

Draft Water Sector-Specific Plan

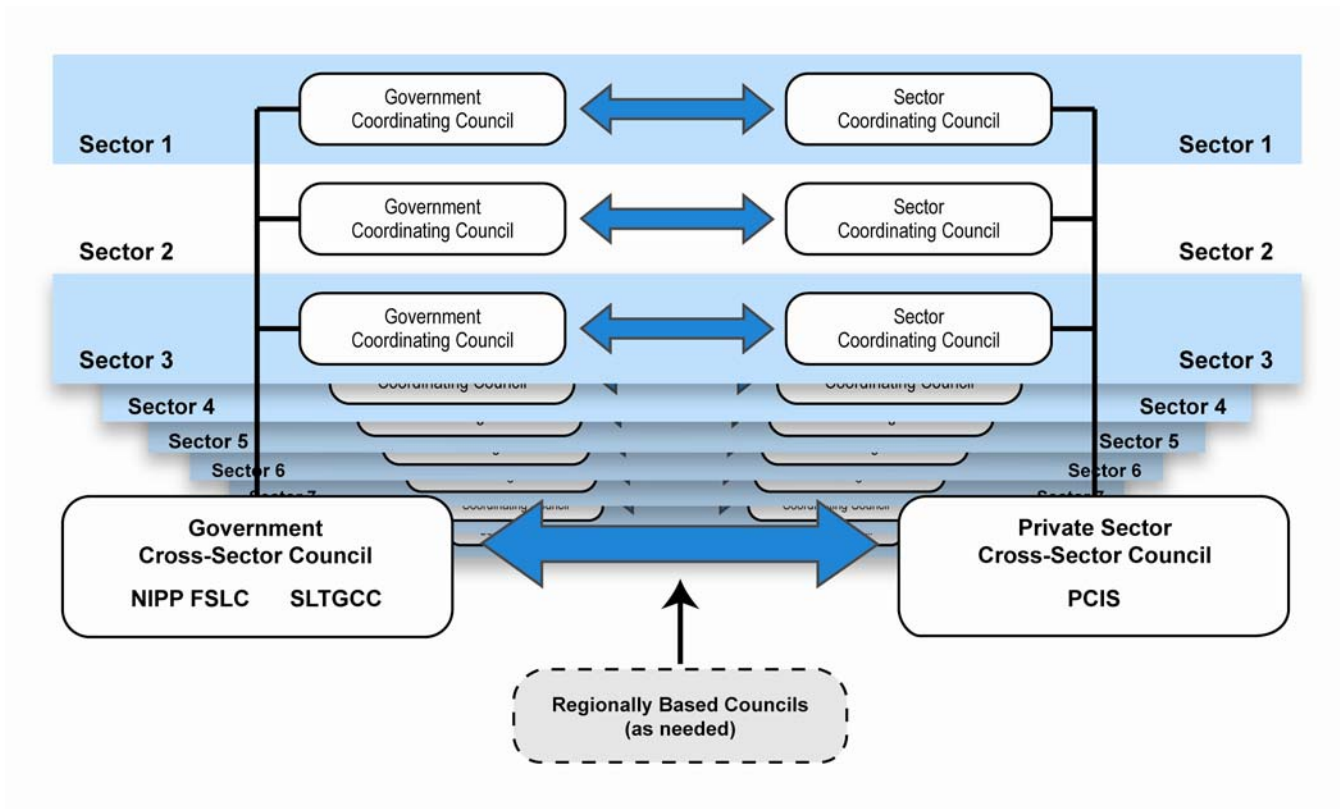
National Association of
Regulatory Utility Commissioners

February 19, 2007

- History
- Collaboration
- Sector–Specific Plan Chapters
- Meaning to the Water Sector
- Status and Finalization

