



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION



Office of Water Resources Planning

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PA State Water Planning

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Act 220 State Water Planning

Pennsylvania State Water Plan provides planning tools and guidance for those who make decisions that affect the Commonwealth's water resources or make decisions based on adequate quantity and quality of water. The current planning effort builds on a rich history of state water planning, from the 1970s-1980s to the most recent work accomplished under the [Water Resources Planning Act](#) (Act 220 of 2002) from 2003 through 2009.

Act 220 State Water Planning

A non-prescriptive, non-regulatory, non-binding policy and guidance document related to water resources of the Commonwealth

How much water do we have?

How much water do we use?

How much water do we need?

Act 220 State Water Planning

- Previous plan adopted in February 2009
- Plan produced recommendations under categories:
 - Integrated Water Resources Management
 - Navigation needs/transportation improvements
 - Flood control
 - Stormwater management
 - Water Quality
 - Water withdrawal and use
 - Water conservation and efficiency

Major achievements of previous plan:

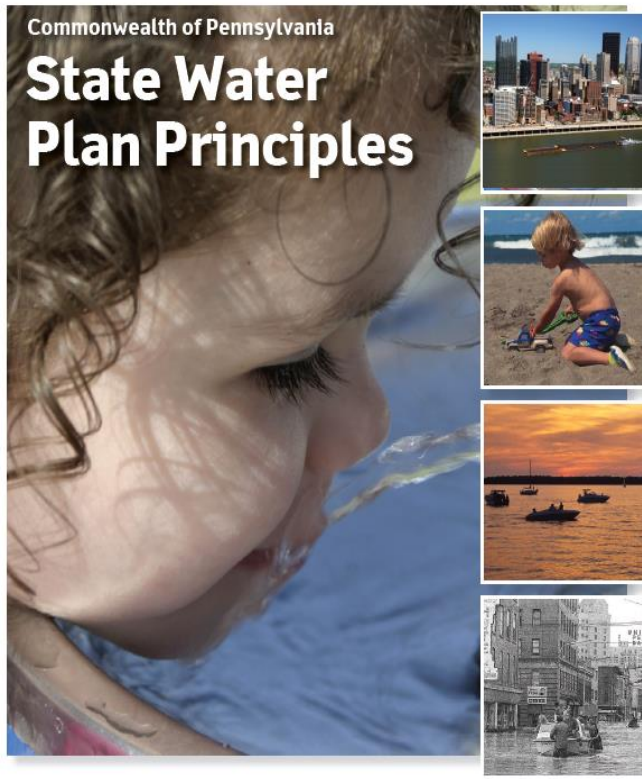
- Ability to share that information with others
- Development of models to assess general water availability
- State-wide “screening” of water availability
- Identification of initial “Critical Water Planning Areas”
- Three draft “Critical Area Resource Plans”
- Contribution to assessing in-stream flow needs.

Act Requirements

- After initial adoption of a State Water Plan, the Plan shall be reviewed, amended and updated every five years.
 - Determine whether it reflects the objectives, policies and purposes of the Act, including recommendations for revisions to regional plans

The SWP

Products:



- Stakeholder input through seven committees
- Understanding of Regional Priorities
- Several policy documents
- A water resources atlas
- Development of a Water Use Data System
- Initiation of on-line registrations and reporting of water withdrawals from all water use sectors (10,000 gpd)

New Planning Goals

- Near-term:
 - 2 to 2.5 years
 - Completion of unfinished work
 - A fully reviewed plan and recommendations
 - Access to water data
- Longer-term:
 - Accomplishable work and funding plans
 - Recommended policy changes

Tasks

- Finalize Critical Area Resource Plans (CARPs)
- Determine adequacy of current plan w/committees
- Evaluate emerging issues on water availability
- Update website
- Transform water atlas into digital version
- Develop water data access application
- Evaluate SWP products, research, and policies
- Identify legislative, regulatory and programmatic changes

Tasks

- **Making Water Data Easily Accessible and Shareable**
- DEP has been collecting water use data on an annual basis since 2003
- Online tools, or data viewers, to make the data readily available to the public were recently built.
 - 6 separate viewers were built
 - Datasets contain information by source and facility to include; description, location, quantity, distribution, and disposal.

Online Water Use Reports

www.dep.pa.gov

WATER USE REPORTS

DEP collects electronic self-monitoring water use reports from public water supply agencies, hydropower facilities and each person whose total withdrawal exceeds an average rate of 10,000 gallons per day in any 30-day period.

- [Instructions and Data Dictionaries \(PDF\)](#)

- [Water Source Registration](#)

A report of water use source registration. Information includes the identification of the registrant, the name, description, and location of water sources, and the amounts of water withdrawal or water purchased or sold. Note: water uses quantities collected during registration was discontinued in 2012.

