State of Indiana Water Conservation and Efficiency Program Review December 8, 2025

The State of Indiana submits the following Water Conservation and Efficiency Program Review to the Regional Body and Compact Council pursuant to the requirements set forth in the Agreement Article 300 and Section 3.4.1 of the Great Lakes-St. Lawrence River Basin Water Resources Compact (the Compact). This program review is to be submitted by December 8, 2025, and is subject to final review by the Regional Body and Compact Council.

1. Lead agency/agencies:

The lead agency is the Indiana Department of Natural Resources (DNR). The lead contact person is Ryan Mueller, Deputy Director, DNR.

2. Water Conservation and Efficiency Goals and Objectives

The State of Indiana's Great Lakes Basin water conservation and efficiency goals are consistent with the goals and objectives of the Compact, and are provided by Section 4.2.1 of Indiana's implementation of the Compact under IC 14-25-15 [www.in.gov/dnr/water/5216.htm] that includes the following basin-wide goals:

- a. Ensure the improvement of the waters and water dependent natural resources of the Basin;
- b. Protect and restore the hydrologic and ecosystem integrity of the Basin;
- c. Retain the quantity of surface water and groundwater in the Basin;
- d. Ensure sustainable use of waters of the Basin: and
- e. Promote the efficiency of use and reduce losses and waste of water in the Basin.

The State of Indiana's water conservation and efficiency objectives are consistent with Indiana's Water Management Guidelines that "recognizes that Indiana's abundant resources are a public good for all citizens of the State and promotes the efficient use of this water by encouraging environmentally sound and economically feasible conservation measures to ensure availability for future generations".

3. Water Conservation and Efficiency Program Overview;

Also Available at: www.in.gov/dnr/water/6364.htm

The following statutory provisions applicable to the Water Conservation and Efficiency program in the State of Indiana are as follows:

- Great Lakes-St. Lawrence River Basin Water Resources Compact (IC 14-25-15 and Rule 312 IAC 6.2) Interstate agreement on the use of water resources in the Great Lakes-St Lawrence River Basin.
- Indiana legislation for Voluntary Conservation and Efficiency (14-25-15-5) Enacts and implements the Compact and calls for the Indiana Natural Resources Commission to adopt rules that implement a voluntary water conservation and efficiency program and water conservation and efficiency planning required as part of a permit application for a new or increase in withdrawal or consumptive use in the Great Lakes Basin. Rule 312 IAC 6.2 that

assists with the implementation of the Compact for water conservation and efficiency programs became effective September 3, 2014 and may be found here: www.in.gov/dnr/water/5216.htm]

- Significant Water Withdrawal Facility Registration (IC 14-25-7-15) Requires that an inventory of significant uses of water withdrawn from the surface or ground be taken and maintained. Section 15 of the act requires that every person who owns a significant water withdrawal facility (SWWF) shall register it within three (3) months after the facility is completed. A "significant water withdrawal facility" is defined in the act to mean "the water withdrawal facilities of a person that, in the aggregate from all sources and by all methods, has the capability of withdrawing more than one hundred thousand (100,000) gallons of ground water, surface water, or ground and surface water combined in one (1) day". Owners of a SWWF must also report annual water use within three (3) months after the end of each calendar year. Approved methods of measuring the amount of water withdrawn by a SWWF are specified in the Non-Rule Policy Document Information Bulletin #40. Water withdrawals from temporary construction dewatering operations must also be reported in accordance with IC 14-25-7. [www.in.gov/dnr/water/4847.htm]
- Sale of Water (IC 14-25-2 and Rule 312 IAC 6.3) Conservation planning is required in the application for the sale of water from any reservoir financed fully or in part by the State. [http://iga.in.gov/legislative/laws/2017/ic/titles/001]
- Emergency Regulation of Ground Water Rights (IC 14-25-4 and Rule 312 IAC 12) Owners of water wells are protected against the impacts of high-capacity groundwater pumping if it substantially lowers water levels, resulting in the failure of a well. Restrictions of high-capacity pumping can occur when it is believed that discharge exceeds the recharge capability of the source aquifer. IC 14-25-4 amended by the 2025 legislature as SEA 28 now provides protection to high-capacity groundwater withdrawal facilities against the lowering of groundwater levels caused by other high-capacity groundwater withdrawal facilities. www.in.gov/dnr/water/4849.htm
- Emergency Regulation of Surface Water Rights (IC 14-25-5 and Rule 312 IAC 11.5) Freshwater lake owners are protected against the impacts of high capacity pumping if it substantially lowers the level of the freshwater lake, resulting in significant environmental harm to the lake or adjacent property. Restriction of high-capacity pumping can be required in order to restore lake level. [www.in.gov/dnr/water/4840.htm]
- Water Shortage Plan (Authorized by IC 14-25-14, enacted in 2006) Ten-member Water Shortage Task Force was charged with updating and implementing Indiana's Water Shortage Plan that provides an effective and systematic plan to assess and manage the State's water resources during a water shortage or potential water shortage to respond, to the maximum extent practicable, to the needs of its water users while protecting the environment. Indiana's Water Shortage Plan update was completed in 2009.