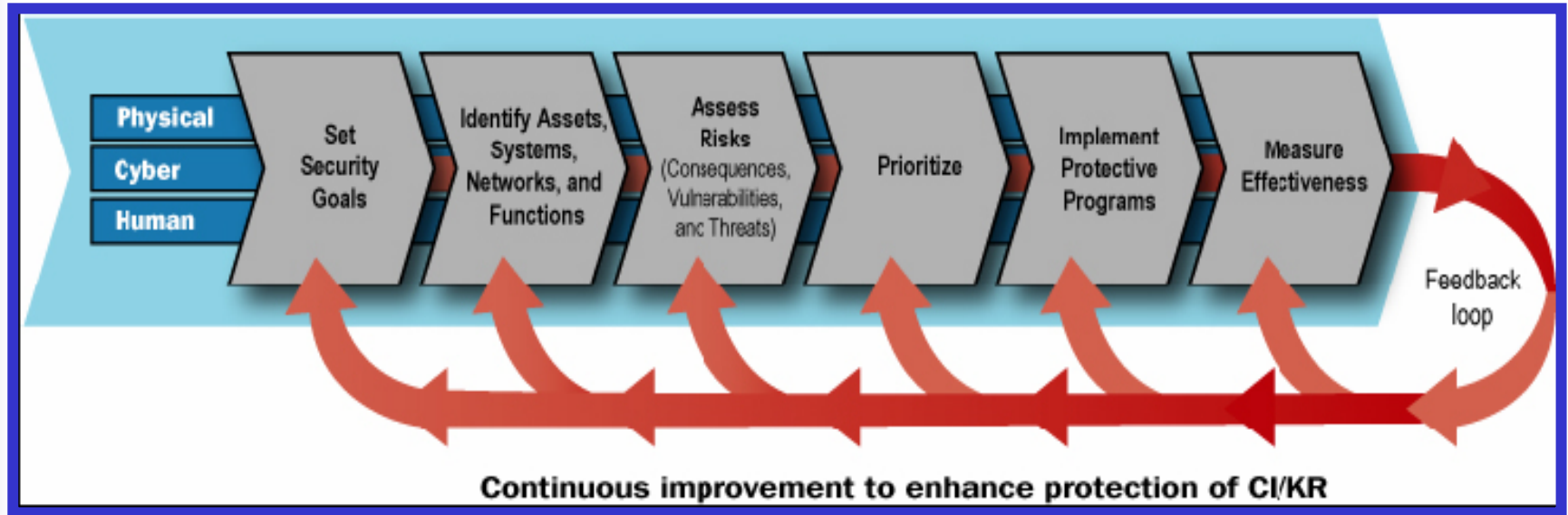
- Process started in early 2004
- Homeland Security Presidential Directive (HSPD) – 7
 - National Infrastructure Protection Plan (NIPP)
 - Strategy to protect all critical infrastructure
 - EPA Sector-Specific Agency (SSA) for the drinking water and wastewater sectors
 - Sector-Specific Plans (SSP)
 - Implementation of the NIPP at the sector level
- First SSP developed in January 2005
 - Revised SSP Guidance April of 2005 and April 2006 (final)
 - All-hazards approach
