

# **US EPA Water Security Division: Update on NDWAC Recommendations**

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# NDWAC Recommendations – Three Key Elements

1. 14 features of an active and effective security program
2. Incentives for volunteer adoption
3. Metrics
  - self assessment/continuous improvement (utility-specific measures)
  - national aggregate measures



# Implementing Element 1 – 14 Features of an Active and Effective Security Program

- Goal: Water sector adoption of the 14 features
- Create/support initiatives that:
  - enhance existing security practices, and
  - integrate security into routine operations
- Approach (Stakeholder Involvement Plan):
  - Use NDWAC 14 features as framework for engaging stakeholders
  - Iterative, collaborative process with Partners



# Stakeholder Involvement Plan to Promote Water Sector Security

- Program Life – FY06 and beyond
- Plan Use – Rationale/direction for outreach programs, work products
- Plan Content – Will reflect changing objectives, evolving priorities
- Collaborative with Partners

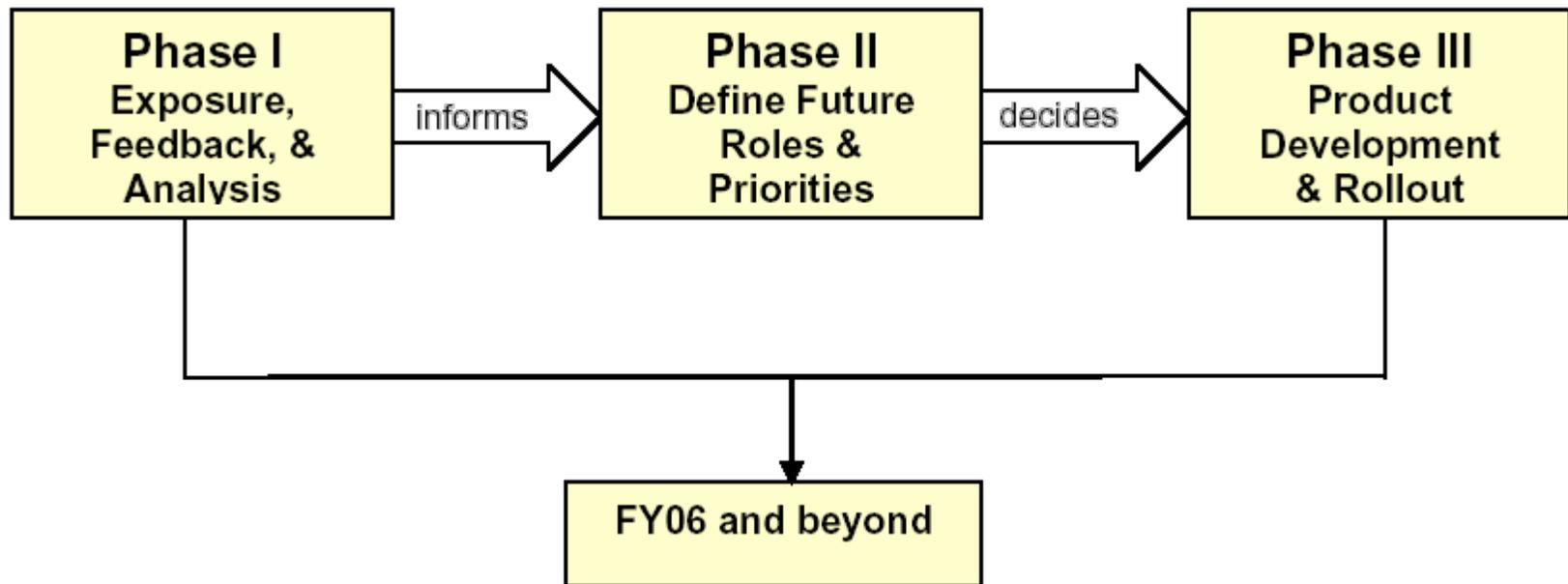


# Stakeholder Involvement Plan – Partners

- US Environmental Protection Agency (**EPA**), Water Security Division (**WSD**)
- EPA Regions (**Regions**)
- Association of Metropolitan Water Agencies (**AMWA**)
- American Public Works Association (**APWA**)
- Association of State Drinking Water Administrators (**ASDWA**)
- Association of State and Interstate Water Pollution Control Administrators (**ASIWPCA**)
- Association of State and Territorial Health Officials (**ASTHO**)
- **American Water Works Association (AWWA)**
- AWWA Research Foundation (**AWWARF**)
- Dept of Homeland Security (**DHS**)
- National Association of City & County Health Officials (**NACCHO**)
- National Association of Clean Water Agencies (**NACWA**)
- National Association of Water Companies (**NAWC**)
- National Governors Association (**NGA**)
- National Rural Water Association (**NRWA**)
- Rural Community Assistance Partnership (**RCAP**)
- Water Environment Federation (**WEF**)
- Water Environment Research Foundation (**WERF**)
- Water and Wastewater Equipment Manufacturers Association (**WWEMA**)



# Stakeholder Involvement Plan – A Three-Phase Approach



# Exposure, Feedback & Analysis (Phase I)

- Gather input and obtain feedback on:
  - Sustainable security practices
  - Gaps in training/guidance/resources
  - Implementation barriers
  - Incentives to improve practices (includes multiple benefits)
  - Effective measures of progress (utility-specific and national)
- Key Programs
  1. Strategic Implementation
    - Exposure/outreach on the 14 features at water sector events
    - Gap Analysis (Water Security Resources Database)
    - Community Case Study Pilot (Seattle-King County)
  2. Research on incentives and multiple benefits

