

**Table ES-1.** Summary of Impacts and Mitigation Measures for the Proposed Project

| Issue Area                     | Potential Impact   | Significance Determination without Mitigation          | Mitigation  | Significance Determination with Mitigation |
|--------------------------------|--|--|---|--|
| <b>Air Quality</b>             | AQ-1: Short-Term Increase in PM10 Emissions from Well Drilling   | Less than Significant                                  | None required   | Less than Significant                      |
|                                | AQ-2: Short-Term Increase in PM10 Emissions from Pipeline Construction   | Less than Significant                                  | None required   | Less than Significant                      |
|                                | AQ-3: Short-Term Increase in PM10 Emissions from Building Construction   | Less than Significant                                  | None required   | Less than Significant                      |
|                                | AQ-4: Exposure of Sensitive Receptors to Elevated Health Risks from Exposure to Diesel Particulate Matter from Construction Activities                       | Less than Significant                                  | <del>Mitigation Measure AQ 1. Use Newer, Cleaner Burning Engines.</del><br><del>Mitigation Measure AQ 2. Limit Construction Duration.</del> | Less than Significant                      |
|                                | AQ-5: Exposure of Sensitive Receptors to Elevated Health Risks from Exposure to Acrolein Emissions from Diesel Exhaust from Construction Activities          | <u>Less than Significant</u><br><del>Significant</del> | <del>Mitigation Measure AQ 1. Use Newer, Cleaner Burning Engines.</del><br><del>Mitigation Measure AQ 2. Limit Construction Duration.</del> | Less than Significant                      |
| <b>Vegetation and Wildlife</b> | BIO-1: Removal of Maritime Chaparral   | Less than significant                                  | None required   | Less than significant                      |
|                                | BIO-2: Disturbance of the Fort Ord NRMA  | Significant  | Mitigation Measure BIO-1: Minimize or Prevent Disturbance to Adjacent NRMA  | Less than significant                      |
|                                | BIO-3: Destruction of Monterey Spineflower, Sandmat Manzanita, Eastwood’s Goldenbush, and Kellogg’s Horkelia   | Less than significant                                  | None required   | Less than significant                      |
|                                | BIO-4: Potential Direct Mortality or Disturbance of California Horned Lizards and Potential Permanent and Temporary Loss of California Horned Lizard Habitat | Less than significant                                  | None required   | Less than significant                      |

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|--------------------------|---|---|--|--|
|                          | BIO-5: Potential Direct Mortality or Disturbance of Black Legless Lizards and Potential Permanent and Temporary Loss of Black Legless Lizard Habitat                  | Significant                                   | None required; mitigation is included in the Fort Ord Multispecies Habitat Management Plan   | Less than significant                      |
|                          | BIO-6: Potential Direct Mortality or Disturbance of Monterey Dusky-Footed Woodrat and Potential Permanent and Temporary Loss of Monterey Dusky-Footed Woodrat Habitat | Significant                                   | None required; mitigation is included in the Fort Ord Multispecies Habitat Management Plan   | Less than significant                      |
|                          | BIO-7: Potential Direct Mortality or Disturbance of American Badger and Potential Permanent and Temporary Loss of American Badger Habitat                             | Less than significant                         | None required  | Less than significant                      |
|                          | BIO-8: Potential Loss of Nest Trees and Disturbance or Mortality of Migratory Birds   | Less than significant                         | Mitigation Measure BIO-4: Remove Trees and Shrubs during the Nonbreeding Season for Most Birds (September 1 To February 15).   | Less than significant                      |
| <b>Aquatic Resources</b> | AR-1: <u>Improved Flows for Upstream Migration Change in Flows for Adult Steelhead Upstream Migration</u>   | Beneficial                                    | <u>Mitigation Measure AR-1: Conduct Annual Survey Below River Mile 5.5 and Monitor River Flow in January-June Period.</u><br><del>None required</del>  | Beneficial                                 |
|                          | AR-2: Change in Juvenile Steelhead Rearing Habitat  | Beneficial                                    | Mitigation Measure AR-5-2: Cooperate to help develop a Project to Maintain, Recover, or Increase Storage in Los Padres Reservoir and If Needed, Continue Funding Program to Rescue and Rear Isolated Juveniles | Beneficial                                 |
|                          | AR-3: Improved Flows for Fall/Winter Downstream Migration   | Beneficial                                    | None required  | Beneficial                                 |

