| **#** | **Resource Area / Topic** | **Data Request Item** | **Request Date** | **Reply Date** | **Status** | **Follow-Up Request** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Distribution Need Forecast Clarification | The forecasted distribution capacity need was identified as 4.3 megawatts (MW) in 2026 in the June 2018 version of Appendix G to the Proponent’s Environmental Assessment (PEA). The project team used Appendix G to identify grid needs (capacity) as the following feeders expected to be overloaded or experience large block load growth based on known planned projects: Atascadero 1103, Paso Robles 1102, Paso Robles 1107, Paso Robles 1108, San Miguel 1104, Templeton 2109, and Templeton 2113.  Pacific Gas & Electric Company’s (PG&E’s) June 2018 Grid Needs Assessment (GNA) report, Appendix B (Planned Investment Table) identifies the grid need for Estrella as 4.87 MW (capacity needs), encompassing Paso Robles 1103, Paso Robles 1107, Paso Robles 1108, San Miguel 1104, and Templeton Banks No. 1 and 2.  PG&E’s 2018 Distribution Deferral Opportunities Report (DDOR) identifies the grid need for Estrella as 3.4 MW (capacity needs), encompassing Paso Robles 1103, Paso Robles 1107, Paso Robles 1108, San Miguel 1104, San Miguel Bank No. 1, and Templeton Bank No. 2. This report also identifies Atascadero 1103 as a capacity grid need that will be mitigated by PG&E via load transfer/switching.  Understanding that distribution forecast needs change as the Proposed Project grows closer to the expected in-service date (2024), please confirm whether the following grid needs are the only grid needs that should be studied in the environmental impact report (EIR), the respective MW of need, and the type of grid need:   * 3.4 MW capacity need * Paso Robles 1103, Paso Robles 1107, Paso Robles 1108, San Miguel 1104, San Miguel Bank No. 1, and Templeton Bank No. 2 (expected date of overloading above normal ratings: 2024)   In addition, please explain the reason for the reduced capacity need from 4.87 MW to 3.4 MW (e.g., due to load switching, revised load growth forecast, revised Distributed Energy Resources forecast, etc.).  It is noted that there is a discrepancy between the 2018 DDOR Grid Need for Paso Robles 1103 (0.42 MW) and the DDOR information on the DDOR Map, Appendix C: Candidate Deferrals Table (1.88 MW). Please provide a reason for this discrepancy. | 4/15/19 |  |  |  |
| 2 | Projected Distribution Feeder Loading | Please identify any projected feeder reconfigurations or line upgrades that may impact projected loading on individual feeders in 2024-2026 (e.g., any behavior that would change the estimate of peak loading and feeders that might be overloaded). | 4/15/19 |  |  |  |
| 3 | Templeton Alternatives – Design and Survey Work and Schedule | For the Templeton Alternatives, including those referred to as Alternatives SE-PLR-1 and SE-PLR-3 in the Draft Alternatives Screening Report, which were screened out from full analysis in the EIR, as well as Alternatives SE-1 and SE-PLR-2, which were retained for full analysis in the EIR, please provide all design and environmental work completed and a schedule of the work still underway or planned. This would include any design drawings or narrative description, construction methods, biological or cultural resources surveys, key observation point (KOP) photographs or visual simulations, or any other information that would be pertinent to an environmental impact analysis.  To the extent that the work completed to date provided under this Data Request Item satisfies the requests for additional information regarding Alternatives SE-1 and SE-PLR-2 in the Data Request Items below, this can be noted and information does not need to be provided twice.  In addition, for the SE-PLR-2 Templeton-Paso South River Road Route, please provide design details for an underground approach from approximately the intersection of Charolais Road and South River Road northward to Paso Robles Substation (about 0.65 miles). The concern is that 70-kV overhead lines could be on both sides of South River Road under the SE-PLR-2 alternative as described in the Draft ASR. It may be preferable to underground the existing single-circuit 70-kV line instead, please discuss.  Please consider use of the frontage road/shopping center driveway that begins just north of the fitness center and leads to Niblick Road (about 0.15 miles). It may be preferable to cross over rather than under Niblick Road. | 4/15/19 |  |  |  |
| 4 | Alternatives Description | For Alternatives SS-1, PLR-1A, PLR-1C, PLR-1D, PLR-3, SE-1, and SE-PLR-2, please provide a description of staging areas, temporary work areas, access routes, helicopter landing zones, and any other temporary disturbance areas required for construction of the alternatives. Please also provide geographic information system (GIS) shapefiles showing all temporary disturbance areas for each alternative. | 4/15/19 |  |  |  |
| 5 | Alternatives Description – Air Quality, Greenhouse Gas, Noise | For Alternatives SS-1, PLR-1A, PLR-1C, PLR-1D, PLR-3, SE-1, and SE-PLR-2, please provide the following information:  Construction   1. Construction phasing (e.g., phases that would occur; projected dates, lengths, and overlap of phases; days per week that construction activities would occur) and total estimated duration of construction. 2. Types of equipment to be used in each phase of construction (including horsepower if not a typical piece of construction equipment, e.g. helicopter). 3. Hours per day each type of equipment would be used. 4. Volume of soil/material (e.g. rock, gravel, dirt) to be exported/imported and the number and length of associated hauling trips.   Operations   1. Noise levels produced by new equipment/infrastructure (e.g., substation components, power line, etc.) associated with each alternative. 2. Maintenance needs and frequency of maintenance activities. 3. Estimated amount of energy needed to operate the proposed facilities. | 4/15/19 |  |  |  |