- [Water Quantity Report by Source](#)

An annual report of source level information, monthly water withdrawals for each type of source, and monthly purchases and sales amounts through public water supply interconnections.

- [Water Use Report by Water Supplier - PWS Primary Facility Report](#)

An annual report from public water suppliers consisting of average daily water distributed by use type (deliveries to domestic, commercial, industrial, institutional, oil and gas, bulk sales to PWS, and water losses).

- [Water Use Report by Facility - NonPWS Primary Facility Report](#)

An annual report from facilities other than PWS. The report contains the amount and manner of water disposal.

- [Water Allocation Daily Withdrawal Report](#)

A monthly report of daily surface water withdrawal and purchases submitted by permitted public water suppliers.

- [Water Management Plan Daily Water Use Report](#)

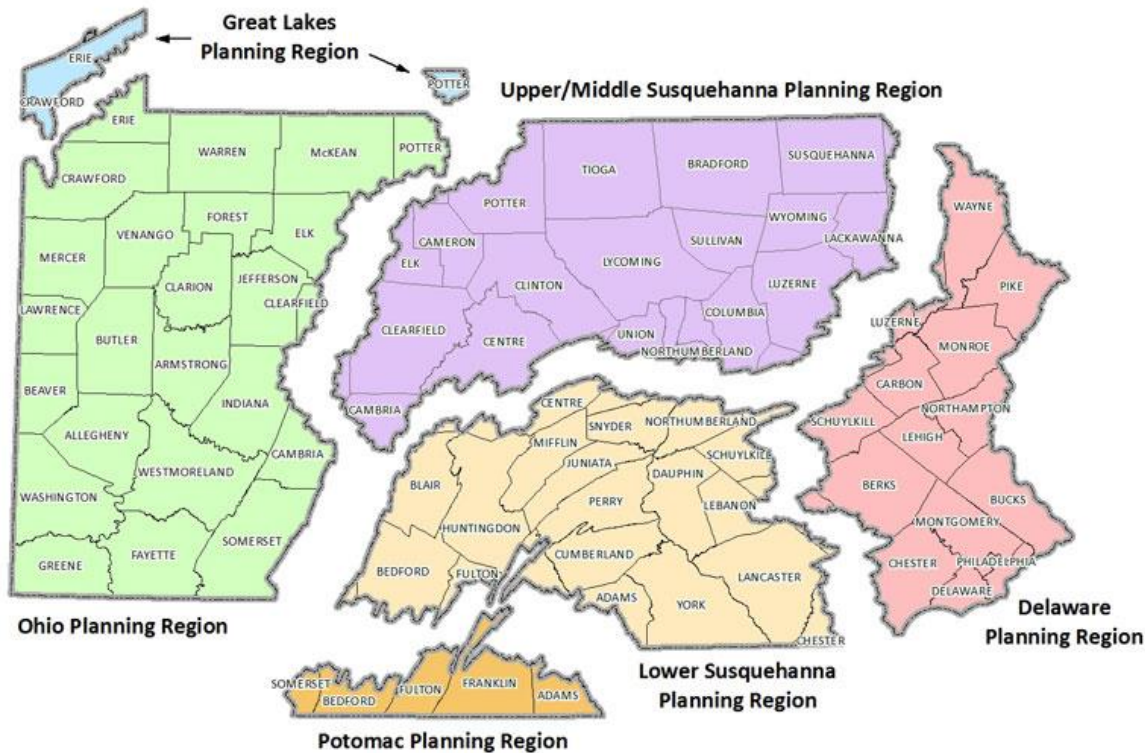
A quarterly report of daily water withdrawal and purchases submitted by oil and gas operators. Note: daily reporting commenced in January 2017; prior reports were monthly water withdrawal and purchases submitted quarterly found in the Water Quantity Report by Source viewer.

Tasks

- **Current Planning Efforts**
- Enabling open access to and sharing of water use data by water resources decision makers and the public through the creation of web-based tools.
- Forming statewide and regional committees.
- Finalizing the Critical Water Planning Area Resource Plans prepared in the 2009 State Water Plan Update for further consideration by the committees.

Regional Committees

- Appointments are made by Governor
- 6 Regional Committees and 1 State-wide committee



Roles of Committees

- Future: Emerging issues
 - Develop sustainable funding model
 - Climate Change
 - Legislative, regulatory and programmatic changes
 - Improvement to SWP process

Roles of Committees

- Present:
 - Adequacy of current plan
 - Deployment and communication of water use data for public use and planners
 - Development of decision support tools
 - Website
 - Conversion of Water Atlas to Digital Story Map(s)

New Considerations

- Climate Change
- Unconventional Gas Well Development Withdrawals



Questions?

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