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| <b>Cultural Resources</b>                                  | AR-4: Maintenance of Flows for Spring Emigration  | Beneficial                                    | None required   | Beneficial                                 |
|  | AR-5: Changes in California Red-legged Frog Habitat Due to Changes in River Flows   | Beneficial                                    | None required   | Beneficial                                 |
|  | AR-6: Changes in Habitat for Other Aquatic Species Due to Changes in River Flows  | Beneficial                                    | None required   | Beneficial                                 |
|  | CR-1: Potential for Discovery of Buried Cultural Deposits and Human Remains during Construction of the Well and Pipelines       | Significant                                   | Mitigation Measure CR-1: Stop Work If Buried Cultural Deposits Are Encountered during Construction Activities.<br><br>Mitigation Measure CR-2: Stop Work If Human Remains Are Encountered during Construction Activities. | Less than significant                      |
| <b>Geology, Soils, and Seismicity</b>                      | GS-1: Potential Short-Term Increase in Erosion Resulting from Project Construction  | Less than significant                         | None required   | Less than significant                      |
|  | GS-2: Potential Structural Damage and Threat to Public Safety from Fault Displacement and Ground Shaking during a Seismic Event | Less than significant                         | None required   | Less than significant                      |
|  | GS-3: Potential Structural Damage and Threat to Public Safety from Earthquake-Induced Liquefaction and Lateral Spread           | Less than significant                         | None required   | Less than significant                      |
|  | GS-4: Potential Rupture of Pipelines and Threat to Public Safety Caused by Expansive Soils and Pipeline Corrosion               | Less than significant                         | None required   | Less than significant                      |
| <b>Surface and Groundwater Hydrology and Water Quality</b> | GWH-1: Changes in Seaside Basin Groundwater Storage   | Beneficial                                    | None required   | Beneficial                                 |
|  | GWH-2: Short-Term Changes in Seaside Basin Groundwater Quantity   | Less than significant                         | None required   | Less than significant                      |

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|            | GWH-3: Long-Term Changes in Seaside Basin Groundwater Levels   | Beneficial                                    | None required   | Beneficial                                 |
|            | GWH-4: Changes in Seaside Basin Groundwater Levels in Overlying Units                                    | Less than significant                         | None required   | Less than significant                      |
|            | GWH-5: Potential for Seaside Basin Hydrofracturing   | Less than significant                         | None required   | Less than significant                      |
|            | GWH-6: Short-Term Change in Seaside Basin Groundwater Quality  | Less than significant                         | Mitigation Measure GWH-1: Comply with Performance Standards in NPDES Permits  | Less than significant                      |
|            | GWH-7: Long-Term Change in Seaside Basin Groundwater Quality From Mixing Groundwater with Injected Water | Less than significant                         | Mitigation Measure GWH-2: Operate Project in Compliance with SWRCB and DHS Policies<br><br>Mitigation Measure GWH-3: Modify Project Operations as Required by Results of Monitoring | Less than significant                      |
|            | GWH-8: Changes in Seaside Basin Groundwater Quality Caused by ASR Well Operation Discharges              | Less than significant                         | None required   | Less than significant                      |
|            | GWH-9: Changes in Seaside Basin Recovered Water Quality  | Less than significant                         | None required   | Less than significant                      |
|            | GWH-10: Effects on Other Seaside Basin Groundwater Users   | Beneficial                                    | None required   | Beneficial                                 |
|            | GWH-11: Changes in Carmel River Streamflow During High Flow Periods                                      | Less than significant                         | Mitigation Measure GWH-4: Operate Project in Compliance with NOAA Fisheries Recommendations, and Reduce Unlawful Diversions   | Less than significant                      |
|            | GWH-12: Changes in Carmel Valley Alluvial Aquifer Storage During High Flow Periods                       | Beneficial                                    | None required   | Beneficial                                 |

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|                 | GWH-13: Changes in Carmel River Streamflow During Low Flow Periods   | Less than significant                         | Mitigation Measure GWH-4: Operate Project in Compliance with NOAA Fisheries Recommendations, and Reduce Unlawful Diversions | Less than significant                      |
|                 | GWH-14: Changes in Carmel Valley Alluvial Aquifer Storage During Low Flow Periods  | Beneficial                                    | None required   | Beneficial                                 |
| <b>Land Use</b> | LU-1: Disruption of Existing Land Uses or Neighborhoods during Construction of the Well Site   | Less than significant                         | None required   | Less than significant                      |
|                 | LU-2: Disruption of Existing Land Uses or Neighborhoods during Construction of the Santa Margarita Well Pipeline and New Well Pipeline | Less than significant                         | None required   | Less than significant                      |
|                 | LU-3: Incompatibility with Existing Adjacent Land Uses from Operation of the Proposed Pipelines and Well                               | Less than significant                         | None required   | Less than significant                      |
|                 | LU-4: Potential Inconsistencies with Relevant Land Use Plans and Policies from Operation of the Proposed Well and Pipelines            | Less than significant                         | None required   | Less than significant                      |

