



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.



CEC provides the following comprehensive services to clients in the oil & gas industry:

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

GEOTECHNICAL ENGINEERING AND SUBSURFACE INVESTIGATION

- 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.



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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