



Program Development Services



Contact us at www.ses-corp.com or (913) 307-0046

Program Development

SES develops internally consistent and defensible programs that meet social and/or regulatory requirements and the demands of stakeholders, customers, and your bottom line. Our program development and implementation expertise applies to a broad spectrum of disciplines. SES has developed and implemented programs dealing with regulatory compliance, animal welfare, sustainability, GHG emissions reduction, biosecurity and emergency preparedness, and biodiversity. Program development and implementation services include developing program goals, policies and standards; management and implementation guidance; training, and reporting; and program validation or verification.

SERVICES

- Sustainability audits
- Regulatory inspections and third-party verification
- Sustainability protocol development
- Third-party verification
- GHG offset verification
- GHG accounting
- GHG goals and emissions reduction programs
- GHG emissions reporting

REGULATORY EXPERTISE

- ANSI standards
- ARB regulations
- Low Carbon Fuel Standards
- Good Environmental Livestock Production Practices (GELPP)
- Federal and state environmental regulations and statutes, including EPA Clean Air Act reporting requirements

Project Experience

ANSI Standards Development, Best Management Practices, National Pork Producers Council (NPPC)

SES compiled environmental best management practices (BMP) for livestock production to meet American National Standards Institute (ANSI) requirements. SES worked with ANSI to submit the proposed standards, Good Environmental Livestock Production Practices (or GELPPs), for ANSI approval. This was the first time that environmental BMPs for livestock were standardized on a national level.

Animal Welfare Audit Program (AWAP)

SES worked with the National Council of Chain Restaurants and the Food Marketing Institute as well as animal welfare experts and producer groups to train auditors and develop auditing standards based on industry-specific standards. SES developed a web-based database to access and monitor auditor performance.

Sustainability Audits

SES reviewed sustainability practices for a poultry integrator with grower operations in California and produced its auditing protocol. SES audits growers on a three-year cycle to verify the company's sustainability claims.

Sustainability Metrics Definition

SES defined the sustainability metrics that a global top three meat conglomerate presents in its annual sustainability report. Through corporate management interviews and a data review, SES helped the company develop a process to measure and report metrics consistently and accurately.

Biosecurity Plan Generator

In response to the September 11, 2001 attacks on the United States, a large milk cooperative asked SES to develop the technical content for a biosecurity plan generator program for its members. The program addressed all aspects of biosecurity, including the protection of raw milk in transport. The technical content developed by SES was used to develop an online biosecurity plan generator.



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Beef Industry GHG Mitigation

SES evaluated the potential sources and quantities of avoided Greenhouse Gas (GHG) emissions for the global beef industry. SES evaluated mitigation options including the commodity production practices, inputs, productivity, and biomass that can be modified to reduce or avoid GHG emissions or to increase the sequestration of GHGs. SES also provided a review of carbon calculation methodologies and tools as well as estimates for the range of credible carbon emission reductions and sequestration.

Soil Carbon Sequestration Analysis

SES developed a report, "Analysis of How Crop Rotation Impacts Nutrient Management and Sustainability Performance" for the United Soybean Board. The project included an analysis of how crop rotation impacts nutrient management and sustainability performance, including nitrogen management and losses and soil and plant carbon sequestration in an agroecosystem.

Carbon Sequestration Study

SES determined specific rates of carbon sequestration on land controlled by a major livestock producer to identify potential offset available for carbon generated from the client's operations.

GHG Accounting and Reporting

SES worked with an integrated livestock producer to develop a comprehensive inventory of greenhouse gas (GHG) emissions from the company's operations. The inventory included emissions from feed milling, live animal production, slaughter, processing and transportation. As part of the inventory project, SES developed a calculator spreadsheet to estimate methane emissions from manure lagoons, manure composting, and industrial wastewater. SES supported the organization with GHG emissions reporting to the EPA.

Comprehensive Livestock Environmental Assessment and Nutrient Management Plan (CLEANmp) West, Environmental Resources Coalition

SES served as the third-party verification entity for the CLEANmp West program, an EPA-funded program that provided high-quality environmental assessments and nutrient management plans to 500 livestock and poultry producers in the western U.S. SES developed all program documents including assessment checklists, quality management materials, an NMP template, and project database.



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USDA Animal and Plant Health Inspection Service Veterinary Service National Training and Exercise Program

Since 2013, SES has managed a contract with the United States Department of Agriculture (USDA) and Iowa State University, Center for Food Security and Public Health (CFSPH). Under this contract, SES provides program management and technical support to the Animal and Plant Health Inspection Service's (APHIS) Veterinary Service's (VS) National Training and Exercise Program (NTEP). SES provides the following services for the VS NTEP:

- Manages the day-to-day operations of the VS NTEP, including scheduling, meeting planning, and the monitoring of event progress.
- Coordinates with and supports the functioning of more than sixty multi-year events, involving more than 250 participants and subject matter/technical experts throughout the continental United States.
- Designs and conducts surveys to assess training needs, program awareness, best practices, and areas for improvement regarding foreign animal disease emergency preparedness and response. Reports on the quantitative and qualitative analysis findings from the survey responses.
- Manages foreign animal disease incident response surveys, including analysis and reporting. SES is administering the 2022 Highly Pathogenic Avian Influenza (HPAI) Responder Feedback Survey as part of the outbreak response to HPAI, identified in over thirty states.
- Develops and delivers technical documents, standard operating guides/procedures, training programs, and exercise materials.
- Designs, develops, and conducts training exercises.
- Manages and supports the VS NTEP Training and Exercise Planning Workshop (TEPW), held annually.
- Identifies subject matter/technical experts needed for specific events and activities and solicits their participation.
- Provides technical expertise relevant to the VS NTEP.
- Provides monthly status reports on the overall program and individual event progress.
- Develops and distributes quarterly training program newsletter. SES gathers and edits content from federal and state agencies, academics, and industry, and develops content including articles, games, and training calendars.



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Our Clients

Private Entities

SES provides services for major livestock producers, *Farm Journal*, and various law firms

Federal Agencies

U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), Animal Plant Health Investigative Service (APHIS), Veterinary Services, Agricultural Marketing Service, National Organic Program (NOP), U.S. Department of Defense (DoD), U.S. Environmental Protection Agency (EPA), U.S. Department of Homeland Security (DHS)

State Agencies

Animal Health and Agriculture Agencies in: Alabama, Arkansas, California, Colorado, Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Louisiana, Michigan, Mississippi, Montana, Nebraska, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Virginia, West Virginia, Wisconsin, Washington

Organizations

National Association of State Departments of Agriculture (NASDA), Multi-State Partnership for Security in Agriculture, Southern Animal Health Association, Border Governors' Agriculture Worktable, Cultivation Corridor

Trade Associations

Dairy Farmers of America (DFA), Livestock Marketing Association (LMA), Kentucky Corn Growers Association, U.S. Soybean Board and Export Council, National Pork Board, Western Equipment Dealers Association

"I have worked with SES for more than 15 years on a variety of projects and have come to rely on their expertise in developing management systems, standards, training and auditing programs. SES has consistently delivered high-quality projects, on-time and on schedule."

– VP Environmental Engineering for a Large Livestock and Poultry Company



Contact SES

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SES helps companies manage their triple bottom line through actionable, science-based sustainability programs that improve the resiliency of operations and supply chains.

SES is a leader in the field of GHG accounting and offset verification, as well as verification for sustainability metrics and regulatory compliance.

