Water Conservation and Efficiency Program Review

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2. Status of Wisconsin's Water Conservation and Efficiency Goals and Objectives Consistent with the Basin-wide Goals and Objectives:

Wisconsin adopted water conservation and efficiency goals and objectives that are consistent with the Basin-wide goals and objectives. The goals and objectives, which were most recently revised in 2011, can be found on the Department website at:

http://dnr.wi.gov/topic/WaterUse/documents/WDNR Statewide WCE Objectives 2011.pdf

Wisconsin reviews these goals and objectives every 5 years, and plans to review the goals and objectives in the coming year.

3. Water Conservation & Efficiency Program Overview:

The Wisconsin Legislature ratified the Great Lakes—St. Lawrence River Basin Water Resources Compact (Compact) in 2007 Wisconsin Act 227. Act 227 contains additional water conservation and efficiency requirements that go beyond the minimum required by the Compact. These requirements are codified in §281.346 (8), Wis. Stats., and ch. NR 852, Wisconsin Administrative Code.

The Water Use Section of the Wisconsin Department of Natural Resource's Bureau of Drinking Water and Groundwater developed a statewide water conservation and efficiency program that is based on Wisconsin's adaptation of the Great Lakes Regional Conservation and Efficiency Objectives. The program requires mandatory water conservation and efficiency measures for new or increased withdrawals in the Great Lakes Basin, for any new or increased diversions from the Great Lakes Basin, and for any new or increased withdrawals—statewide—that will result in a water loss averaging more than 2 million gallons per day in any 30-day period. Voluntary water conservation and efficiency measures are encouraged for existing water users throughout the state.

This program is implemented through administrative rules, water use permits, and guidance developed in cooperation with the Public Service Commission of Wisconsin (PSC) and the Wisconsin Department of Safety and Professional Services. Rules implementing the program, primarily ch. NR 852 Wis. Adm. Code, establish the necessary components for a water conservation plan and identify water conservation and efficiency

measures by water use sector. For withdrawals subject to mandatory water conservation and efficiency, requirements increase as the volume of withdrawal increases. The department is also developing the voluntary side of the program through education and outreach opportunities, identifying leaders in water conservation and efficiency in each of the water use sectors, and establishing procedures to improve the water use efficiency and conservation efforts in state government facilities. This includes a new effort to develop a conservation certification program encouraging adoption of agricultural irrigation practices that limit withdrawals and minimize impacts.

In addition, water supply service area plans for public water supply systems must consider water conservation alternatives when identifying options for supplying water. These plans are required by 2026 for all public water systems in Wisconsin serving populations of 10,000 or more; and are required immediately for any Great Lakes Basin public water systems serving populations of 10,000 or more seeking a new or increased withdrawal, and for applicants for diversions of Great Lakes water.

4. Consistency with Regional Objectives:

As shown in the table below, the Wisconsin program is consistent with the regional objectives in the promotion of environmentally sound and economically feasible water conservation measures. More details for each objective are available at http://www.glslregionalbody.org/Docs/Resolutions/GLSLRWRRB_Resolution_6-Conservation-Efficiency.pdf.

OBJECTIVES	LEGISLATIVE OR PROGRAM DESCRIPTION	
o Guide programs toward	o Adoption of Water Conservation and Water Use Efficiency Rules (NR	
long-term sustainable	852), 1/1/2011	
water use.	 Mandatory water conservation pla 	
	efficiency measures for new or inc	
	withdrawals, all diversions of Grea	
	withdrawals with a water loss of \geq	
	o Water Supply Service Area Planning (§. 2	81.348, Wis. Stats.), rules still
	in development	
o Adopt and implement	o Continued expansion of a statewide water	
supply and demand	information network representing all wate	
management to promote	o Establishing water conservation and effici	ency guidance by water use
efficient use and	sector	
conservation of water	o Implemented a pilot water use audit and w	ater use efficiency upgrade at
resources.	Peninsula State Park	1 6 207
	o Required water conservation plans are in p	place for 295 water use
	permittees	
	o Continued development of irrigation bench	nmarking program for
Tours and the single and	agriculture and golf courses	-4-
o Improve monitoring and standardize data	O Developed a new database for water use d	
	Online reporting is evailable for all registr	
reporting among State and Provincial water	Online reporting is available for all register forms are mailed to those who choose not	1 0
conservation and	system automated quality checks continue	*
efficiency programs.	o The WDNR is integrating conservation re	
efficiency programs.	reporting system	porting into the online
	o Received grant from USEPA Exchange N	etwork to develop an
	automated data flow from the WDNR wat	
	Lakes Commission and USGS	or use dumouse to the Great
o Develop science,	o Co-funded a project with the Public Service	ce Commission titled "Water
technology and research.	Efficiency Potential Study for Wisconsin"	
	2011	, 1
	o Funded a project titled "Ecological Limits	of Hydrologic Alteration"
	focused on understanding stress to fish po	• •
	streamflows. Funded a project to develop	
	o Funded a "proof-of-concept" hydrological	
	flow, withdrawals and crop rotations in a	
	Wisconsin	
	o Funded a project entitled "Impacts of pota	
	climate change on groundwater recharge a	
	better understand impacts of groundwater	dependent agro-ecosystems.

o Develop education	 Promoted EPA WaterSense Fix-a-Leak, including webpage,
programs and	promotional video.
information sharing for all water users.	 Participated in Wisconsin DNR State Fair Park Exhibit promoting water conservation.
	 Participated in Farm Technology Days demonstrating first results from new irrigation benchmarking program.
	 Participated in state conferences with displays and presentation for various water use sectors
	 Planning an interagency water conservation and efficiency webpage
	 Participated in irrigation management seminars delivered by UW- Extension
	 Participated in development of a drought early warning system for the upper Midwest.

5. Wisconsin Water Conservation and Efficiency Program Implementation Timeline and Status:

Program Element	Status	
Goals and Objectives	• Completed – December 2008	
	• Updated for statewide application – June 2011	
Administrative rules	• Chapter NR 852, Wis. Adm. Code effective January 2011	
Websites	• Established DNR water conservation and efficiency page – June 2010	
Fix a Leak Week Promotion	• Radio, web, and TV presence – Annually in March	
Information Network	Developed water conservation and efficiency information sharing	
Wisconsin State Fair	Promoted water conservation and efficiency – Annually in August	
Implementation Plan	Developed a biannual plan –September 2011	
Water Conservation Plan Requirements	• Integrated requirements into new water use permit review and issuance process – December 2011	
Water Use Audits	• Pilot water use audit project at Peninsula State Park – Completed 2013	
Sector Guidance	Developed sector specific benchmarks to inform water conservation and efficiency guidance – first implemented August 2014	