March 23, 2022

DCFC Charging + Storage Demonstration Project 60-Day Notice Summary Report

On October 29, 2021, Public Service Company of Colorado ("Public Service" or "the Company") issued a 60-Day Notice ("Notice") to update stakeholders regarding the Company's development of a DCFC Charging + Storage Demonstration Project to be incorporated into the Company's 2021-2023 Transportation Electrification Plan ("TEP") as approved by the Colorado Public Utilities Commission ("Commission") through Decision No. C21-0017 in Proceeding No. 20A-0204E.

The original Notice and accompanying documentation can be found on the Company's website:

https://www.xcelenergy.com/company/rates_and_regulations/filings/transportation_electrification_plan

The Company received written comments on the Notice from the Colorado Energy Office ("CEO"), provided as Attachment A. The Company is also providing the DCFC and battery energy storage system analysis provided by CEO as Attachment B.

The Company appreciates the time, attention, and thoughtful review of the DCFC Charging + Storage Demonstration Project 60-Day Notice from interested stakeholders.

Verbatim excerpts from the comments are provided below and the Company's responses to all comments received, when applicable:

1. Comments Submitted by CEO

Comment:

CEO is not proposing any modifications to the Company's proposal, and wishes to share a recently-completed relevant resource that examines similar concepts. Specifically, CEO commissioned an analysis on DC fast charging ("DCFC") and battery energy storage systems ("BESS"), which was completed by E9 Insights and Optony (Attachment A). One finding of the study was that, in addition to demand charge management, BESS could help enable DCFC in grid-edge or grid-constrained scenarios. CEO understands Public Service's 60-Day Notice proposal to suggest that by installing BESS, the Company may be able to defer distribution system upgrades. Attachment A similarly examines this concept, and notes that for grid-edge applications, it may be cheaper to install BESS and use existing single phase power as compared to extending three phase power to project sites.

Should the Company or stakeholders wish to further engage CEO on these topics, please contact Maria DiBiase Eisemann (maria.eisemann@state.co.us) and Matt Mines (matt.mines@state.co.us).

Response:

Thank you, the Company appreciates your feedback and will review the resources shared.

Conclusion

In light of the comments received from stakeholders, the Company will maintain the language as proposed in the DCFC Charging + Storage Demonstration Project 60-Day Notice and move forward with program planning and implementation.