| 6 | Alternatives Description – Hazards and Hazardous Materials | For Alternatives SS-1, PLR-1A, PLR-1C, PLR-1D, PLR-3, SE-1, and SE-PLR-2, please provide the following information:   1. Types of hazardous materials (e.g., diesel fuel, hydraulic fluid, etc.) used, stored, and transported during construction. 2. Quantity of mineral oil used for transformers and whether secondary containment structures would be included (not applicable to PLR alternatives). Also, please provide the size/dimensions of any containment structures and describe whether oil would be filtered and replaced on-site. 3. The amount and frequency of hazardous materials transport and disposal required during project operation. | 4/15/19 |  |  |  |
| 7 | Alternatives Description – Hydrology and Water Quality | For Alternatives SS-1 and SE-1, please provide the following:   1. Estimated impervious surface area associated with the proposed facilities. 2. On-site stormwater infrastructure/features to be included as part of the proposed facilities. | 4/15/19 |  |  |  |
| 8 | Alternatives Description – Transportation | For Alternatives SS-1, PLR-1A, PLR-1C, PLR-1D, PLR-3, SE-1, and SE-PLR-2, please provide the following:   1. Location of parking areas for construction workers. 2. Whether construction of the alternative would require lane closures and/or road closures, and the duration of any such closures. 3. The roads that would be traveled by vehicles accessing the facilities included in the alternative. 4. The estimated number of vehicle trips (broken down by the type of vehicle), and frequency of the trips, to the facilities included in the alternative during the construction period. 5. The estimated number of vehicle trips (broken down by the type of vehicle), and frequency of the trips, necessary for operation and maintenance of the facilities included in the alternative. Please include the trips necessary for vegetation management activities in these estimates. 6. Whether helicopters would be used during construction and/or operations of the facilities included in the alternative. Helicopter landing zones would have been provided in Data Request Item #4 above, but please also identify helicopter flight paths for alternatives requiring helicopter use. | 4/15/19 |  |  |  |
| 9 | Alternatives Description – Utilities | For Alternatives SS-1, PLR-1A, PLR-1C, PLR-1D, PLR-3, SE-1, and SE-PLR-2, please provide the following information:   1. The amount of water (e.g., gallons, or acre-feet) that will be required to construct the alternative. 2. Whether any dewatering would be required to construct any aspect of the alternative. 3. Whether short-term irrigation water would be needed for revegetation efforts at any temporary disturbance areas. 4. Whether any horizontal directional drilling (HDD) will be need in any areas for construction of facilities. 5. The source for water used during construction. | 4/15/19 |  |  |  |
| 10 | Aesthetics | For the Proposed Project, please provide visual simulations for KOPs 33, 38 and/or 30 as presented in Appendix I of the PEA. | 4/15/19 |  |  |  |
| 11 | Aesthetics | For Alternatives SS-1, PLR-1A, PLR-1C, PLR-1D, SE-1, and SE-PLR-2, please provide photos from additional KOPs (see mark-up attached) to capture existing visual conditions. | 4/15/19 |  |  |  |
| 12 | Biological Resources | For Alternatives SS-1, PLR-1A, PLR-1C, PLR-1D, SE-1, and SE-PLR-2, please provide the following information:   1. Number and species of oak trees that would require removal (if any). Map out locations of tree removals. 2. If removal of riparian habitat is required, provide the amount of acres. | 4/15/19 |  |  |  |
| 13 | Biological Resources – Surveys | For Alternatives SS-1, PLR-1A, PLR-1C, PLR-1D, SE-1, and SE-PLR-2, please provide the following information (*alternatively, Horizon could obtain this information; please provide an explanation as to whether NextEra Energy Transmission West (NEET West)/PG&E would prefer to perform these surveys or if the Applicants would prefer that Horizon complete them, and plan to discuss at our next meeting*):   1. Vegetation mapping for alternative footprints/alignments, including whether oak woodland alliances and/or sensitive natural communities are present. 2. Presence of any wetlands, drainages, vernal pools, or other water features within 500 feet of the alignment or substation site. Describe each water feature and its proximity to any disturbance areas. Describe any water features or surrounding habitat that would temporarily or permanently affected and provide acreages of impacts. 3. Reconnaissance-level surveys and habitat assessment or areas within alternative footprints/alignments and disturbance areas.   Note: Where information has already been provided (e.g., for the Templeton Expansion Alternatives as part of the response to Deficiency Letter No. 4), please provide any back-up data and field verification of information, where available. | 4/15/19 |  |  |  |
| 14 | Paleontology | For Alternatives SS-1, PLR-1A, PLR-1C, and PLR-1D, please provide soils maps and a geo-archaeological analysis to indicate the presence of paleontological resources. This information was provided for the Templeton Expansion Alternatives as part of the response to Deficiency Letter No. 4, but similar information is needed for the remaining alternatives. Please also provide a record search for paleontological resources for Alternatives SS-1, PLR-1A, PLR-1C, and PLR-1D. | 4/15/19 |  |  |  |