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| <b>Noise</b>               | NZ-1: Exposure of Noise-Sensitive Land Uses to Construction Noise in Excess of Applicable Standards                               | Significant                                   | Mitigation Measure NZ-1a: Prohibit Ancillary and Unnecessary Equipment During Nighttime Well Drilling Activities.<br><br>Mitigation Measure NZ-1b: Employ Noise-Reducing Construction Practices to Meet Nighttime Standards.<br><br>Mitigation Measure NZ-1c: Prepare a Noise Control Plan.<br><br>Mitigation Measure NZ-1d: Disseminate Essential Information to Residences and Implement a Complaint/Response Tracking Program. | Less than significant                      |
|                            | NZ-2: Exposure of Sensitive Land Uses to Construction-Related Vibration Levels in Excess of Applicable Standards                  | Significant                                   | Mitigation Measure NZ-1a<br>Mitigation Measure NZ-1b<br>Mitigation Measure NZ-1c<br>Mitigation Measure NZ-1d  | Less than significant                      |
|                            | NZ-3: Exposure of Sensitive Land Uses to Operational Noise in Excess of City Standards  | Significant                                   | Mitigation Measure NZ-2: Design Pump Stations to Meet Local Noise Standards.  | Less than significant                      |
| <b>Hazardous Materials</b> | HAZ-1: Exposure of Employees and Public to Hazardous Materials during Construction of a Well and Pipelines at the Former Fort Ord | Significant                                   | Mitigation Measure HAZ-1: Implement <del>MEC UXO</del> Safety Precautions during Grading and Construction Activities at the Project Site.   | Less than significant                      |
|                            | HAZ-2: Handling and Use of Hazardous Materials during construction within 0.25 Mile of a School                                   | Less than significant                         | None required   | Less than significant                      |

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| <b>Public Services and Utilities</b>  | HAZ-3: Potential Creation of a Hazard to the Public and Environment from Routine Use of Hazardous Materials or Accidental Release of Hazardous Materials during Operation of the Well Site | Less than significant                         | None required  | Less than significant                      |
|                                       | HAZ-4: Handling of Hazardous Materials during operation within 0.25 Mile of a School   | Less than significant                         | None required  | Less than significant                      |
|                                       | HAZ-5: Public Exposure to Contaminated Drinking Water  | Less than significant                         | None required  | Less than significant                      |
|                                       | PS-1: Increase in Solid Waste Generation and Construction Debris during Construction of Well and Pipelines   | Less than significant                         | None required  | Less than significant                      |
|                                       | PS-2: Temporary Disruption of Existing Underground Utilities and Utility Service during Construction of Well and Pipelines   | Significant                                   | Mitigation Measure PS-2: Coordinate Relocation and Interruptions of Service with Utility Providers during Construction<br><br>Mitigation Measure PS-3: Protect All Existing Utilities Slated to Remain | Less than significant                      |
| <b>Transportation and Circulation</b> | PS-3: Increased Demand for Electricity from Operation of ASR Facilities  | Less than significant                         | None required  | Less than significant                      |
|                                       | TR-1: Temporary Traffic Increase and Potential for Level of Service Degradation during Construction of Wells and Pipelines   | Less than significant                         | None required  | Less than significant                      |
|                                       | TR-2: Potential Conflict with Fixed-Route Monterey-Salinas Transit Service during Construction of Wells and Pipelines  | Less than significant                         | None required  | Less than significant                      |
|                                       | TR-3: Potential Pedestrian and Bicycle Hazards from Pathway and Bikeway Closures or Disruption during Construction of Well and Pipelines   | Less than significant                         | None required  | Less than significant                      |

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| <b>Visual Resources</b>   | TR-4: Potential for Increased Traffic and Level of Service Degradation from Operation and Maintenance of the Well Site   | Less than significant                         | None required   | Less than significant                      |
|                           | TR-5: Increased Parking Demand Attributable to Operations and Maintenance of the Well  | Less than significant                         | None required   | Less than significant                      |
|                           | VIS-1: Temporary Alteration of Scenic Views during Construction of Well and Pipelines  | Less than significant                         | None required   | Less than significant                      |
|                           | VIS-2: Degrade Existing Visual Character during Construction of Well and Pipelines   | Less than significant                         | None required   | Less than significant                      |
|                           | VIS-3: Creation of Light and Glare during Construction of Well and Pipelines   | Less than significant                         | None required   | Less than significant                      |
|                           | VIS-4: Alteration of Existing Visual Character at Well Site  | Less than significant                         | None required   | Less than significant                      |
| <b>Cumulative Impacts</b> | The Proposed Project could result in cumulative impacts on traffic and transportation  | Less than significant                         | None required   | Less than significant                      |
|                           | The Proposed Project could result in a considerable contribution to NOx and PM10 emissions when considered together with other projects that could be constructed in the same timeframe. | Significant                                   | Mitigation Measure Cume-1: Coordinate with Relevant Local Agencies to Develop and Implement a Phased Construction Plan to Reduce Cumulative Traffic, Air Quality, and Noise Impacts | Less than significant                      |



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|            | The Proposed Project could contribute considerably to construction noise and vibration, affecting sensitive receptors when considered together with other projects that could be constructed in the same timeframe in the same area and affecting the same sensitive noise receptors. | Significant                                   | Mitigation Measure Cume-1 | Less than significant                      |
|            | Construction of the well and associated pipelines could result in the loss or disturbance to special-status plant and wildlife species or their habitat.  | Less than significant                         | None required             | Less than significant                      |
|            | There would be a cumulative energy effect from the Proposed Project because operation of the new ASR well would require 10,000 kilowatt hours of electricity daily.   | Less than significant                         | None required             | Less than significant                      |