

Water Resources Plan Template for Completion

Oct. 5, 2005

In accordance with Water Resources Planning Act (Act 220 of 2002), staff is undertaking a combined internal/external process in developing the State Water Plan. This plan will be the result of many efforts including the overall development of the Water Resources Planning Program (2006 PRR request). The template is a point of reference to guide the internal focus of the Plan's development. External support will be needed to help complete the tasks described below.

Overarching Efforts

- ***“Use of the Plan”*** to be developed by the Statewide Committee
 - Lead Staff: John Hines
 - Sub-Committee: P&I and Chairman Mandelbaum

- ***Plan Components 1-6 Inventory and Analysis,***
 - DEP Staff Team Lead: Dave Jostenski and Susan Weaver
 - Sub-Committee: CWPA
 - Supplemental Funding and External Support

- ***Plan Components 7-13, Assessment of Various Water Resource Issues***
 - DEP provides template to Regional Committees
 - DEP Staff Team: Various Leads
 - Sub-Committee: P&I, CWPA and Regional Committees
 - Supplemental Funding and External Support to Merge Regional and State planning components.

- ***Components 14-16, Statute, Management Evaluations***
 - Developed by DEP and Statewide Committee
 - DEP Staff Team: Lori Mohr and legal team, lead
 - Sub-Committee: P&I, CWPA, and Regional Committees

- ***“Overlay” of Conclusions and Recommendations, Statewide Committee***
 - DEP Staff Team
 - Sub-Committee: P&I

Specific Component Work Assignments

Task #1

- An inventory of the surface water resources of each region of this commonwealth, including an identification of the boundaries of significant watersheds and an estimate of the safe yield of such sources for withdrawal and nonwithdrawal uses during periods of normal conditions and drought.
- An inventory of the groundwater resources of each region of this commonwealth, including an identification of aquifers and groundwater basins and an assessment of their safe yield, prime recharge areas, recharge capacity, withdrawal limits and relationship to stream base flows.
- An assessment and projection of existing and future nonwithdrawal use needs and the values of watercourses included within this commonwealth or federal wild and scenic river systems.
- An assessment and projection of existing and future withdrawal use demands.
- An identification of potential problems with water availability or conflicts among water uses and users.
- An identification of critical water planning areas comprising any significant hydrologic unit where existing or future demands exceed or threaten to exceed the safe yield of available water resources.

Team Leads: Bill Gast, Sue Weaver, Dave Jostenski

Team Members: RBCs, USGS, Identified Staff from: Water Use Planning Division, Operations Monitoring and Training Division and Technical and Financial Assistance Training Division

Subcommittee Coordination: CWPA

Date Due: *October 2006*

Task #2

- An assessment of the current and future capabilities of public water supply agencies to provide an adequate quantity and quality of water to their service areas.

Lead: Tom Denslinger

Team Members: Sue Weaver, Dave Jostenski, Jeff Gordon, PUC, Bill Sedlak, PADWIS

Subcommittee Coordination: CWPA

Date Due: *November 2006*

Task #3

- An assessment of floodplain and storm water management problems.

Lead: Stu Gansell

Team Members: Barry Newman and the Stormwater Planning and Management Staff

Subcommittee Coordination: P&I and CWPA

Date Due: *February 2006*

Task #4

- An assessment of navigation needs and the means for restoration, development and improvement of transportation by water.

Lead: John Booser

Team Members: Andy Zemba, Jim Nagy, PennPorts Staff, Port of Erie, Ports of Pittsburgh, and Philadelphia Staff, USACE Pittsburgh District Staff, and ORBC (Larry Feazel)

Subcommittee Coordination: P&I

Date Due: *February 2006*

- An assessment of the water resources required to serve areas with important or unique natural, scenic, environmental or recreational values of national, regional, local or statewide significance, including national and state parks; designated wild, scenic and recreational rivers; national and state wildlife refuges; and the habitats of federal and state endangered or threatened species.

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Lead: Donovan Houck, Lori Mohr

Team Members: Gary Price, Bill Brown, Tony Shaw, DCNR Staff, and outside agencies

Subcommittee Coordination: P&I, Regional Committees

Date Due: *February 2006*

- A process for identifying projects and practices that are being or have been implemented by water users that reduce the amount of water withdrawal or consumptive use, improve efficiency in water use, provide for reuse and recycling of water, increase the supply or storage of water or

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preserve or increase groundwater recharge and a recommended process for providing appropriate positive recognition of such projects or practices in actions, programs, policies, projects or management activities recommended under paragraph

Lead: Jeff Dewey with initial assistance from John Hines

Team Members: Eric Thumma or identified OETD staff, Dana Aungst, Jeff Gordon, Dave Jostenski., Brian Swistock

Subcommittee Coordination: CWPA

Date Due: *February 2006*

Task #5

- An identification of practical alternatives for an adequate supply of water to satisfy existing and future reasonable and beneficial uses, including improved storage, groundwater recharge and surface water/groundwater conjunctive management programs.
- An assessment of both structural and nonstructural alternatives to address identified water availability problems, adverse impacts on water uses or conflicts between water users, including potential actions to develop additional or alternative supplies, conservation measures and management techniques.

Lead: Bill Gast, Sue Weaver, Dave Jostenski

Team Members: Tom Denslinger, Jeff Gordon/Staff, RBCs, USGS

Subcommittee Coordination: CWPA

Date Due: *April 2007*

Task #6

- A review and evaluation of statutes, regulations, policies and institutional arrangements for the development, conservation, distribution and emergency management of water resources.
- A review and evaluation of water resources management alternatives and recommended programs, policies, institutional arrangements, projects and other provisions to meet the water resources needs of each region and of this commonwealth.

Lead: Lori Mohr

Team Members: Larry Toth, Policy Office Staff, Reg. Counsel Staff (Pam Bishop, Marylou Barton, Michele Moses)

Subcommittee Coordination: P&I

Date Due: March 2006

Task #7

- Proposed methods of implementing various recommended actions, programs, policies, projects or management activities.

Lead: Lori Mohr

Team Members: Policy Office, Reg. Counsel Staff (Pam Bishop, Marylou Barton, Michele Moses)

Subcommittee Coordination: P&I

Date Due: *July 2007*