 [www.in.gov/dnr/water/files/watshplan.pdf]
- Executive Order 25-63 enacted by Governor Braun in 2025 requires that the Secretary of Energy and Natural Resources lead a thorough inventory of Indiana's water resources to

identify current usage, availability of groundwater and surface water, and future demand, with an emphasis on regional disparities. The directives of EO 25-63 are as follows: 1) Inventory current usage, availability of surface and groundwater resources and forecasting of future demand; 2) Develop a statewide water planning framework at a regional scale; 3) Develop recommendations for enhancement and optimization of Indiana's water resource monitoring networks; and 4) Create a centralized, publicly accessible, on-line water data platform. The inventory shall be completed by October 31, 2026, with a written report provided to the Governor and the Legislative Council by December 31, 2026.

4. Promotion of Environmentally Sound and Economically Feasible Water Conservation Measures, Consistent with Regional Objectives.

- Measures that guide programs toward long-term sustainable use.
 - Statewide registration and water use reporting program under IC 14-25-7-15 of approximately 4,320 significant water withdrawal facilities (SWWF) under the water use categories of Energy Production, Industrial, Irrigation, Public Water Supply, Rural and Miscellaneous. Currently, 1,062 SWWFs are located within the Great Lakes Basin in Indiana. [www.in.gov/dnr/water/4847.htm]
 - Detailed river basin studies for the Indiana portion of the Great Lakes Basin (Lake Michigan Region, St. Joseph River Basin, Maumee River Basin) by the Indiana Department of Natural Resources, Division of Water. These studies provide detailed information regarding the availability, development, protection and projected use of ground water and surface water resources of each river basin.
 [www.in.gov/dnr/water/2454.htm]
 - o Best Management Practices (BMPs) for each water use category have been developed and distributed to all registered SWWFs within the Great Lakes Basin and statewide. The identification of applicable BMPs was completed with the use of industry standards and input from SWWF representatives, area water user groups, environmental groups, private sector water management firms, academia, and area planning commissions. [www.in.gov/dnr/water/6364.htm]
 - O The Water Management Planning Framework is a live, fill in the blank style document that was drafted for use by each of the water use categories in the SWWF registration program. The document is available online to assist water users with their conservation planning efforts, especially those registered as SWWFs. The framework is directed to those facilities that may not currently have conservation strategies as part of daily operating procedures as a guidance document to help develop those strategies. It encourages facilities to more readily develop & implement conservation and efficiency programs on a voluntary basis by walking them through the water audit process to identify areas where potential water savings exist. The document is also intended to aid in development fundamental conservation and efficiency strategies, and the selection of applicable BMPs.