 - DHS guidance for SSP is standard for all SSAs

NIPP Partnership Model



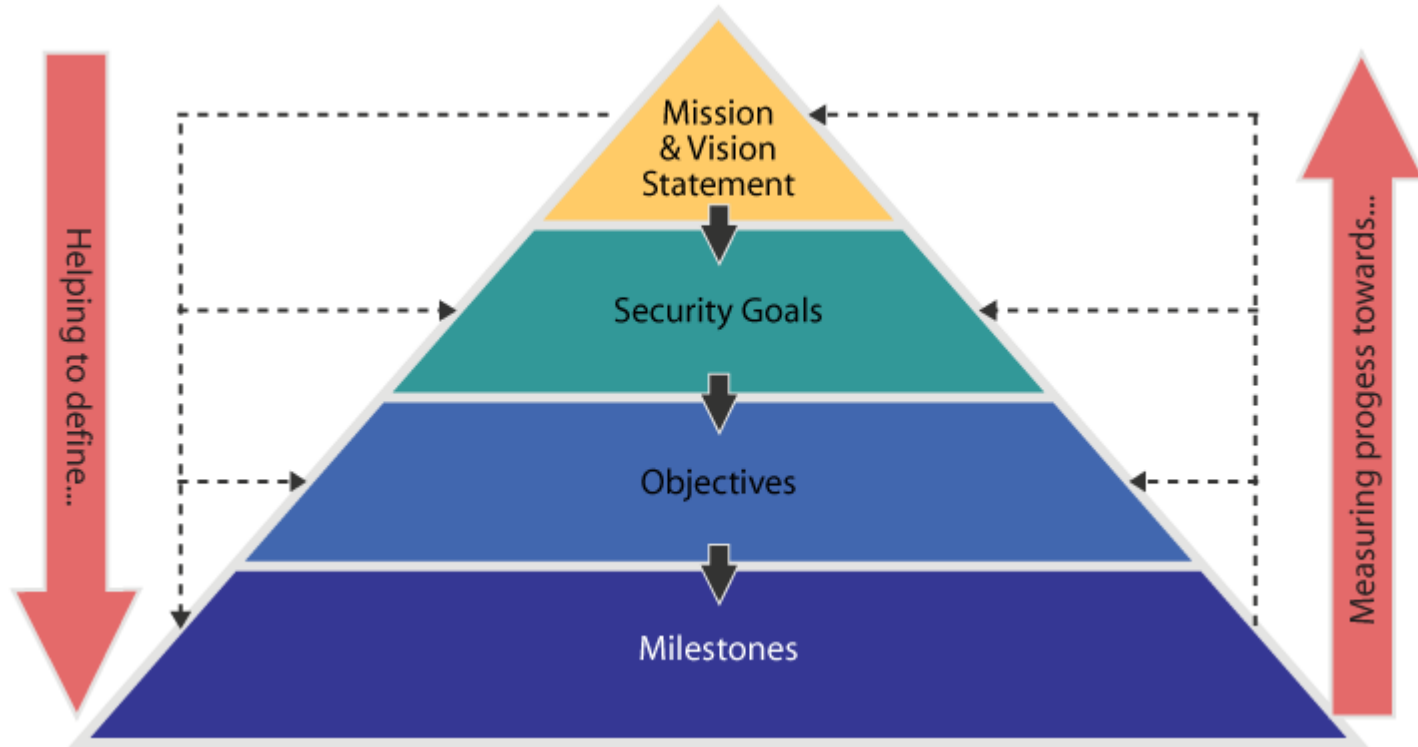
- January and March of 2006 met with the Water Sector Coordinating Council (WSCC) and Water Government Coordinating Council (GCC)
 - Agreed to path forward (process) on SSP development
- NIPP Partnership Model
 - WSCC / GCC SSP Working Group formed
 - Series of facilitated face-to-face meetings and conference calls
 - Process for comments on chapters
- Results
 - Coordinated and representative SSP

