ATTACHMENT A
FOLLOW-UP QUESTIONS

1.   What should be the core objectives of the three pilots—Virtual Power Plants (VPPs), Gas Demand Response (Gas DR), and Neighborhood Electrification—in order to gather important information for maximizing the benefits of these resources following the completion of the pilots?

2.   If we presume (1) the Gas DR and VPP programs are conducted under the umbrella of a market platform provider and (2) the purpose is to inform Public Service Company of Colorado's filing of a strategic issues application pursuant to §§ 40-3.2-103(1) and 40-3.2-109(6)(a), C.R.S., expected in 2025, a minimum of one summer and one winter heating season will need to be included (*i.e.,* winter 2024-25 and Summer 2025). However, comments seem to indicate that the development of a market platform could take 8 to 12 months. Therefore:

- How do we conduct targeted pilot programs that have the opportunity to scale following the 2025 strategic issues application proceeding using a platform environment when faced with these timing constraints?

- Are there ways in which a scaled down version of the market platform could be deployed quickly to enable the pilots with the opportunity to expand the capabilities over time? If so, what language should be included in the request for proposals (RFP) to enable this capability?

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- Recognizing these time constraints for application of pilot results, what is a reasonable timeframe for the utility to issue the RFP and get bids back that could be implemented in time to achieve these initial pilot timeframes?

3. What are the main technical and time parameters for achievement of the objectives of the pilots?

4. What should the milestones and objectives of the RFP be if the RFP is issued for a market platform provider serving as an enabler between the buyer (utility) and the seller (VPP aggregator and customers)?

5. Can the objectives of the Gas DR pilot, the VPP pilot, and the Neighborhood Electrification pilot all be achieved using the market platform (enabler) model, or are there instances where it would be advantageous to use a direct VPP RFP model or some other model of service delivery?

6. Should the Neighborhood Electrification program be treated separately as a program that has a different implementer to achieve the electrification objectives and then combined with the VPP to identify ways in which a VPP may be able to reduce distribution system upgrades that may be driven by high density deployment of electrification?

7. What should the operational milestones be for the three pilots, understanding the milestones of the RFP (addressed in question 4) with the enabling market platform may identify specific objectives of each participating VPP or Gas DR provider, but may have additional objectives in the aggregate?

8. What should the measurement and verification process consist of to ensure the milestones of the pilots can be adequately evaluated and expanded beyond the pilot phase in a streamlined manner?

9. What are the technical and data requirements of the utility to be able to effectively engage with the platform provider and facilitate a successful pilot program? How do those requirements change with full deployment of a mature program following the completion of the pilots?

10. If the Neighborhood Electrification pilot targets a neighborhood that has similar homes of a similar vintage, is there a value in providing demand-side management (DSM) measures in conjunction with electrification for a portion of the population to compare relative costs for heating both with full electrification and electrification paired with gas DSM?

11. Should the Neighborhood Electrification pilot be paired with VPP capability to determine if there are distribution capacity investments that can be avoided by VPP demand management benefits?

12. What are the market components that will reward participants while delivering savings and resources to the grid? How are those benefits distributed across the chain of aggregation, customer and overall system costs?

13. Distributed energy management computing capabilities may ultimately contribute to timely response of resources for capacity in a fully mature VPP program. Are there components of this type of deployment that should be included in the pilot programs and how should that be structured?

14.   Are there any other issues not yet raised in comments and responses that the Commission should be aware of in crafting the RFP for these pilots?