[www.in.gov/dnr/water/6364.htm]

- Provision of a summary of the BMP checklist survey results to all SWWFs located in the Great Lakes Basin, as well as statewide. The survey's purpose was to: 1) to gather data on conservation and efficiency efforts of all Indiana SWWFs; and 2) share information on BMPs, water management practices, new technology, and other pertinent topics relevant to conservation and efficiency efforts.
 [www.in.gov/dnr/water/6364.htm]
- A 2011 survey sought to acquire more specific information about 'planned' conservation and efficiency within a facility. Since education was the most commonly indicated future or 'planned' strategy by SWWFs who responded to the 2010 survey, it was relevant to find out how these educational strategies would be implemented. The survey also asked facility representatives to indicate what was felt to be a reasonable voluntary reduction goal, and to identify any previously achieved reduction in water use resulting from implementation of conservation and efficiency strategies or BMPs. Email addresses were also requested as part of the responses to improve communication efficiency with registered facilities. The mailer also included information on the implementation of LSA Document # 13-532(E) (the original rule package) regarding the permitting of water withdrawals within the Great Lakes Basin that exceed the established thresholds set forth in IC 14-25-15-7.
- o 2012 water use mailing provided summary of results of previous year's survey to registered SWWFs, both in the Indiana portion of the Great Lakes Basin as well as Statewide, on the progress toward permanent rule adoption of LSA Document #13-335(F) regarding the permitting of water withdrawals and on voluntary water conservation and efficiency programming within the Great Lakes Basin that exceed the established thresholds set forth in IC 14-25-15-7.
 [www.in.gov/dnr/water/6364.htm]
- The 2013 water use mailing helped to gather data on current conservation and efficiency practices by SWWFs. An electronic version of the checklist survey was made available online to gather a comparison dataset to the results from the original surveys, and to gather data on status of the previously 'planned' conservation and efficiency BMPs utilized by SWWFs. The data analysis provided a means to identify trends existing among the voluntary participants.
 [www.in.gov/dnr/water/6364.htm]
- In 2016 the annual SWWF water use mailing was utilized to provide a newsletter specific to water use type that included a list of Best Management Practices to continue to draw attention to potential new strategies available to facilities.

• Promote the efficient use and conservation of water.

 Implementation of educational mailings to registered SWWFs to communicate the importance of water use efficiency and conservation practices. The educational mailings are ongoing, utilizing the long established correspondence for SWWF

- annual water use reporting as a vehicle for providing information on conservation and efficiency.
- o Encouraging use of universal water metering programs, including water audits, to identify leaks, waste, and opportunities for water savings in all educational items.
- O <u>Indiana's Water Management Guidelines</u> recognize that Indiana's abundant water resources are a public good for all citizens of the State, and promote the efficient use of this water by encouraging environmentally sound and economically feasible conservation measures to ensure availability for future generations.
 [www.in.gov/dnr/water/6364.htm]
- <u>Development of a Statewide Water Management Plan</u> that promotes improvements in water management practices, such as watering lawns, gardens, and farm fields efficiently, using water efficient fixtures in homes and businesses, using drought resistant landscape practices, and using reclaimed or lower quality water for irrigation, industrial, and other appropriate non-potable uses.
 [www.in.gov/dnr/water/6364.htm]
- O <u>Suggested Model Ordinance</u>—The Model Conservation Ordinance describes a suite of measures including good water management practices at all times, potential price increases for water during times of shortage, and enforced rationing during periods of extreme water shortage. While some of the measures in the ordinance may not apply in all situations or locations, the purpose of the measures is to encourage wise use of the resource and to minimize the impacts of seasonal or short-term water shortages. [http://www.in.gov/dnr/water/files/Model ordinance Final Draft 7-2-07.doc]
- Conservation and efficiency programming is required as part of a permit application for any new or increase in withdrawals or diversions under the Compact by Rule 312 IAC 6.2.
- O Promotion of water conservation and efficiency utilizing the EPA *Water Sense* and *We're for Water* programming at area water related conferences, seminars, and for the three weeks of the Indiana State Fair where a substantial number of fairgoers picked up conservation materials at the Division of Water display. Reported attendance for the Indiana State Fair was approximately 730,000 in 2016, and 907,000 in 2017. [www.epa.gov/watersense/]
- Promotion of water conservation and efficiency under the GLC in partnership with area agricultural extension offices and county Soil and Water Conservation Districts. Meetings take place particularly in the Northern & Northwestern regions of the State where predominant use of water is for agricultural purposes. Meetings are typically attended by area irrigators, potential irrigators, members of the public and county officials. [http://msue.anr.msu.edu/program/info/irrigation]
- o Indiana's Water Shortage Plan provides an effective and systematic method to assess and manage the State's water resources during a water shortage or potential water

