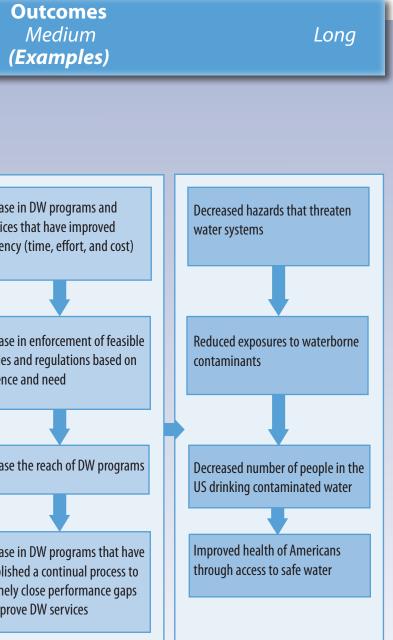# Logic Model
Using the Environmental Public Health Performance Standards to Improve Program Performance to Control Drinking Water Exposures

Inputs	Activities	Outputs (Examples)	Outcomes — Short	Outcomes — Medium (Examples)	Outcomes — Long

Inputs

Drinking water programs and activities:

Public and private partnerships

Proven experience in water program management

Completed performance assessment of DW program using the 10 essential services, including gap analysis and performance improvement plan to address gaps

Leveraged funding

Policy environment

CDC:

Technical Assistance,

Training, Guidance

Activities (Examples)

Strategy: Improve drinking water (DW) program efficiency and effectiveness by closing programmatic gaps

- Organize DW quality, water system and health data in a format that aids clear communication and interpretation by the public and policy makers.
- Collect and use DW hazard, exposure, and health outcome data from a range of sources involved in environmental and public health protection (e.g. epidemiology, disease registries, tracking partners, local and state departments of environmental quality).

Develop partnerships with epidemiologists, statisticians, laboratory professionals, toxicologists, hydrologists, and others needed to assist in analyzing DW program data (hazards, exposures, health outcomes).

Establish working environments/coalitions so that multiple partners (e.g., health department, planning and zoning, public works, building, environmental advocacy groups, and the media) have a forum to work together on DW education and promotion activities.

Develop partnerships among government agencies and the private sector to enhance DW program effectiveness.

Promote prevention and protection policies for community members who bear a disproportionate burden of disease, or that are at greater risk of exposure to DW hazards.

Organize the updating and/or modification of existing, or new laws, regulations, and ordinances designed to assure and improve DW protection programs and DW quality.

Create and provide leadership for work groups of multiple agencies that have responsibility for assuring that DW program services delivery system is coordinated, timely and responsive to all community members.

Communicate workforce gaps and needs to appropriate stakeholders (governing bodies, advisory groups, academic institutions, and public and private agencies) that have the capabilities to effect change.

Develop an activity to assess and measure the satisfaction of stakeholders and residents with drinking water services program that includes a process to provide increased quality of services.

Develop partnerships with colleges, universities and research organizations needed to conduct drinking water research to improve program performance.

Outputs

- Surveillance systems established
- The timely processing of DW samples & inspections
- Investigations/assessments completed to relate DW problems to environmental factors

- The implementation of community meetings with diverse representation
- The delivery of targeted DW educational activities (social media, web, etc.)
- Partnerships/coalitions establshed

A plan to revise and create feasible new policies/ regulations/ recommendations

- A plan to collect standardized data to identify hazards and exposures
- An evidence-based intervention plan to identify & remove hazards

A written, inclusive workforce improvement plan to assure timely delivery of DW services

A plan to assess the improvement of customer satisfaction

A written agreement between DW researchers to prioritize issues and share findings

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Outcomes — Short

Increase in community awareness of DW problems, hazards, exposures and related illness

Increase in awareness and knowledge about the policies/ regulations that affect DW

Increase in the willingness of partner organizations to collaborate in evidence-based activities to reduce exposure to DW contaminants

Increase customer satisfaction with DW services

Outcomes — Medium (Examples)

Increase in DW programs and practices that have improved efficiency (time, effort, and cost)

Increase in enforcement of feasible policies and regulations based on evidence and need

Increase the reach of DW programs

Increase in DW programs that have established a continual process to routinely close performance gaps to improve DW services

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Outcomes — Long

Decreased hazards that threaten water systems

Reduced exposures to waterborne contaminants

Decreased number of people in the US drinking contaminated water

Improved health of Americans through access to safe water

Program Scope

- Safe water activities focus on individuals and systems not protected by the Safe Drinking Water Act.
- Safe water priorities are to improve drinking water program performance and reduce exposure to waterborne contaminants in the US.

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