	2	1	0	0	1	2	1	0
Table 7.2 (2023 WMP Update)	0	0	0	5	9	13	13	0
Spatial (QDR)	n/a	n/a	n/a	n/a	n/a	0*	1	0

\*Utilities were only required to submit spatial data representing the second half of 2020.

**RESPONSE TO REQUEST NO. 1:**

The ignition reporting data set in Table 2 is correct. Liberty’s ignition reporting in Table 7.2 has been corrected in its Q2 2022 QDR submission.

**REQUEST NO. 2:**

In the data governance section of Liberty’s refiled 2022 Update, Sections 7.3.7.1 and 7.3.7.4, it states that it has “three major software upgrades underway” but does not provide any information about the status and expected progress of these upgrades other than to identify the particular systems being upgraded as “GIS, Outage Management System, and Responder database.” For each of these in-progress software upgrades:

- a. Identify the current system being used and its limitations. Explain why the system was identified for upgrade and how this upgrade supports Liberty’s data governance goals under Sections 7.3.7.1 and 7.3.7.4.

- b. Identify the particular upgrade that is in progress (e.g., to a newer version, different platform, etc.).
- c. Identify when the particular software update process began, the current status, and expected completion date.

### **RESPONSE TO REQUEST NO. 2:**

Liberty is in the process of upgrading various enterprise software as part of the Customer First Foundations and Network Design and Operations (NDO) projects. The NDO project includes the Geographic Information System (GIS), the Outage Management System (OMS), and the Design Estimation Solution. The Customer First Foundations project includes the Customer Information System (CIS) in addition to other solutions not referenced in the WMP. The primary driver for both projects is to replace obsolete and/or retired systems. The new GIS went live on April 19, 2022, but is still being actively modified to resolve issues and improve performance. The other migrations are ongoing.

The previous GIS was based on the ESRI geometric model, with the Schneider ArcFM 10.1 extension. This system was retired by the vendor, obsolete, and did not include comprehensive enterprise support for mobile applications, web maps, and quality control. The new GIS being used is the ESRI Utility Network extension for ArcGIS Pro. This new system includes a full ArcGIS Enterprise deployment that allows for mobile editing, web mapping, and automatic quality control. The process for this software update began in 2019 and was first deployed in production on April 19, 2022.

The current OMS being used is Schneider Electric's Responder 10.1. This outage management system is vendor-retired, obsolete, and does not provide adequate analysis, data sharing, or reporting capabilities. This system will be replaced by Schneider Electric's Advanced Distribution Management (ADMS) Outage Management Module in the fourth quarter of 2023. This migration process began in 2021 and is undergoing integration testing.

Liberty has no Design Estimation Solution in place locally at this time. The NDO program will implement Geospatial Inc's Distribution Design Studio (DDS) to aid drafters and designers in completing design work with geographic reference and compatible units. This migration process began in 2020 and is still undergoing development.

The current CIS being used is Cogsdale 2015 on the Microsoft Dynamics Great Plains platform. This customer information system is outdated and difficult to integrate with business process and other software packages. This system will be replaced by SAP Cloud for Customer (C4C) in the fourth quarter of 2023. This migration process began in 2021 and is still undergoing integration testing.

While the primary drivers for these software upgrades have been to replace obsolete and/or retired systems, each upgrade will support Liberty's data governance goals under Sections 7.3.7.1 and 7.3.7.4 of its 2022 WMP Update, particularly the GIS and OMS upgrades. GIS is one of Liberty's main central WMP databases, and Liberty has spent significant efforts to align aspects of its GIS database with OEIS reporting requirements. Liberty's GIS upgrade needs to work with any data solution developed to improve WMP tracking, reporting, and meeting evolving OEIS reporting

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requirements. This upgrade supports Liberty's data governance goals by improving performance of a system that stores and processes Liberty's asset data. To implement a centralized database solution for WMP reporting, Liberty must first have alignment within the data architecture and collection software in order to achieve descriptive uniformity across all data sources. Liberty is also in the process of staffing, training, and stress-testing these new software versions. Once completed, the centralization architecture will be a long-term design and a lasting standard for Liberty data governance.

Additionally, the foundational support of accurate and timely data from software systems, such as OMS, that add efficient value to Liberty's processes is important not only to daily operations but also to provide specific formats that meet OEIS reporting requirements and data requests in differing formats from other stakeholders. This foundational data also provides the backbone of risk-based analysis and reduction and therefore is an integral part of many WMP initiatives. To properly integrate GIS data and outage data and subsequently perform effective risk analysis, Liberty must continue advancing pertinent systems that provide data to a centralized reporting system. The data collection process, adding necessary data features, and streamlining performance are just a few examples of how the upgrade process will impact Liberty's ability to perform risk analysis and continue to integrate disparate data sources.

If you have any questions or require any additional information, please contact me at:

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