shortage to respond, to the maximum extent practicable, to the needs of its water users while protecting the environment. The plan provides voluntary conservation measures and programs to be actively promoted and implemented during water shortage "Watch", "Warning" and "Emergency" phases, as well as the enforcement of non-essential use regulations during a Water Shortage Emergency. "State of Indiana Water Shortage Plan Implementation Guide" completed in 2024 by DNR, Indiana Department of Environmental Management (IDEM) and Indiana Department of Homeland Security (IDHS) to provide for more effective and efficient implementation of Indiana's existing Water Shortage Plan.

[www.in.gov/dnr/water/files/watshplan.pdf]

Develop water conservation education programs and information sharing.

- 'Water Conservation and Efficiency Clearinghouse' available online [www.in.gov/dnr/water/6364.htm] which outlines the historical process of implementation of the Great Lakes and St. Lawrence River Basin Water Resources Compact, corresponding permit rule and conservation and efficiency rule development, and subsequent posting of permanent rules once adopted.
- Educational and printable material available and made conveniently accessible to public, water users, SWWFs, and various stakeholders on Indiana's water conservation and efficiency clearinghouse website.
- o Significant Water Withdrawal Facility (SWWF) data is accessible from and linked to conservation and efficiency clearinghouse. [www.in.gov/dnr/water/4841.htm]
- Website clearinghouse includes links to other conservation programs, including the EPA's *Water Sense* program. [www.in.gov/dnr/water/6364.htm]
- Indiana registered SWWFs surveyed on current water conservation and efficiency efforts and water management practices and those that are planned for implementation in the future. Included with the 2011 annual water use report form, the survey received a 54% response rate from facilities within the Great Lakes Basin. (Acquired data accessible from website clearinghouse.)
- The program continues to build on the success of surveys and communications associated with annual water use reporting. Use of the ongoing process of surveying facilities and building the database to track the implementation of new or revised conservation strategies by SWWFs. The survey program will show the movement of conservation and efficiency strategies and BMPs formerly indicated as 'planned' and moving to the 'current' category in a facility.
- O Utilizing social media to promote conservation and efficiency. A series of "Talk with an Expert" events on the Indiana DNR Facebook page to discuss water use issues in Indiana, focusing on providing information about agricultural irrigation, including historical use and generalized location data, general conservation and efficiency

practices suggested for managing water used for irrigation purposes, & Indiana's water use laws and protections provided for owners of domestic (home) wells when they are impacted by high-capacity pumping. General conservation and efficiency practices were presented in 2013 and 2014 using social media. In 2016, total reach for "Talk with an Expert" was 107,451 Facebook users, 3,657 engaged users (those that directly interacted with the material or asked questions), and 191,933 total impressions. "Talk with an Expert" was conducted in 2017 during NGWA's Ground Water Awareness Week with a total reach of 73,721 Facebook users, 2,067 engaged users and 99,612 total impressions. Conservation and efficiency practices were also presented and discussed in 2017 during a Facebook "Theme Week" with a total reach of 78,067 users, 1,993 engaged users, and 107,647 total impressions. A 2018 Facebook "Theme Week" that presented water well construction requirements, SWWF registration and water use data, water rights provisions and ground water availability information had a total reach of 77,563 users, 6,318 engaged users, and 101,235 total impressions. A 2019 "Groundwater Awareness Facebook Week" presented information regarding ground water availability, statewide water use and water rights programs and had a total reach of 80,640 users, 4,025 engaged users, and 108,223 total impressions. In July 2022, information regarding conservation and efficiency, groundwater availability, and other Division of Water regulatory programs was shared as part of a Facebook "Theme Week". In June 2024, the Division of Water "Theme Week" had a total reach of 79,894 users and 3,515 engaged users. In September 2025, the Division of Water hosted a water availability "Theme Week" which had a total post reach of 307,836 people with 29,351 engagements.

