STV has served the energy industry for more than 25 years, providing services for projects that transport crude oil, refined petroleum products, natural gas and electricity, as well as related facility projects. Working with some of the largest U.S. petroleum, natural gas and specialty gas companies and electric utilities, we specialize in wide-ranging assignments in the liquid petroleum and natural gas midstream segment of the energy industry, including gathering and transmission pipelines.

STV’s national Energy Services Division has a dedicated staff of more than 100 management and technical energy experts with extensive experience throughout the Mid-Atlantic, Gulf Coast, Midwest, Southeast, Northeast and West. Many are former operating personnel from the energy industry who understand the issues that drive investment decisions. STV’s depth and resources enable us to serve our clients from initial concept through feasibility study, preliminary engineering, environmental permitting, full design, field services, construction and into operation.

Driven by our focus on quality and client service, we employ an integrated, multidisciplinary approach and provide exceptional project management services. Likewise, we excel on projects of all sizes, frequently working under continuous service agreements. At STV we measure success by the longevity of our client relationships and the number of safely completed projects, which exceeds hundreds of assignments.

REPRESENTATIVE CLIENTS

- Baltimore Gas and Electric Company
- BP US Pipelines and Logistics
- Buckeye Partners, LP
- Chevron
- Colonial Pipeline Company
- Dominion East Ohio
- Explorer Pipeline
- ExxonMobil Pipeline Company
- Kinder Morgan, Inc.
- Linde Inc./BOC Gases
- NiSource, Inc./Columbia Gulf Transmission Corporation
- NuStar Energy
- PECO Energy Company
- PPL Electric Utilities
- PPL Interstate Energy Company
- Praxair, Inc.
- PVR Midstream, LLC
- Shell Pipeline
- Sunoco Logistics, LP
- Valero
STV’s long-term relationships with major U.S. petroleum companies cover all aspects of the business including capital development, maintenance, integrity management, third-party encroachment, pipeline relocations and new business ventures. Our experience encompasses complete life-cycle assistance from conceptual engineering, initial studies and pipeline route planning, through front-end and detailed engineering design and project management, to equipment procurement assistance and post-design services. We have supported our pipeline industry clients with new cross-country pipelines and pipeline relocations, providing traditional as well as innovative technology designs and supplying construction assistance from field surveys to complete construction management services. A leader in using trenchless technologies when feasible or environmental conditions warrant, we perform all environmental services with an in-house staff of regulatory specialists and scientists, who excel at obtaining and coordinating routine and difficult permits.

STV provides engineering and design services for pump metering and blending facilities, as well as for the installation of instrumentation systems, custody transfer metering and blending facility projects. We are equally adept in the planning and design of pumping stations, terminals, tank farms, plants, receiving and delivery stations, administrative and maintenance facilities, and associated infrastructure improvements.

Even before the recent discovery and exploration of the tight shale natural gas reserves, STV has had a long history of working with the natural gas industry. As part of our utility natural gas energy services program, we recently completed several major utility companies’ pipelines and facilities required to convert their major Mid-Atlantic power production to natural gas, successfully planning, permitting, selecting the routes, designing and providing the pipeline interconnections and related facilities.

We complement our utility business with servicing the build-out of the pipeline and facility infrastructure accommodating the unconventional natural gas midstream plays across the country, including the Marcellus and Utica Shale developments. Our wide range of services in support of the unconventional gas plays includes project/program management, pipeline route studies, feasibility studies, preliminary engineering, environmental permitting, final design and construction support. With decades of experience working for gas and oil companies in these regions, we are well-versed in managing the logistics and obtaining timely approvals from the local, state and federal environmental regulatory agencies. Recent projects involve natural gas gathering pipelines, water lines, compressors, metering, traps, dehydration and accompanying facilities.
ELECTRIC TRANSMISSION + FACILITIES
(SUBSTATIONS, SWITCHYARDS)

The United States’ need for safe and reliable electrical power is projected to substantially increase in the upcoming decades as demand continues to stress our nation’s aging electric grid and support infrastructure. In addition, increased renewable energy generation capacity, new natural-gas-fired power generation and anticipated industrial/manufacturing resurgence will result in grid expansion opportunities and challenges for the nation’s utility infrastructure. For decades, STV has serviced the electric utility power generation, transmission (including substations and switchyards), distribution and related industrial facility business.

Whether electricity originates from traditional power plants or alternative sources like wind and solar, electrical transmission support is vital to public and private utilities as the nation continues to upgrade its aging grid infrastructure. Specializing in project planning, environmental studies, survey, design, resource permitting and construction-related services, we provide green field development, upgrades and renovations. Our linear projects include above-ground and underground transmission lines, distribution systems, industrial support buildings and maintenance facilities.

ENVIRONMENTAL + ENGINEERING AGENCY PERMITS AND APPROVALS

With extensive experience working in the energy and environmental services markets, STV excels in performing the technical studies required to secure environmental- and engineering-driven local, state and federal permits and approvals for linear and related facility projects. We are also adept at the acquisition of engineering-driven approvals such as local, state and federal highway crossings; water, electric and utility impacts; railroad crossings and parallel occupancy, as these represent critical components in the project approval process.

Employing proven permitting methods, STV routinely partners with our clients’ environmental compliance program initiatives to improve the process as specific assignments and implementation details become available. Experienced in building long-lasting and effective working relationships with agencies having purview over the projects, we effectively fulfill their expectations and requirements, applying regulatory-compliant and defensible science to each project. STV’s execution strategy has proven to be successful for those permits and approvals traditionally encountered in the course of capital, maintenance and regulatory-driven projects and programs.
NATURAL GAS PIPELINE SYSTEM REINFORCEMENT PROJECT
Howard County, MD
Photo © RVOIII Photography

CRUDE OIL DELIVERY SYSTEM
Beaumont, TX

NATURAL GAS TRANSMISSION LINE
Northampton County, PA

BULK CRUDE RAIL UNLOADING FACILITY
Philadelphia, PA

GASOLINE AND DISTILLATE DELIVERY CAPACITY EXPANSION
Atlanta, GA, to Chattanooga, TN