

Appendix A: Environmental Management System

FY 2020 EMS Goals and Objectives

Requirement		Leadership in sound environmental stewardship at SRS through innovative programs and projects			
Strategy		Continuous improvement in the reduction of the environmental impacts of SRS operations			
Goal	Significant Environmental Aspect	Strategy	Implementation	FY 2020 Status	
Clean Energy Initiatives	Goal #1 Energy Management	• Air Pollutants • Renewable Energy	Operate four biomass plants Implement Environmental Conservation Methods	Site Sustainability Plan	Goal Met. SRS has reduced GHG emissions by operating 4 biomass plants and implementing 28 ECMs.
	Goal #2 Renewable Energy	• Air Pollutants • Renewable Energy	Operate Biomass Cogeneration Facility	Site Sustainability Plan	Goal Met. BCF Facility helps exceed Renewable Energy Goal (>7.5%) with performance of 34.4%. Steam is generated onsite primarily by biomass (with tires and fuel oil as secondary fuel).
	Goal #3 Waste Management	• Discharge to Wastewater Systems • Water Use	Reduce water use through low-flow device installation Continue to seek new ILA reductions	Site Sustainability Plan	Goal Met. SRS installs low-flow devices during maintenance repairs and major renovations. Goal Met. Biomass plant provides significant reduction in ILA water (relative to coal power plant).
	Goal #4 Performance Contracting	• Air Pollutants • Renewable Energy	Continue to look for new opportunities for ESPCs in addition to the existing one	Site Sustainability Plan	Goal Met. SRS is pursuing new ESPCs in addition to the existing ESPCs.
	Goal #5 Sustainable Buildings	• Building Performance and Sustainable Design	Preventive maintenance and energy efficient repairs	Site Sustainability Plan	Goal Met. Energy conservation measures implemented. HVAC upgrades and improved chiller plant efficiencies, LED lighting replacing fluorescent as lighting is repaired.
	Goal #6 Waste Management	• Solid Waste • Pollution Prevention • Use, Reuse, and Recycling Resources	Continue to divert at least 50% of sanitary waste to recycle Continue to recycle excess and construction-related waste	Site Sustainability Plan	Goal Not Met. Of 579 metric tons generated in FY 2020, SRS diverted 48% (278 metric tons) of nonhazardous solid waste for recycling. Goal Not Met. Total C&D diverted waste is 2.8%. No road repaving to generate asphalt and concrete for reuse (for example, road improvement, daily cover).
	Goal #7 Energy Management, Building Evaluations, Benchmarking	• Energy Efficiency and Greenhouse Gas	Continue EISA audits (25% of applicable buildings/year)	Site Sustainability Plan	Goal Met. EISA audits were performed on 16 applicable buildings (~25% of the 63 covered buildings).
Sustainability Goals	Goal #8 Fleet Management	• Alternative Fuel Use • Transportation	Continue to replace gasoline vehicles with E85 vehicles where possible Continue focus on alternate fuel use for light-duty fleet	Site Sustainability Plan	Goal Met. 120 of 135 new vehicles ordered were E-85. 87% of current fleet (835 of 915 vehicles) is either E-85, hybrid, or electric.
	Goal #9 Acquisition and Procurement	• Procurement of EPP Goods	Include statutory Requirements for Sustainable Acquisition in applicable contract actions Evaluate actions to ensure Sustainable Acquisitions	Site Sustainability Plan	Goal Met. All new applicable solicitations included EPP clause and other sustainable acquisition statutory requirements.
	Goal #10 Electronic Stewardship	• Electronics Management • Renewable Energy	95% eligible acquisitions are EPEAT-registered products; recycle/reuse used electronics	Site Sustainability Plan	Goal On Target. Metrics not available for FY 2020 but SRS remains committed to acquiring EPEAT Gold products where available.
Environmental Protection	Goal #11 Data Center Management	• Electronics Management	Continue collecting data to support energy efficient management of data centers	Site Sustainability Plan	Goal Met. SRS continued to collect data to support energy-efficient management of data centers.
	Goal #12 Greenhouse Management and Reporting	• Energy Efficiency and Greenhouse Gases • Transportation	Operate four biomass plants Continue E-85 usage and alternate fuel vehicle leases	Site Sustainability Plan	Goal Met. SRS has reduced GHG emissions due to its operating four biomass plants and continuing to purchase alternative fuel (E-85) vehicles.
	Goal #13 Resilience	• All aspects	Continue to develop Resilience guidance for outdoor workers, Site Operations, and buildings	Site Sustainability Plan	Goal Met. SRS used the Active Risk Manager tool to manage and prioritize risks and opportunities in response to COVID-19.
	Goal #14 Environmental Awareness	• All Aspects	Continue to increase Environmental Awareness across multiple outlets	3Q Procedure 13.5	Goal Met. Developed and improved environmental slides for monthly employee safety meetings, training for new employees, and annual refresher training; participated in outreach; published articles on environmental restoration and compliance in internal Site website.
	Goal #15 Environmental Compliance	• All Aspects	Zero NOVs in CY 2020 Met 100% of regulatory commitments Continuous improvement and development of compliance methodology	3Q Procedure 13.5	Goal Not Met. One NOV received in August 2020 for an ammonia exceedance at G-10 (CSWTF). Goal Met. Met 100% of regulatory commitments in CY 2020. Goal Met. Initiatives include deployment of Gensuite, Blanket EECs, Work Planners Screening for EECs, EC work with STRs.