A GIS-based map has been added to the Division of Water's website that shows the locations of Significant Water Withdrawal Facilities (SWWFs) and their associated withdrawal sources (groundwater wells and/or surface water intakes). Users can zoom to a specific county and see the locations of registered SWWFs. The interactive map allows users to click on a facility point to quickly view information regarding the facility, including the owner name, total capacity (MGD), and a count of withdrawal sources. As the user scrolls in further, the withdrawal sources associated with each facility become visible, allowing users to easily see the specific locations of the sources. The wells and intakes are also color-coded based on the Major Water Use category the facility falls under (Energy Production, Industry, Irrigation, Public Supply, Rural Use, or Miscellaneous). As with the facility points, when a user clicks on an individual source point, they can quickly view the features of each source, including depth, diameter, and capacity (GPM) for wells and water body source and capacity (GPM) for intakes. The SWWF registration information (along with the last three years of reported water use data) is also available for download either by county or for the entire state in Excel spreadsheet format on the Division of Water's website. [www.in.gov/dnr/water/4841.htm]

• Improve monitoring and standardize data reporting:

o SWWF water use data was first made available online in 2005 that provides annual summaries and withdrawal data for the previous five years. The data is updated on an annual basis. [www.in.gov/dnr/water/4841.htm]

- Dest Management Practices developed specifically for each SWWF water use category will allow standardized comparisons of implemented and planned conservation and efficiency efforts, with input from SWWF representatives, area water user groups, environmental groups, private sector water management firms, academia, and area planning commissions. [www.in.gov/dnr/water/6364.htm]
- The online submittal portal for Indiana SWWF annual water use data has been successfully deployed. The electronic water use reporting system is currently being used by facilities in the effort to facilitate and standardize data reporting. The online reporting system was tested initially for 2012 water use reporting, with very few issues encountered. The deadline to submit water use data for all categories is March 31st of each subsequent year. Annual reporting compliance is generally at 90%.
 [https://secure.in.gov/apps/dnr/dowos/Main.aspx]
- O In 2017, Indiana DNR staff participated on the expert panel for the Council of Great Lakes Industries (CGLI) Water Stewardship project to develop tools that may be utilized by Great Lakes industries to optimize internal water use and management, demonstrate good water stewardship, and support efforts to utilize a transparent process to disclose water use to complement other tools used for regulatory water use reporting and implementation of the Great Lakes Compact.
- O Senate Bill 347 enacted by the 2016 Indiana Legislature instructed the IDNR to collaborate with the Indiana Geological and Water Survey (IGWS) to "perform a quality review of the water resources data compiled from the reports submitted by owners of significant water withdrawal facilities for all calendar years since 1985". The IGWS completed their review of existing SWWFs in 2018 and provided the IDNR, Division of Water with detailed well and intake locations as well as identifying approximately 3500 potential unregistered facilities within Indiana. IDNR staff will rectify existing SWWF locations and is currently conducting field investigations of potential unregistered facilities in the Great Lakes Basin. About 500 unregistered SWWFs have been visited by DNR and 50 new SWWFs have been registered within the basin.
- Standardized forms for the "Application for Individual Permit for a New Water Withdrawal" and the "Notification of Sale or Transfer of Baseline Volume of Significant Water Withdrawal Facility" within the Great Lakes Basin were completed and approved in 2019, and available for use on the IDNR, Division of Water webpage at https://www.in.gov/dnr/water/2450.htm.
- The brochure "Significant Water Withdrawal Facility and Water Use Information" was updated in 2020, and provides an overview of Indiana's SWWF registration and annual water use reporting program. The brochure is available on the IDNR, Division of Water webpage at https://www.in.gov/dnr/water/files/wawater-use-brochure.pdf.

