

# SUSTAINABLY ENHANCING ENVIRONMENTAL PERFORMANCE



***Our visionary founder, Roy F. Weston, was a proponent of sustainable development generations before sustainability became a mainstream business objective. His leadership paved the way for how we implement sustainable strategies into our projects; sustainability is a core tenant of who we are.***

## THE WESTON DIFFERENCE

**Environmentally Responsible Solutions:** We create and apply approaches for you that are protective of the environment by minimizing air pollution and greenhouse gas emissions; minimizing water usage and impact to water resources; minimizing total energy use and maximizing renewable energy; reducing, reusing, and recycling material and waste; and maximizing social justice and protecting human health, land, and ecosystems.

**Integrating Sustainability with Business Strategies:** We align sustainability efforts with your business strategies to deliver measurable results. From greening a supply chain to designing and implementing sustainable remediation technologies, we create innovative solutions that enhance the environmental footprint of every project and deliver you long-lasting value.

**Compliance Leads to Competitive Advantages:** Initial sustainability efforts may address corporate responsibility and environmental compliance. However, longer term strategies and green solutions can enhance environmental performance, create healthier workplaces and increase worker productivity, increase asset value, and lower operating costs. Green design and improvements to indoor environments translates into significant increases in economic value.

***Sustainable green remediation can be defined as a remedy or combination of remedies whose net benefit on human health and the environment is maximized through the judicious use of limited resources (U.S. Sustainable Remediation Forum [SURF], 2009).***

## SUSTAINABLE DESIGN AND GREEN INFRASTRUCTURE CAPABILITIES

- Product Stewardship
- Stakeholder Coordination
- Lifecycle Cost Analysis
- LEED Consulting, Design, and Certification
- Ecoefficiency Audits
- Wetland and Habitat Assessment
- Waste Minimization and Reduction
- Brownfield Redevelopment
- Air Quality Services
- Water Supply Planning and Stewardship
- Water Reuse Engineering
- Natural Resource Management
- Energy Efficiency and Conservation Measures
- Renewable Energy Development
- Stormwater Management

Project	Highlights	Environmental Performance Benefits
<b>Sustainable Groundwater Remediation</b> ReSolve, Inc. Superfund Site, Massachusetts	<ul style="list-style-type: none"> <li>Designed/built/operated a reductive dechlorination water treatment system</li> <li>Enhanced treatment system</li> <li>Installed a 150-kW solar electric system to power the site</li> </ul>	<ul style="list-style-type: none"> <li>Supply onsite renewable energy</li> <li>Increase energy efficiency to reduce demand</li> <li>Eliminate air emissions</li> <li>Reduce chemical usage, energy demand, waste generation, and O&amp;M costs</li> <li>Create water reuse and stewardship</li> <li>Reduce waste and pollution</li> <li>Develop passive, innovative treatment system</li> </ul>
<b>Rails to Trails Eco-Restoration</b> Roswell Trails New Mexico	<ul style="list-style-type: none"> <li>Conducted rapid feasibility analysis to promote sustainable redevelopment</li> <li>Designed green infrastructure to transform railroad siding as recreational trails</li> </ul>	<ul style="list-style-type: none"> <li>Reclaim industrial land for public use</li> <li>Enhance habitats</li> <li>Increase community participation</li> <li>Created a community asset</li> <li>Restore ecosystem</li> </ul>
<b>Wetland Ecosystem Restoration</b> Former Industrial Site, Massachusetts	<ul style="list-style-type: none"> <li>Developed innovative design/build for PCB remediation of contaminated sediments and restoration of ponds and streams</li> <li>Improved drainage and enhanced natural systems with restorative wetland design</li> </ul>	<ul style="list-style-type: none"> <li>Integrate design/build approach to expedite schedule and manage risk</li> <li>Stabilize and reduce waste</li> <li>Restore pond ecosystem</li> <li>Create wetland and stream habitat</li> </ul>
<b>GreenGrid® Green Roof Systems</b> Public and Private Properties, U.S.	<ul style="list-style-type: none"> <li>Designed/built modular green roof systems to enhance environmental performance</li> <li>Created sustainable green infrastructure with a reasonable return on investment</li> <li>Recycled content and locally sourced materials to green the supply chain</li> </ul>	<ul style="list-style-type: none"> <li>Reduce runoff with onsite stormwater management</li> <li>Enhance wildlife habitat</li> <li>Increase property value, tenant occupancy; create additional outdoor amenity space</li> <li>Reduce heat island effects, increase thermal efficiency, lower energy demand</li> </ul>
<b>Green Remediation</b> Former Manufacturing Site, Illinois	<ul style="list-style-type: none"> <li>Salvaged and decontaminated, for reuse and recycling, over 50,000 tons of steel, aluminum, and copper</li> <li>Reused water generated during demolition and decontamination activities for non-potable use</li> <li>Targeted excavation techniques to reduce waste requiring landfill disposal</li> </ul>	<ul style="list-style-type: none"> <li>Reduce waste via recycling and reuse</li> <li>Minimize carbon footprint via reduced transportation of soil</li> <li>Reduce pollution</li> <li>Limit water usage and promote water stewardship</li> </ul>
<b>Former Iron Mine Restoration</b> Michigan	<ul style="list-style-type: none"> <li>Optimized passive remediation system using inter-connected ponds and limestone boulders</li> <li>Restored wetland areas damaged by historic failures and flooding</li> <li>Procured a solar-powered aerator for onsite energy supply and efficiency</li> <li>Monitoring and maintaining to attain environmental performance goals</li> </ul>	<ul style="list-style-type: none"> <li>Reduce pollution</li> <li>Improve water quality prior to surface water discharge</li> <li>Create passive system to reduce operating costs</li> </ul>
<b>Power Plant Salvage and Decommissioning</b> Holly Power Plant, Texas	<ul style="list-style-type: none"> <li>Expedited facility assessment, hazardous materials building survey, and sustainability plan</li> <li>Decontaminated recyclable materials and reduced PCB-contaminated waste</li> <li>Redeveloped community liability into asset</li> </ul>	<ul style="list-style-type: none"> <li>Transform a blighted industrial site into a community asset</li> <li>Optimize material usage</li> <li>Reduce waste by recycling and salvage more than 15,000 tons of steel</li> </ul>
<b>Water Recovery and Reuse</b> Nestle Waters, Maine	<ul style="list-style-type: none"> <li>Designed water recovery, conditioning, and reuse system</li> </ul>	<ul style="list-style-type: none"> <li>Reduce water demand by 9-million gallons per year, with a financial return &lt;3 years</li> <li>Recovery system provides 60% water supply demand for cooling towers</li> <li>Annual cost savings over \$170,000</li> </ul>