

Water Supply Planning

Increasing demand and complex regulations require an experienced team of professionals

Full Service Solutions

AMEC's Earth & Environmental operations offer full-service solutions to clients throughout North America and internationally, providing professional services in planning, developing, managing, financing, expanding, operating and protecting their water supplies. AMEC's team of water resource planners, engineers, scientists and technicians combine state-of-the-art technology with practical experience to deliver solutions to today's challenges of providing tomorrow's water.



Defining the Problem

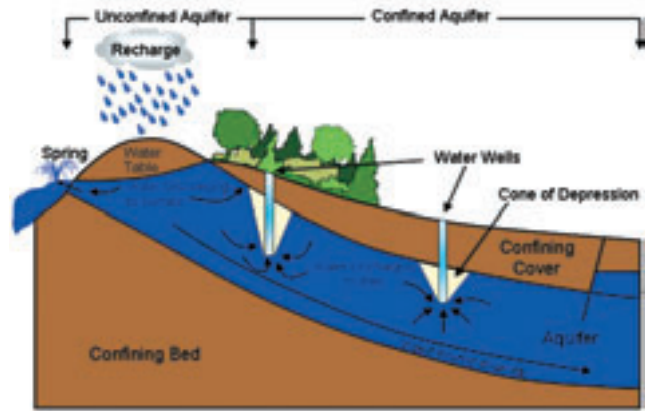
Demand for potable water is increasing throughout North America, as well as around the world. Experts predict that providing adequate water supply is this century's biggest natural resource challenge. Increasing demand coupled with stricter environmental regulations, aging infrastructure, declining water quality, and prolonged droughts are issues facing many public suppliers. Finding feasible and responsible solutions requires a variety of skills, experience and innovation. AMEC's team of water resource specialists brings these expertise to our clients.

AMEC provides comprehensive water supply services. These include:

- New Source Planning
- New Source Development
- Existing Supply Optimization
- Wellhead Protection
- Water Supply Watershed Protection
- Policy Alternatives / Analysis
- Conservation Strategies
- Permitting and Regulatory Assistance
- Client Advocacy
- Source Water Supply Planning
- Financing Options
- Drought Response and Mitigation
- Water Reuse Strategies
- Regional Evaluations and Solutions
- Interbasin Transfer Issues
- Public Education and Outreach
- Dam Feasibility Studies
- Comprehensive Water Supply Management
- Supply and System Security
- Rate Studies
- Demand Management
- Alternatives Analysis
- NEPA, EA, EIS Documents

Planning

- Reservoir Siting
- Dam Feasibility Studies
- Existing System Evaluations
- Existing Dam Evaluations
- Well Siting
- New Well Development and Construction
- Alternatives Identification and Feasibility
- Demand Analysis
- Water Budgets
- Water Balancing and Distribution Evaluations
- Storage Analysis
- NEPA, EA, EIS Documents
- Permitting
- Drought Response and Mitigation Strategies
- Emergency and Backup Supply



Policy

- Policy Alternatives and Analysis
- Client Advocacy / Permitting Assistance
- Comprehensive Water Resources Management
- Regional Evaluation and Solutions
- Interlocal Agreements
 - Interbasin Transfer Issues
- Economic Evaluations
 - Financing Options
- Rate Studies and Methodologies
- Management and Optimization Studies
- Ordinance Development
- Utility Development
- Allocation Strategies

Protection

- Wellhead Protection
- Water Supply Watershed Protection
- Source Water Supply Protection
- Supply and System Security
- Existing Supply Optimization
- Develop Operations Plans
- Regulatory Compliance
- Water Treatment Expertise
- Water Quality Monitoring / Modeling
- Innovative Supply Enhancement Techniques
- Conservation and Reuse Strategies
- Public Education and Outreach



For a list of office locations, company contacts and other services refer to:
www.amec.com/earthandenvironmental