

PARSONS

**Dedication.
Conservation.
Innovation.**

Sustainability



Parsons PLUS envision more

Delivering the future of sustainable solutions

“Sustainability is critical to the global environment and economy. Parsons’ professionals are helping to create a sustainable future through the development of designs, construction methods and materials, and enhanced facilities and systems operations that meet our clients’ expectations now and in the future. Parsons strategically plans for the conservation of finite resources, whether they are fossil fuels, rebar, potable water, or other precious materials, so that they are effectively used and reused in our projects and programs.”

– Chuck Harrington, CEO

For Parsons, sustainability is about balancing the environmental, economic, and social elements of our projects and programs. We actively seek opportunities to preserve and enhance the human and natural environment through the production of project deliverables, our business activities, employee actions, and community engagement. Sustainability is not just a buzzword. At Parsons, it’s at the core of all we do.

Sustainability Starts with Our Staff

Parsons is at the forefront of sustainability implementation for building and infrastructure projects, including integration into project planning, design development, construction, and operational phases. With the increased demand for safe, durable, and economically responsible projects that also conserve natural resources and energy, Parsons provides our clients with assets and systems that are robust and resilient in order to withstand short-term risks, while adapting to long-term changes to environmental conditions. Our approach also emphasizes the importance of creating valuable and contextually appropriate community assets that meet the economic and social needs of the surrounding areas.

Parsons applies and integrates sustainable solutions for projects around the globe. Our experts can provide full life-cycle benefits and sustainable return on investment for all types of projects. Our accumulated experience enables us to integrate sustainable solutions into deliverables for clients across all sectors and industries.



Project Highlights

Eastern Municipal Water District – Solar Photovoltaic System Renewable Energy Perris, California

Parsons provided planning, preliminary design services, and solar installation for the Eastern Municipal Water District in Perris, California. The agency improved energy usage by installing photovoltaic systems, and nearly half of the project was funded using incentives.

Ohio River Bridges, East End Crossing Louisville, Kentucky, and Jeffersonville, Indiana

This unique bi-state public-private partnership transportation project includes the state-of-the-art cable-stayed Louis and Clark Bridge, a roadway tunnel under a historic property, and 8 miles of new-terrain highway. It is the first major river crossing to achieve a Platinum Envision® award from the Institute for Sustainable Infrastructure (ISI). The Envision® framework rewards sustainability achievements during the project's entire life cycle (design, construction, and operations phases).



Gordie Howe International Bridge Detroit, Michigan, and Windsor, Ontario

The Gordie Howe International Bridge is a new international trade crossing over the Detroit River that will connect Michigan with Ontario. This 850-meter crossing, with a new interchange with I-75 and two new ports of entry, will be delivered through a public-private partnership (P3). As the owner's general engineering consultant, Parsons will develop and monitor sustainability performance commitments for all project phases, including establishing Leadership in Energy and Environmental Design (LEED®) and Envision® certification targets and key sustainability performance indicators.



Lake Onondaga Cleanup Syracuse, New York

Parsons assembled a team of more than 100 experts to dredge and dispose of 2.65 million cubic yards of contaminated sediment from Onondaga Lake. Through cleanup and habitat restoration, 184 wildlife species have returned to the lake, both along the shoreline and in the surrounding wetlands.



Royal Commission Headquarters (RCHQ) Yanbu Green Buildings Saudi Arabia

Parsons provided facility design revisions to incorporate sustainability features that meet LEED® performance requirements for the RCHQ in the Yanbu Industrial City. Parsons is also working on the Yanbu Green Building, which will be a LEED® v4 Platinum facility. Parsons is the LEED® project administrator for these buildings, which will be the first two LEED®-certified projects for this client.



Capabilities

Building, Environmental, and Infrastructure Risk Assessments

Commissioning

Ecological Restoration and Preservation

Energy Audits; Lighting and Heating, Ventilation, and Air-Conditioning (HVAC) Retrofits

Energy Modeling and Building Information Modeling (BIM) Studies

Energy Policy Development

High-Performance Building Design, Construction, and Operations

Life-Cycle Analysis (LCA), Greenhouse Gas and Carbon Impact Calculations

Life-Cycle Cost Analysis (LCCA), Payback and Cost-Effectiveness Analysis

Net Zero Building Monitoring

Renewable/Alternative Energy Design and Energy Storage Feasibility

Resilience Planning

Site and Building Evaluations

Stormwater Best Management Practices (BMPs)

Sustainability Program Management and Master Planning

Third-Party Certification Administration (e.g., Envision®, INVEST, LEED®, Living Building Challenge, Estidama Pearl Rating System)

Water Reuse, Reclamation, and Desalination



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