SCE is a leader in wastewater utility engineering and aims to provide the appropriate engineering solution to each of our Client’s system’s situation, whether it requires simple O&M recommendations, to process equipment, to new construction. SCE develops custom, complete & cost-effective solutions that meet our Client’s needs. Other complete services which our firm provides include all aspects of wastewater-related services, including initial investigations, planning, preliminary and final design, permitting and related regulatory approvals, cost estimates and bid and construction phase services. Additionally, SCE is also experienced in implementing projects funded through the New Jersey Environmental Infrastructure Trust (NJEIT).

Services Offered
- Gravity Collection System Design
- Wastewater Collection System Modeling
- Chemical Feed Systems
- GIS System Mapping
- Asset Management Planning
- Lift Station Facility Improvements
- Force Main Design
- Infiltration & Inflow Studies
- Package Wastewater Plants
- System Evaluation/Condition Assessment
- Manhole Inspection & Repairs
- Low Pressure Sewer Systems
- Industrial & Control Facility Operations & Compliance
- NJEIT & USDA Funded Projects
- Construction Observation & Reporting
- Operation & Maintenance Manuals
- Odor Control Systems
- Discharge Permitting
- Licensed Operator Services
- As-built Plans

Memberships
- NJWEA
- NJWA
- AEA
- WEF
- SSPC
- NJPO/APA
- ASCE
- ASDSO
- NJSME
- NJSPLS
- NACE
- IRWA

Client Demographics
- Municipalities
- Utility Authorities
- Private Utilities
- NJ State Departments
WASTEWATER ENGINEERING SERVICES

Commited to Excellence, Economy & Environment

Our purpose is to facilitate and advance the goals of our Clients and communities. Every day we are inspired to be better than we were the day before and we know our Clients expect nothing less. SCE leads plans from concept to completion, extrapolates ideas, eliminates roadblocks and advocates solutions that surpass expectations, turning vision into reality.

Professional Staff
➢ Professional Engineers (PE)
➢ Professional Land Surveyors (PLS)
➢ Certified Municipal Engineers (CME)
➢ Professional Planners (PP)
➢ Licensed Landscape Architects (LLA)
➢ Environmental Scientists
➢ Certified Public Works Manager
➢ OSHA Certified Safety Inspectors
➢ Licensed Site Remediation Professionals (LSRP)
➢ Certified Floodplain Managers
➢ LEED Green Associates
➢ Designers / CAD Drafters
➢ Construction Observers
➢ GIS Analysts & Field Technicians
➢ Drone/UAV Pilots
➢ Accounting / HR / Marketing
➢ Information Technology

NJ I-BANK
New Jersey’s Infrastructure Loan Program

SCE has successfully submitted NJ I-BANK loan applications for water and wastewater infrastructure improvements and is proficient and knowledgeable in the NJ I-BANK protocols.

These loan applications require environmental planning and cultural resources for the issuance of environmental decisions and requires a separate application for each project.

SCE can assist qualified applicants to meet the criteria in a cost-effective and expeditious manner.

Familiar with recent NJ I-BANK funding modifications and the NJDEP amended Intended Use Plan (IUP).
SCE’s mission is to provide cost-effective, forward-thinking solutions that effectively assist water systems in complying with today’s challenging regulatory environment. With open communication and working in partnership with municipal utility authorities and local government agencies, SCE facilitates development, improvements, maintenance, operation and safety of critical utility infrastructures for our public and private utility Clients. Our substantial resume of recent water distribution improvement projects range in size, scope and complexity and have included services such as jack & bore crossings, horizontal directional drilling, rail road crossings, water main CIPP lining and open cut stream crossings.

**Services Offered**

- Asset Management Plans
- GIS System Mapping
- Water Quality Accountability Act Implementation
- Cyber Security
- Well Design / Rehabilitation
- Chemical Feed Systems
- Corrosion Control Systems
- Construction Administration, Inspection & Reporting
- Pump Stations
- Non-Revenue Water Analysis
- Water Storage Tanks
- IDSE Plans
- Fire Flow Testing / Suppression Systems
- Water Allocation Permitting
- Consumer Confidence Reports
- Water Treatment Facility Design
- Booster / Interconnection Facility Design
- NJ I-BANK Funded Projects
- Site Improvements
- System Evaluations / Conditions
- As-built Plans
- Operation & Maintenance Manuals
- Water Meter Automations
- Water Distribution & Transmission Mains
- Water Distribution System Hydraulic Modeling

**Memberships**

- AWWA
- NIWA
- WEF
- SSPC
- NJWC
- AEA
- NIPO/APA
- ASCE
- ASLA
- ASDSO
- NISME
- NISPLS
- NACE
- IRWA

“SCE is prequalified by the New Jersey Water Association to provide engineering services under the “Engineering Services for Small Water Systems” initiative.”
Since its inception, SCE has been providing Clients with a formula for success by recognizing that all projects must involve innovative, creative vision, technical expertise and economic considerations. Utilizing a wide range of professionals for each project to allow for a more diverse and unique set of services, SCE works closely with Clients to develop a strategic approach while diligently managing and coordinating every step of each project. We are committed to approaching projects with an eye towards Excellence, Economy and Environment.

