



CSC is committed to delivering innovative solutions in support of EPA's environmental science, research, education and assessment efforts. Whether developing an award-winning national data exchange system, supporting first responders in time of crisis, leading the way with green IT or developing a system that can help protect the nation's water supply, we have been there helping the EPA apply ingenuity and technology to meet challenges of national and global importance for more than 30 years.

Our thought leadership, depth and breadth of experience, and "EPA-first" client-focused attitude make us the ideal partner to help the EPA execute its vision and navigate the challenges facing the nation in the 21st century.

We understand the business of the EPA. Our experience—which spans the agency and includes information technology, science and engineering, and regulatory programs—gives us a unique, enterprise-wide perspective that is vital to delivering comprehensive solutions that meet mission-critical needs. We leverage this expertise—along with innovative tools and technologies and proven best practices—to deliver collaborative solutions that increase efficiency, improve accuracy and support environmental decision making.

# ENVIRONMENTAL SOLUTIONS

*CSC delivers scientific, regulatory policy and information technology solutions in support of the Environmental Protection Agency's mission to protect human health and the environment.*





### CSC Mission-Focused EPA Solutions

- Information collection and analysis
- Scientific application development
- IT infrastructure services
- Laboratory and environmental monitoring
- Scientific support
- Modeling and simulation
- Emergency management
- EPA mission support
- Regulatory policy consulting

### Applying IT for a Cleaner, Healthier Environment

CSC delivers innovative IT solutions in support of a wide variety of EPA initiatives, including information collection and analysis, scientific application development, and enterprise-wide infrastructure services.

Acquisition, storage and processing of environmental information are vital to effectively managing programs and providing a cleaner, healthier environment. The EPA's award-winning Central Data Exchange (CDX)—which was developed by an EPA/CSC team—is revolutionizing the exchange of environmental information between the EPA and its partners: states, tribes and industry. As part of this far-reaching initiative, CSC has collaborated with the EPA in the development of several other CDX-related projects, including:

**Verify:** a Web-based engine and vehicle compliance system

**Toxics Release Inventory:** a database on toxic chemical releases and waste management activities

**Safe Drinking Water Accession and Review System:** a system that monitors public water contaminants

**Risk Management Plan:** a Web-based system that ensures that facilities have plans in place to prevent and respond to chemical emergencies

In addition to developing hundreds of applications in support of the EPA and its scientific programs, CSC also provides IT infrastructure solutions. As part of the ITS-EPA contract, CSC delivers a complete range of nationwide solutions, including call centers, VoIP and LAN support, desktop and email support, high-performance computing services, facility operations, enterprise-server support, and Web application development.

### High-Impact Science and Engineering

CSC has a long history of providing innovative science and engineering services to the EPA. Beginning in 1978 with our pioneering efforts in sample tracking and data management in support of the Clean Water Act and continuing to today with our breakthrough work in disaster preparedness and response, CSC has been there to help the EPA meet emerging challenges with high-impact scientific and engineering solutions.

We work in partnership with the EPA to ensure that it leverages state-of-the-art technologies and best-practice processes for important laboratory and environmental monitoring programs. For example, we have standardized and validated more than 100 chemical methods for the EPA and led the movement in the U.S. toward quantitative performance-based microbiological methods for water monitoring. We currently provide broad-based support to the EPA's drinking water, wastewater, Superfund, Brownfields and research programs, including regulatory support, training and outreach, laboratory program management, and environmental-data assessment.

### Ingenuity in Action

The EPA/CSC team has collaborated on a number of innovative initiatives such as:

**Green IT:** With the help of CSC's groundbreaking green IT strategies, the EPA has been improving energy efficiency, reducing costs and decreasing its carbon footprint. The results have been impressive. Server consolidation across 13 research and development laboratories has saved an estimated \$394,000 per year in energy costs. A full-life-cycle green IT program underway at the desktop-level is expected to reduce energy consumption by 77.6 million kilowatt hours over eight years.

**Emergency Response:** CSC works with the EPA to develop response plans for natural disasters or intentional incidents. As part of this effort, we provided on-site support in the wake of Hurricane Katrina, the Columbia space shuttle accident, and the World Trade Center attack. We also play a vital role in establishing the infrastructure needed for swift and effective emergency response. Our work on the EPA's Emergency Operations Center and Regional Response Centers has been recognized by leading security and emergency response publications.

**Water Supply Security:** As part of the EPA's Water Security Initiative, CSC helped develop and implement a pilot program that will serve as a national water security model for other utilities to adopt. The program, undertaken with the Greater Cincinnati Water Works, includes online water quality monitoring, sampling and analysis, enhanced security monitoring, consumer complaint surveillance, public health surveillance, and the development of a consequence management plan.

### Find Out More

For more information on our exciting work with the EPA visit [csc.com/epa](http://csc.com/epa).

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