

PARSONS

Water Resources



When the challenge is water resources, the choice is Parsons

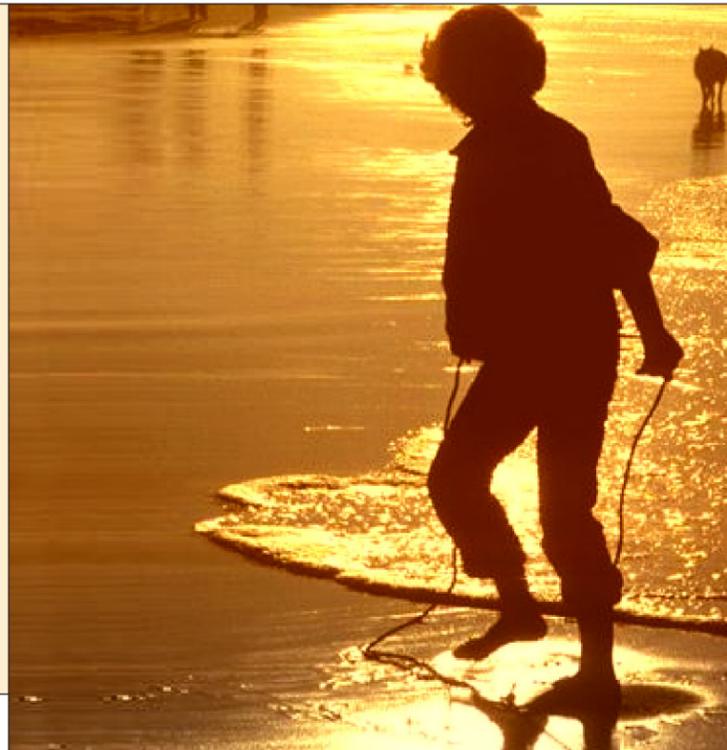
Balancing human and environmental demands on the world's finite surface and groundwater resources is a daunting challenge. Society often has too little or too much water. Fresh water resources often fall short of society's demands—or appear as storms, hurricanes, and floods that destroy property and ecosystems. The World Water Council believes water management professionals “face a challenge the magnitude and complexity of which no earlier generation has ever had to face.”

Delivering Comprehensive Solutions

Providing flood protection or supplying safe, affordable, and sustainable supplies of water for all beneficial uses, while protecting the world's aquatic ecosystems, is something Parsons firmly understands. For nearly 70 years, Parsons has helped municipalities, utilities, and government agencies with a full range of water resource engineering capabilities and construction services. Parsons' technical data, innovative tools, and comprehensive solutions have effectively addressed complex water quality, water supply, stormwater, sedimentation, and flood control issues around the globe.

With proven expertise in environmental regulatory processes, and an understanding of the natural systems affecting ground and surface water, Parsons provides world-class scientific and engineering solutions for delivering, conserving, and managing water resources effectively.

Whether you need a surface water storage facility, watershed management plan, water transmission facility, regional groundwater supply model, hydropower facility, stormwater management program, flood abatement plan, in-stream flow assessment, or ecosystem restoration plan, Parsons has the technical expertise, geographical diversity, and depth of resources to manage and deliver your project from start to finish.



Providing Integrated Approaches

Water supply, water quality, and stormwater issues are often best solved at the watershed level by an integrated team of technical, agency, and stakeholder members.

To address water supply and demand conflicts, Parsons offers integrated regional planning, geographic information, and decision support systems. Our forecasting models and program management systems enable clients to better predict costs and environmental impacts of delivering water to growing communities. Field monitoring, hydrodynamic modeling, wetlands delineation, mitigation planning, and other tools help our clients select the most effective management decisions.

Parsons takes pride in employing the most current scientific and engineering principles associated with watershed management and ecosystem restoration. Our integrated approaches for watershed management, ecosystem restoration, and asset management—combined with solid scientific and technical capabilities—help ensure permissibility and regulatory compliance. The result is a wisely balanced solution for your water resource needs—regardless of the project's size, complexity, or location.

Parsons' Capabilities

- Aquifer storage and recovery (ASR)
- Combined sewer overflow (CSO) analysis
- Conjunctive management planning
- Dam safety analysis
- Ecosystem restoration and geomorphic assessment
- FEMA flood insurance studies
- Flood control, sedimentation, and river engineering
- Groundwater development and management
- Hydraulic modeling and design
- In-stream flow assessments
- Reservoir operations analysis
- Stormwater utility development and implementation
- Total maximum daily loads (TMDLs)
- Water rights and water availability modeling
- Water quality monitoring and assessment
- Watershed-based stormwater planning and design
- Wetlands mitigation banking



Water Resources



PARSONS

4701 Hedgemore Drive
Charlotte, NC 28209
Phone: +1 704.558.4288

www.parsons.com