

Brown and Caldwell Services



In a dynamic world where innovation and custom solutions are often needed to solve complex challenges, Brown and Caldwell is constantly evolving our services to suit client needs. This list offers a sampling from our major practice areas.

Wastewater/Reclamation



- Treatment Process Design
- Solids Management
- Industrial Pretreatment
- Industrial Water Quality
- Disinfection
- Odor Control/Air Quality
- Pilot/Treatability Testing

Conveyance Infrastructure



- Pumping Station Design
- Distribution/Collection Systems
- Infiltration/Inflow Reduction
- CSO/SSO Reduction
- Condition Assessment
- Rehabilitation/Replacement Programs

Planning/Technical Support



- Treatability Studies
- Treatment Plant Optimization
- Hydraulics
- Master Planning/Modeling
- Capacity Assessment
- Facilities Planning
- GIS Development/Mapping
- Electrical and Process Automation
- Data Management
- Stakeholder Outreach

Emerging Specialties



- Nutrient Control
- Infrastructure Renewal
- Membrane Treatment Technologies
- Combined Heat & Power Systems
- Urban Water Planning
- Leachate Management
- Green Remediation Systems
- Renewable Resources

Drinking Water Supply and Treatment



- Hydrogeology/Hydrology
- Resource Investigations
- Conservation Programs
- Water Reuse
- Aquifer Recharge
- Reservoirs/Storage
- Treatment Process Design
- Groundwater Wells

Utility Performance



- Asset Management
- Change Management
- CIP Planning/Prioritization
- Regulatory and Enforcement Support
- Business Process Optimization
- Information Technology/Management

Water Resources/ Stormwater



- Watershed Planning/Management
- Stormwater Management
- Water Quality Management
- Green Infrastructure
- Ecosystem Restoration
- Wetlands and Ecosystem Assessment
- Integrated Resource Planning
- Conservation and Drought Planning

Compliance and Permitting



- Permitting and Auditing
- Environmental Impact Assessments
- Environmental Monitoring (Air, Soil, Water)
- Modeling and Design
- Regulatory Planning/Review

Integrated Project Delivery



- Program Management
- Construction Management
- Owner's Advisory Services
- Remedial Systems Operations
- Design-Build

Energy and Sustainable Development



- Energy Management/Alternative Energy
- Triple Bottom-Line Analysis
- Low-Impact Development
- Water Footprinting
- Greenhouse Gas Management
- Climate Change Adaptation

Operations and Maintenance



- Asset Optimization
- Operations Management Services
- Facility Startup, Commissioning, and Decommissioning
- OMS Connect Online O&M Manuals
- Maintenance Improvement Initiatives
- Staff Augmentation and Training

Drinking Water Supply and Treatment



- Site Investigation
- Feasibility Studies
- Remediation Design
- Solid Waste Management
- Risk Assessment
- Decommissioning/Decontamination