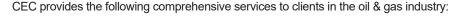


Midstream Services

CEC assists oil & gas midstream companies in the development, permitting and construction of gathering and transmission pipelines, meter stations, compressor facilities, and processing plants.



SURVEYING

- Boundary, topographic, and utility surveys for pipeline and infrastructure projects
- Surveying services for property acquisition, access road design and construction, existing conditions assessments, and utility route development
- · Construction stakeout and as-built surveys

ECOLOGICAL SERVICES

- Wetland delineations and stream determinations
- Wetland and stream encroachment permitting ranging from general permits to more comprehensive individual federal and state permits for utility line and access road crossings
- Threatened & Endangered Species surveys and mitigation recommendations to comply with state and federal agency requirements
- Certification assistance including background data collection and agency coordination, field reconnaissance, and data management
- Federal Energy Regulatory Commission (FERC) environmental reporting



- Geohazard assessments, landslide mitigation planning and design
- Completion of subsurface investigations to develop construction recommendations for natural gas compression, processing and other infrastructure facilities associated with midstream operations and for HDD design

SITE LAYOUT, GRADING, AND EARTHWORK

- Preparation of site layout and grading plans for natural gas compression, processing, and other infrastructure facilities associated with midstream operations
- Grading analyses and plans that minimize site clearing and earth moving to reduce development costs and simplify operations in the field
- Alignment plans for gas pipeline construction, temporary and permanent access road designs, and work space area

EROSION & SEDIMENTATION (E&S) CONTROL AND POST-CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PERMITTING

- Preparation of permit documents for E&S Control Permits in accordance with federal, state, and local regulations
- Preparation of site restoration and PCSM plans in accordance with federal, state, and local regulations.





Midstream Services



ENVIRONMENTAL SERVICES

- Spill Prevention, Control, & Countermeasure (SPCC) Plans
- · Air Permitting and Emissions Testing
- Site Investigation and Remediation Services
- Gas Intrusion Abatement Services
- Greenhouse Gas Reporting Services
- Due Diligence

GIS MAPPING

- Identification and mapping of stream, pond, wetland, and other water body limits and boundaries; major land use types; geologic hazards and features; and businesses, residences, and floodplains
- Plotting of GPS feature locations on environmental resource maps used for Environmental Report (ER) exhibits, permit drawings and base mapping for erosion & sedimentation control plans, and environmental construction drawings
- Collect, manage, map, and analyze geo-referenced data for FERC environmental reporting and certification
- Pipeline Route Planning

CQA AND INSPECTION SERVICES

- Construction monitoring services for civil, geotechnical, environmental, and waste management construction activities
- Monitoring of fill placement, earthwork operations, and mine grouting
- Permit Closeout Inspections