NIPP Risk Management Framework



$$\text{Risk (R)} = f \{ \text{Consequence (C)} \times \text{Threat (T)} \times \text{Vulnerability (V)} \}$$

Sector Strategic Planning Framework

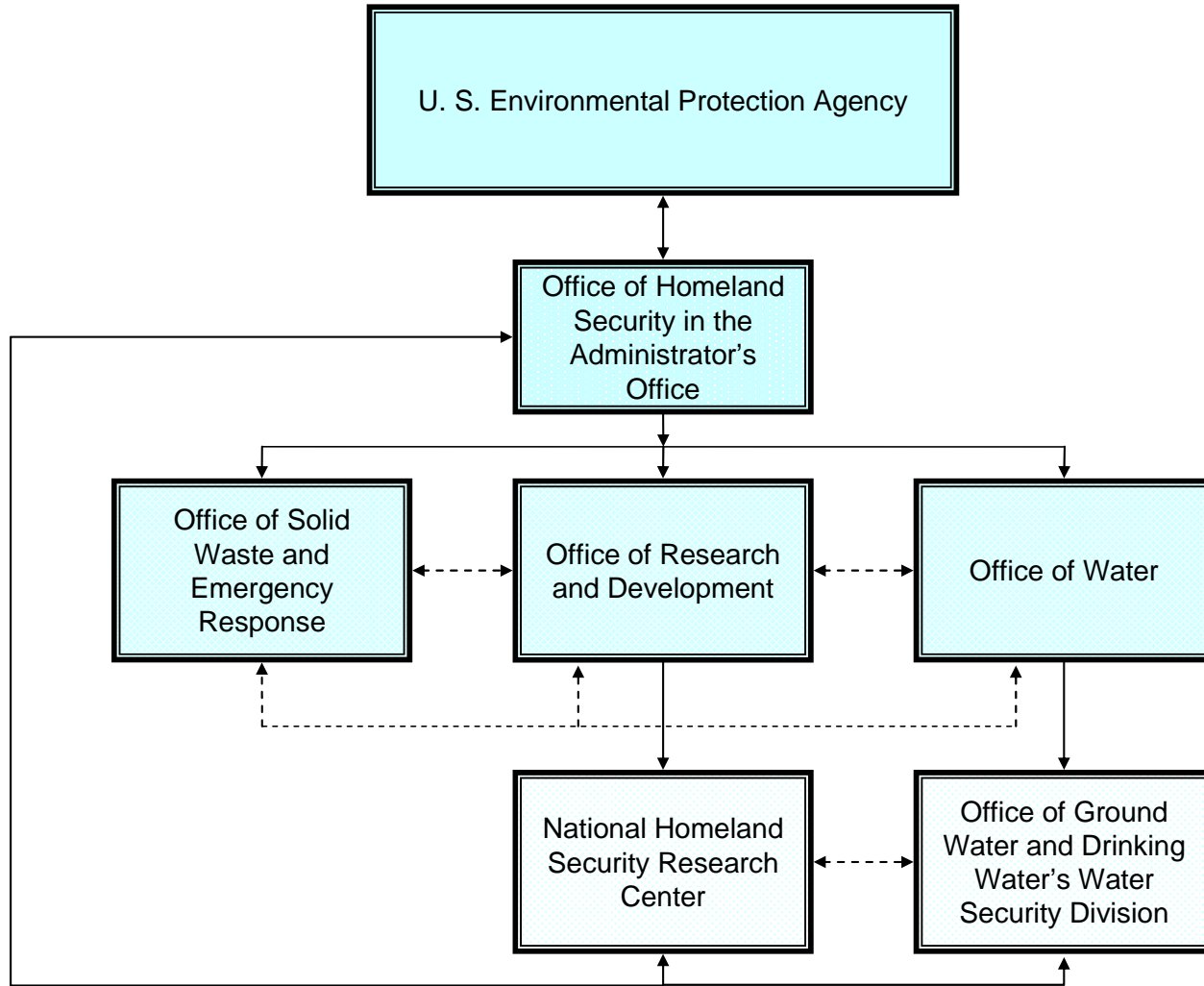


Mission and Vision

- **EPA's Water Sector Security Mission** is to provide national leadership in developing and promoting security programs that enhance the water sector's ability to prevent, detect, respond to, and recover from potential terrorist attacks, other intentional acts, natural disasters, and other hazards (“all-hazards” approach)
- **The Water Sector's Security Vision** is a secure and resilient drinking water and wastewater infrastructure that provides clean and safe water as an integral part of daily life. This Vision assures the economic vitality of and public confidence in the nation's drinking water and wastewater through a layered defense of effective preparedness and security practices in the sector

- Sustain protection of the public health and environment
- Recognize and reduce risks in the water sector
- Maintain a resilient infrastructure
- Increase communication, outreach, and public confidence

EPA Security Framework



- **Introduction and Executive Summary**
- **Chapter 1 - Sector Profile and Goals**
 - Sector Profile
 - Security Partners (international)
 - Sector Security Mission, Vision, Goals, Objectives
 - **Value Proposition**
 - **NARUC**
- **Chapter 2 - Identify Assets, Systems, Networks, and Functions**
 - Defining Information Parameters
 - Collecting, Verifying, and Updating Infrastructure Information
- **Chapter 3 - Assess Risks**
 - Use of Risk Assessment in the Sector
 - Assessing Consequences, Vulnerabilities, and Threats (interdependencies)
 - Screening Infrastructure

- **Chapter 4 - Prioritize Infrastructure**

- **Chapter 5 - Develop and Implement Protective Programs**
 - Overview of Sector Protective Programs
 - Determining Protective Program Needs
 - Protective Program Implementation and Performance
 - Will be addressed in another version of the SSP

- **Chapter 6 - Measure Progress**
 - Critical Infrastructure / Key Resources (CI/KR) Performance Measurement
 - Implementation Actions
 - Challenges and Continuous Improvement

- **Chapter 7 - CI/KR Protection Research and Development (R&D)**
 - Coordination with National Homeland Security Research Center, the American Water Works Association Research Foundation, and the Water Environment Research Foundation
 - Overview of Sector R&D
 - Sector R&D Requirements and Plan
 - R&D Management Processes

- **Chapter 8 - Managing and Coordinating SSA Responsibilities**
 - Program Management Approach
 - Processes and Responsibilities
 - Implementing the Sector Partnership Model
 - Information Sharing and Protection

What Does the SSP Mean to the Sector?

- Provides an overview and direction of water security programs and how all stakeholders implement the NIPP Partnership Model
- Builds and improves the strategy on how to best protect the Nation's most critical water sector infrastructure
- Provides water sector utility owners and operators with information on how to best protect their water sector assets
 - NARUC
 - Rate-setting based on risk

- Final Draft SSP has been submitted to DHS and the White House for review
- Comments were minimal and have been addressed
- Waiting for direction on finalization
 - For Official Use Only
- SSP Outreach
 - EPA, DHS, GCC, SCC
 - Web-cast
- Questions
- Contact
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