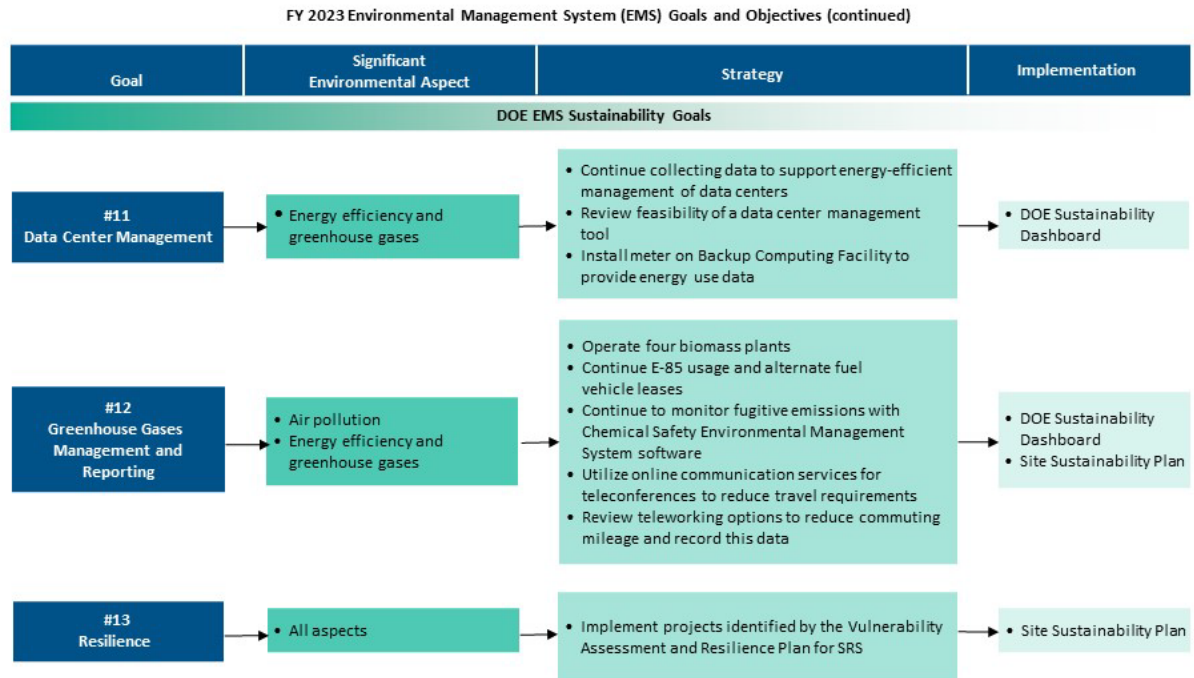


# Appendix A: Environmental Management System

FY 2023 Environmental Management System (EMS) Goals and Objectives

Requirement	Leadership in sound environmental stewardship at SRS through innovative programs and projects		
Strategy	Continuous improvement in reducing the environmental impacts of SRS operations		
Goal	Significant Environmental Aspect	Objectives	Implementation
DOE EMS Sustainability Goals			
#1 Energy Management	<ul style="list-style-type: none"> <li>Air pollutants</li> <li>Energy Efficiency and Greenhouse Gases</li> <li>Renewable energy</li> </ul>	<ul style="list-style-type: none"> <li>Continue operating the four biomass plants</li> <li>Implement and identify Energy Conservation Measures (ECMs)</li> </ul>	<ul style="list-style-type: none"> <li>DOE Sustainability Dashboard</li> <li>Site Sustainability Plan</li> </ul>
#2 Renewable Energy	<ul style="list-style-type: none"> <li>Air pollutants</li> <li>Renewable energy</li> <li>Interaction with wildlife and Habitat</li> </ul>	<ul style="list-style-type: none"> <li>Continue operating the four biomass plants</li> <li>Plan for the 10-megawatt solar field</li> </ul>	<ul style="list-style-type: none"> <li>DOE Sustainability Dashboard</li> <li>Site Sustainability Plan</li> </ul>
#3 Water Management	<ul style="list-style-type: none"> <li>Drinking water quality</li> <li>Surface water or stormwater contamination</li> </ul>	<ul style="list-style-type: none"> <li>Reduce water use by installing low-flow devices and replacing degraded pipes</li> <li>Continue to reduce non-potable (industrial, landscaping, and agricultural) water consumption</li> </ul>	<ul style="list-style-type: none"> <li>DOE Sustainability Dashboard</li> <li>Site Sustainability Plan</li> </ul>
#4 Performance Contracting	<ul style="list-style-type: none"> <li>All aspects</li> </ul>	<ul style="list-style-type: none"> <li>Continue to look for new opportunities for Energy Saving Performance Contracts in addition to the existing one</li> </ul>	<ul style="list-style-type: none"> <li>Site Sustainability Plan</li> </ul>
#5 Sustainable Buildings	<ul style="list-style-type: none"> <li>All aspects</li> </ul>	<ul style="list-style-type: none"> <li>Preventive maintenance and energy-efficient repairs</li> <li>Evaluate buildings that are meeting a significant portion of the Guiding Principles for Sustainable Buildings</li> </ul>	<ul style="list-style-type: none"> <li>DOE Sustainability Dashboard</li> <li>Site Sustainability Plan</li> </ul>
#6 Waste Management	<ul style="list-style-type: none"> <li>Industrial waste generation and management</li> <li>Pollution prevention</li> <li>Solid waste</li> <li>Use, reuse, and recycling resources</li> </ul>	<ul style="list-style-type: none"> <li>Continue to divert at least 50% of sanitary waste to recycle</li> <li>Continue to recycle excess- and construction-related waste</li> </ul>	<ul style="list-style-type: none"> <li>DOE Sustainability Dashboard</li> </ul>
#7 Energy Management, Building Evaluations, Benchmarking	<ul style="list-style-type: none"> <li>All aspects</li> </ul>	<ul style="list-style-type: none"> <li>Conduct 15 Energy Independence and Security Act (EISA) audits (25% of applicable buildings per year)</li> <li>Perform building upgrades for light-emitting diodes; heating, ventilation, and air conditioning; building automation; metering; right-sizing equipment; and other applicable ECMs outlined in the EISA 432 guidance, when feasible</li> </ul>	<ul style="list-style-type: none"> <li>DOE Sustainability Dashboard</li> <li>Site Sustainability Plan</li> </ul>