SCE is a multi-disciplinary engineering consulting firm that offers a full range of services to meet the needs and expectations of our water industry Clients.

**Water Quality Accountability Act (WQAA)**

SCE supports Clients in meeting the regulations of the Water Quality Accountability Act (WQAA), which imposes testing, reporting, management and infrastructure requirements on applicable water purveyors throughout the State of New Jersey.

- **WATER VALVES**
  - GPS Mapped Geographical Location, Inspection & Testing

- **FIRE HYDRANTS**
  - GPS Mapped Geographical Location, Inspection & Testing

- **CYBER SECURITY**
  - Develop Program, Conduct Regular Risk Assessments

- **VIOLATIONS / MITIGATION**
  - Mitigation Plan Submitted Upon Receipt of 3 Notices of Violation

- **ASSET MANAGEMENT PLAN (AMP)**
  - Implement AMP for Inspection, Maintenance & Repair

**NJ I-BANK**

New Jersey’s Infrastructure Loan Program

SCE has successfully submitted NJ I-BANK loan applications for water system infrastructure improvements and is proficient and knowledgeable in the NJ I-BANK protocols.

These loan applications require environmental planning and cultural resources for the issuance of environmental decisions and requires a separate application for each project.

SCE can assist qualified applicants to meet the criteria in a cost-effective and expeditious manner.

Familiar with recent NJ I-BANK funding modifications and the NJDEP amended Intended Use Plan (IUP).
SCE has been actively representing gas utility companies throughout the region for over 30 years. Our professionals aim to provide our Clients with innovative design and engineering solutions to each project’s unique system requirements. Our firm has significant experience with providing gas design and construction field services for projects which range from small distribution and uprating projects to large high-pressure transmission mains and interconnections. Our highly efficient and technical staff is readily available to meet our Client’s stringent project requirements and provide services that keep pace with today’s latest industry standards.

Services Overview

SCE provides all aspects of natural gas-related services including feasibility studies and route planning, surveying, preliminary and final design, construction and environmental permitting, traffic control plans, related regulatory coordination, applications, and approvals, construction cost estimates and bid phase services. During construction SCE provides project management, material tracking and traceability, construction stake-out, construction inspection, Enhanced GIS Data Collection, and As-built survey and plan generation. Additionally, our team has developed GIS systems and implemented data entry standards and requirements on a variety of gas related projects for both public and private utility Clients.
Why Utilize SCE?

Since its inception, SCE has provided Clients with a formula for success by recognizing that all projects must involve creativity, technical expertise, vision and economic considerations. Our approach to our Client’s projects combine a wide-range of professionals with highly diverse areas of expertise, allowing for new and innovative design approaches. We address critical regulatory and environmental compliance requirements with open communication and are committed to achieving all goals by diligently managing and coordinating every aspect of our projects. Let SCE uncover all phases of your projects and safeguard beneficial solutions to guarantee project success.

“SCE has successfully completed survey, design, permitting and GIS data collection services on gas utility infrastructure projects expanding over thousands of roadways throughout the country.”

Services Offered

- Distribution System Layout & Design
- Survey & Basemapping
- Route Feasibility Studies
- Geotechnical Investigations
- Bridge Crossing & Attachment Plans
- Railroad Crossing Plans & Permitting
- Directional Drill Design
- Jack & Bore Design
- Wetlands Mapping
- Traffic Control & Detour Plans
- Soil Erosion Plans
- Hydraulic Profiling & Test Specifications
- Regulatory Agency Coordination
- Property & Easement Acquisitions
- Project Management & Scheduling
- Preconstruction Coordination
- Construction Observation & Reporting
- Project Coordinator Services
- Resident Engineering
- Material Tracking & Traceability
- Enhanced GIS Data Collection
- As-built Plan Generation
- Initial Asset Inventory & Asset Management
- GIS Schema Consulting
- GIS System & Service Area Mapping
- Construction Permitting
  - Local, County & State Road Opening
  - Soil Erosion & Sediment Control
  - Bridge Crossing & Attachment
  - Railroad Crossing
- Environmental Permitting
  - Flood Hazard Area
  - Freshwater Wetlands
  - Highlands
  - Test Water Disposition
  - LSRP Remediation

Committed to Excellence, Economy & Environment

OFFICE LOCATIONS
Flanders, NJ
Wall, NJ
Alpharetta, GA