- o In January, 2022, the DNR received a request from the Wolverine Pipeline Company to collect an estimated 615 gallons-per-day of stormwater from a petroleum tank facility located in Hammond, Indiana and direct the water to the City of Hammond's wastewater treatment facility to be appropriately treated and discharged due to contamination concerns. Hammond Water Works withdraws water from Lake Michigan for public water supply purposes and was assigned a baseline withdrawal capacity of 76 million gallons per day (MGD). Because the wastewater treatment plant for the City of Hammond is located within that portion of Indiana that drains into the Illinois River (under the Illinois Diversion consent decree), Hammond Water Works was also assigned a baseline diversion volume of 76 MGD. The proposed stormwater collection from Wolverine's petroleum tank facility is located within the Great Lakes Basin and the collected stormwater would be directed to the City of Hammond's wastewater treatment facility; therefore, the DNR considered the discharge as a new or increased diversion of water from the Great Lakes Basin. Because the water works facility and wastewater treatment plant are both owned and operated by the City of Hammond, the DNR determined that the baseline volume of 76 MGD assigned to Hammond Water Works could be applied to the wastewater discharge amounts and would therefore include the City's combined sewer overflow discharges and any additional stormwater discharges, including the proposed discharge by the Wolverine Pipeline Company. The DNR presented this issue before the Great Lakes Regional Body and Compact Council during their June 15-16, 2022 meeting in Erie, Pennsylvania. Based upon feedback from the Regional Body and Compact Council, diversion volumes reported by the City of Hammond under Indiana's implementation of the Great Lakes Compact are being reevaluated and will be based upon wastewater discharge volumes from the City of Hammond's wastewater treatment facility. The DNR believes the wastewater discharges will provide a more accurate report of diversion volumes by accounting for combined sewer overflow discharges and any additional stormwater discharges being directed to the City of Hammond's wastewater facility. Because the stormwater discharge from the proposed Wolverine Pipeline project would be accounted for under the reported discharge volume from the City of Hammond's wastewater treatment facility, it will not be considered a new or increased diversion of water from the Great Lakes Basin.
- O The DNR, Division of Water began collaborating with the Indiana Geological and Water Survey (IGWS) in 2024, for assistance with digitizing water well records. The Division of Water receives approximately 8,000-10,000 water well records annually. These records contain information about well construction, depth, capacity, and geologic materials identified during the installation of the well. The IGWS received grant funding in 2024 to assist the Division of Water in maintaining the pace of water well record digitization. To date, approximately 13,000 records have been digitized by IGWS staff.
- 5. The State of Indiana's timeline for implementation of voluntary Water Conservation and Efficiency Program.

- Indiana has met its obligations under Section 4.2 of the Compact, including development of water conservation and efficiency goals and objectives consistent with the basin wide goals and objectives by December 8, 2010 (two years from the effective date of the Compact). The goals and objectives outlined in the Compact have been incorporated by reference within Rule 312 IAC 6.2.
- Public outreach and input regarding development of Indiana's voluntary Water Conservation and Efficiency Program has been utilized, and feedback from SWWF's will continue to shape the program through the coming year(s).
- Meetings continue with the Michiana Irrigation Association, the Indiana Ground Water Association, Northwest Indiana Regional Plan Commission, Indiana Steel Producers Environmental Working Group, Indiana Mineral Aggregate Association and the Indiana Section of the American Water Works Association for available outreach opportunities and input as the conservation and efficiency program continues to develop and evolve.
- The Department of Natural Resources completed work with the Natural Resources Commission for the final adoption of amendments to Rule 312 IAC 6.2 as LSA Document #13-335(F) which implements permitting and voluntary water conservation and efficiency programs for facilities applying for new or increased withdrawals, diversions, and consumptive uses. Permanent Rule 312 IAC 6.2 became effective September 3, 2014.
- The Department of Natural Resources completed work with the Natural Resources Commission for the final adoption of amendments to Rule 312 IAC 6.2 under Administrative Cause #15-076W in response to a "Petition to Change Great Lakes Compact Implementation Permanent Rule (LSA #12-1335)" submitted by the membership of Save the Dunes, Natural Resources Defense Council, National Wildlife Federation and the Alliance of the Great Lakes. Amendments include voluntary conservation and efficiency objectives currently set forth in Rule 312 IAC 6.2 to be listed in full rather than by reference. The rule package received final adoption by the Natural Resources Commission on March 20, 2018, and amendments became effective on June 8, 2018.