#8 Fleet Management	<ul style="list-style-type: none"> <li>Air pollutants</li> <li>Energy efficiency and greenhouse gases</li> </ul>	<ul style="list-style-type: none"> <li>Continue to replace vehicles with alternative fuel vehicles (E-85) and obtain low greenhouse gas emission vehicles</li> <li>Install 16 charging stations for 62 battery electric vehicles</li> </ul>	<ul style="list-style-type: none"> <li>DOE Sustainability Dashboard</li> <li>Site Sustainability Plan</li> </ul>
#9 Acquisition and Procurement	<ul style="list-style-type: none"> <li>All aspects</li> </ul>	<ul style="list-style-type: none"> <li>Include statutory requirements for sustainable acquisition in applicable contract actions</li> <li>Evaluate actions to ensure sustainable acquisitions</li> </ul>	<ul style="list-style-type: none"> <li>DOE Sustainability Dashboard</li> <li>Site Sustainability Plan</li> </ul>
#10 Electronic Stewardship	<ul style="list-style-type: none"> <li>Energy efficiency and greenhouse gases</li> <li>Use, reuse, and recycling resources</li> </ul>	<ul style="list-style-type: none"> <li>Acquire electronics that are sustainable (for example, ENERGY STAR®, Electronic Product Environmental Assessment Tool)</li> <li>Continue to recycle electronics by donating to schools, nonprofit organizations, or by using authorized recycling companies</li> </ul>	<ul style="list-style-type: none"> <li>DOE Sustainability Dashboard</li> </ul>



## FY 2023 Environmental Management System (EMS) Goals and Objectives (continued)

Goal	Significant Environmental Aspect	Strategy	Implementation
SRS EMS Environmental Goals			
#14 Environmental Awareness	• All aspects	<ul style="list-style-type: none"> <li>• Provide external workshops and seminars for community awareness in surrounding areas</li> <li>• Provide internal training and seminars</li> <li>• Participate in Department of Energy-Headquarters and internal working groups</li> </ul>	• 3Q Procedures
#15 Environmental Compliance	• All aspects	<ul style="list-style-type: none"> <li>• Zero notices of violation in fiscal year 2023</li> <li>• Meet 100% of regulatory commitments</li> <li>• Evaluate new Site actions and missions for compliance with National Environmental Policy Act and environmental permits and regulations</li> </ul>	• 3Q Procedures
	• Air pollution	• Update the Title V Operating Permit	<ul style="list-style-type: none"> <li>• TV-0080-0041 and TV-0080-0041-C5</li> <li>• SCDHEC Permitting Forms</li> </ul>
	• Discharge of wastewater systems or groundwater	• Renewal of National Pollutant Discharge Elimination System Industrial Wastewater application	• Permit #SC0000175
	• Surface water or stormwater contamination	• Plan to consolidate multiple water discharges to a common outfall	• 3Q Procedures
#16 Environmental Performance Evaluation	• Proposed/Emerging Regulations	• Integration of emerging chemicals and contaminants regulations	• 3Q Procedures
	• All aspects	<ul style="list-style-type: none"> <li>• Conduct self-assessments, management field observations, and preinspections</li> <li>• Conduct and participate in internal audits</li> <li>• Encourage and participate in external audits and inspections</li> </ul>	• 3Q Procedures
#17 Environmental Continual Improvement	• All aspects	<ul style="list-style-type: none"> <li>• Record program enhancements</li> <li>• Participate in issue evaluations (for example, issue investigations, causal analyses)</li> <li>• Develop and create supplementary resources</li> <li>• Update environmental databases</li> </ul>	• 3Q Procedures