Energy companies, drillers and operators seek a resource with the expertise to successfully navigate evolving federal, state and local regulations.

Legislative and regulatory bodies race to keep pace with the fast-growing expansion of the expanding domestic energy industry. CEC helps clients obtain the necessary permits, clearances and certificates for their upstream developments, midstream pipeline projects, and processing and infrastructure facilities—allowing clients to keep their primary focus on operations.

The experienced managers and principals at CEC are involved in the outreach and advocacy efforts of industry trade groups to stay in front of emerging issues, while maintaining long-standing relationships with the regulatory community.

CEC has continually expanded service offerings and opened regional offices to focus on performance, delivery and client satisfaction. A diverse scope of consulting services offered to the natural gas industry has led to CEC's emergence as a proven, reliable resource.

Civil & Environmental Consultants, Inc. (CEC) is a company of professionals who provide comprehensive industry-focused consulting services that advance our clients’ strategic business objectives. We are recognized for delivering knowledge, innovative design solutions and integrated expertise in the primary practice areas of civil engineering, environmental engineering and sciences, ecological sciences, waste management and water resources.

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CIVIL & ENVIRONMENTAL CONSULTANTS, INC. | NATURAL GAS
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EXPLORATION & PRODUCTION

Upstream companies face a complex interplay between schedule, cost, industry demands and regulations. Balancing these elements requires proven experience and regional/technical familiarity to tackle the regulatory and physical landscapes.

Well Pad
Site reclamation planning protects the environment and the future. CEC leverages its expertise to mobilize a team to address the unique challenges that arise in a timely, cost-effective manner.

Impoundments and Dams
Dams, impoundments and reservoirs create challenges for engineers, especially when there are ecological sensitivities or regulatory constraints. CEC provides the necessary support to navigate these obstacles and ensure project success.

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MIDSTREAM

Whether installing gathering and transmission pipeline systems or constructing processing, loading or transfer facilities, midstream companies need to implement a strategic approach to stay on schedule and get their products to market.

Pipeline Systems
CEC has extensive experience with gathering system components and large-diameter transmission pipelines, including those requiring FERC environmental impact statements and state permits. CEC provides technical assistance and support throughout the project lifecycle, from preliminary design to construction.

Facilities
CEC has delivered on natural gas liquids (NGL) compressor, fractionation and treatment facilities, assisting midstream clients with the civil design, engineering and construction of meter and control systems, compressor stations, fractionation and treatment facilities. CEC has extensive experience in gathering and transmission systems, including those requiring FERC environmental impact statements and state permits. CEC provides technical assistance and support throughout the project lifecycle, from preliminary design to construction.

Civil & Environmental Consultants, Inc.
EXPLORATION & PRODUCTION

Upstream companies face a complex interplay between schedule, cost, industry demands and regulations. Balancing these elements requires measured, process experience and regional familiarity to stabilize and the regulatory and physical landscapes.

Well Pad
Site selection and project-level challenges often require site-stability evaluations. Each construction site requires site-specific conditions. Site-specific work plans are necessary to ensure engineered construction costs and duration.

CEC evaluates potential site withdrawal locations using geological and geophysical surveying to locate groundwater production wells and to determine the natural well yield. CEC also conducts hydrocarbon gas emissions testing and air monitoring programs, and has developed a suite of operating procedures necessary to monitor and control these programs. When drilling operations are temporary or permanently complete, comprehensive ingestion, storage and remediation services require site restoration.

Impoundments and Drains
Civil and environmental engineers and geologists assist with site selection, investigate subsurface conditions, evaluate slope stability, assess groundwater conditions, design, test and maintain drainage systems, and prepare construction plans for landfill environmental, water and oil treatment facilities. Regulatory familiarity helps streamline the permitting process for dams, reservoirs and remediation controls, and assists on-site monitoring aspects.

Pipeline Systems
Refer to our capabilities for long- and short-line activities.

Midstream
Whether installing gathering and transmission pipeline systems or constructing processing, loading or facilities, various companies need to implement a strategic approach to stay on schedule and get their products to market.

Gathering systems, including production facilities, pipelines, compression, fractionation and treatment facilities, assist midstream clients with the civil design, engineering and construction of meter and regulating facilities, compression, fractionation and treatment facilities. CEC has extensive experience with gathering system components and large-diameter transmission pipelines. Dealing with these demanding projects, including those required for EIS permit compliance, requires a tailored set of operating procedures and monitoring constituents of these pipelines.

Regulatory Insight
Consulting services help develop sound regulatory recommendations and strategies, including comprehensive permitting, to support Horizontal Oil & Gas Well permits. CEC developed several BMP guideline documents in use today. Various projects have been offered to a tailored CEC training program for clients.

Industry Knowledge
Civil & Environmental Consultants, Inc. (CEC) is recognized as a leader for its industry prowess. CEC has developed extensive field guidelines to ensure that its clients stay on top of and contribute to the development of evolving federal and state regulations and policies.

Regulatory familiarity helps streamline the permitting process for dams, reservoirs and remediation controls, and assists on-site monitoring aspects.

Diverse Expertise
Many resources are of the essence. CEC understands that time, cost, accuracy and regulatory Insight are of the essence. CEC understands that time, cost, accuracy and regulatory Insight are of the essence. CEC understands that time, cost, accuracy and regulatory Insight are of the essence. CEC understands that time, cost, accuracy and regulatory Insight are of the essence.
EXPLORATION & PRODUCTION

Journey companies face a complex interplay between schedule, cost, industry demands and regulations. Balancing these elements requires resource, process experience and regional familiarity to tackle the regulatory and physical landscapes.

Well Pad
Site selection poses logistical challenges that often require site-stability evaluations. Each existing structure or specialized buildout requires special permits, while overall project goals are considered to balance construction costs and duration.

CEC evaluates potential site-stabilized locations using geological and geophysical interpretations to locate geohydrogen production wells and begin testing to determine a sustained well yield. CEC also develops greenhouse gas emissions testing and air monitoring programs, and a tailored set of operating procedures necessary to maintain and operate each site.

When drilling operations are temporary or permanently complete, restoration, drainage and inundation schemes provide for site reclamation.

Impoundments and Dams
Civil and environmental engineers provide site-wide solutions, including plans for designing, constructing and maintaining large-scale impoundments and large-diameter transmission facilities. Site conditions pose geotechnical challenges that often demand familiarity to tackle the regulatory and physical landscapes.

Regulatory Insight
CEC understands that time, cost, accuracy and regulatory insight are of the essence.

With long-standing ties to the natural gas industry, CEC brings decades of experience to regulatory agency employees.

THE CEC ADVANTAGE

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