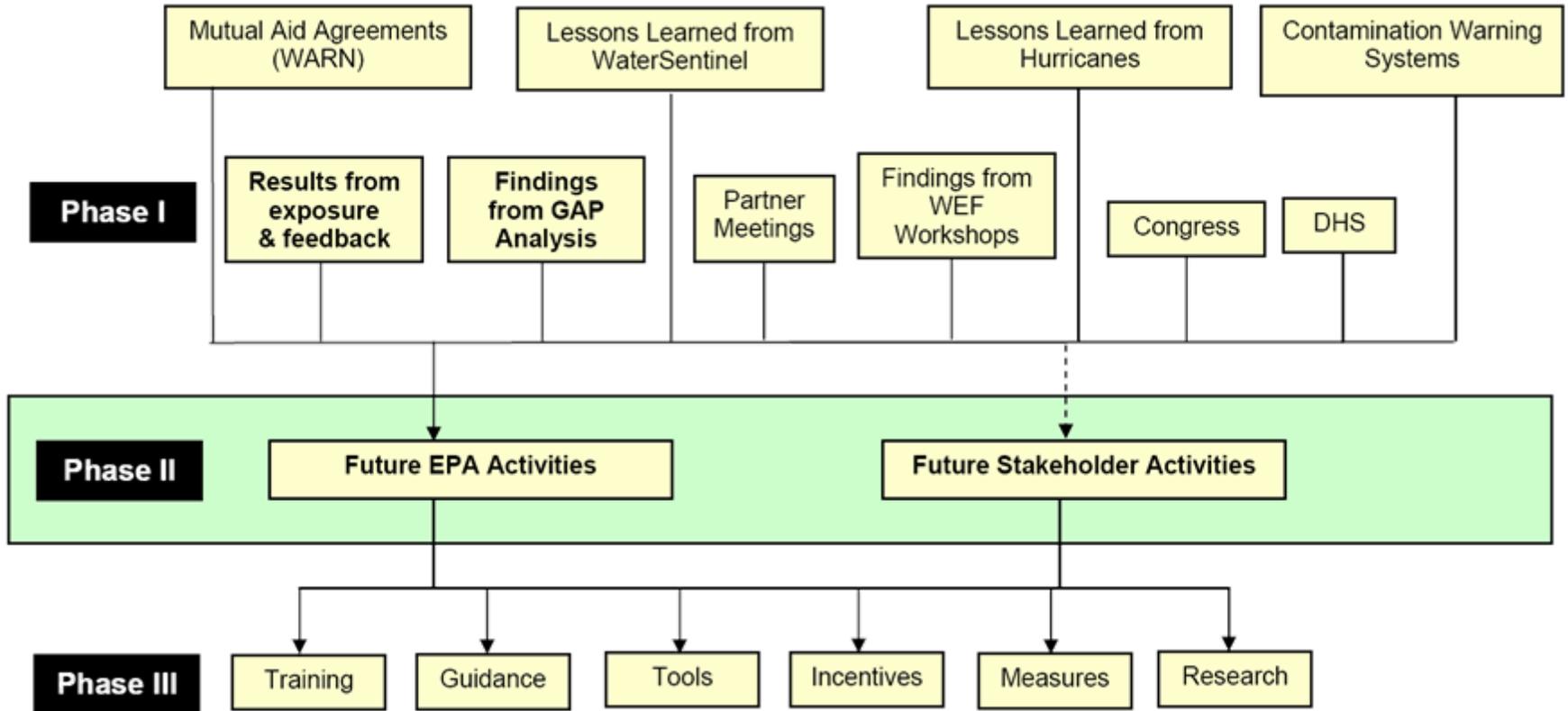


# Definition of Future Roles and Responsibilities (Phase II)

- Identify potential products for development based on Phase I
- Determine who will develop products:
  - Water utility associations
  - Regions
  - States
  - WSD
  - Other



# Three-Phase Approach Implementation



# Implementing Element 2 - Incentives for Volunteer Adoption

- Goal: Provide incentives for the water sector to improve security voluntarily
- Approach:
  - Identify successful voluntary programs
  - Examine strategy of those programs
  - Develop Lessons Learned report
  - Make recommendations for potential incentives



# Implementing Element 3 – Metrics

- Utility-specific Measures – Measures to gauge effective implementation of each of the 14 features to be developed collaboratively with stakeholders as part of the 14 features process
- National Aggregate Measures – Measures Testing Group



# Measures Testing Group

- Follow up to NDWAC / WSWG recommendations on national aggregate measures
- Established January 2006
- 17 members represent utilities (all sizes/types) and state programs
- Water association reps attend meetings and offer comments/advice



# MTG Charge

- Vet each national aggregate measure with an eye towards implementation
- Identify options for data to be reported, reporting methods and frequency, national aggregation and baselining
- Identify verification options (including peer review)
- May suggest refinements to NDWAC / WSWG measures, if needed



# MTG Process & Schedule

- Options development & analysis – not a consensus process
- Measures to “serve all masters” by satisfying the NIPP and SSP process as well as EPA-specific measurement needs.
- Draft options in July 2006; final report in Nov./Dec. 2006
- July mtg. with former NDWAC / WSWG members so they can review draft options



# Benefits of an Active and Effective Security Program

- Increase utility preparedness for emergency events (all hazards)
- Reduce risk and maximize resiliency
- Reduce potential negative consequences of emergency events
- Risk reduction to public health from terrorism and natural disasters



# Stakeholder Involvement Plan for Water Sector Security

## Questions and Answers

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WATER SECURITY DIVISION

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