Water

Water is a human right, indispensable to every community, ecosystem and economy. It's also a critical resource to PepsiCo's business: it irrigates the crops we use, is an ingredient in many of our foods and drinks and is essential to ensuring we meet the highest product safety and quality standards.

However, water insecurity is a significant global challenge. With climate change and other factors placing a heightened burden on the global water supply, companies like ours can contribute their expertise and resources to try to help address these issues.

That's why we're aiming to become net water positive and working to replenish the water that we use in areas of high water risk by 2030.

We've set high standards for ourselves and our supply chain in support of this vision, including enhancing watershed management within our operations and across our agricultural practices, and contributing to broader community water health.

Approach

As one of the first companies of our size to acknowledge access to water as a human right, we take our vision of becoming net water positive seriously. The foundation of our net water positive vision is an effort to work towards improving water resources in high water-risk areas where we operate.[1] Progress toward this vision relies not only on our own operations, but on water stewardship at franchise bottler manufacturing facilities.

In pursuit of our vision to become net water positive, we have adopted an approach to watershed management that includes efforts to:

- **Improve water-use efficiency** in manufacturing facilities;
- **Replenish water and improve the health of the local watersheds** that are at highest water risk where we source crops and where we operate; and
- **Increase safe water access** for communities that face water insecurity, including scarcity and unsafe water sources.

1 High water-risk facilities are identified as part of PepsiCo's triennial water risk assessment process which integrates third-party data (e.g., World Resource Institute's (WRI) Aqueduct tool; World Wide Fund for Nature (WWF) Water Risk Filter tool) and subject matter expertise alongside site-specific data to determine and quantify the level of physical (quantity and quality), regulatory and reputational water risk. More information on how we assess water-risk can be found on the Water page of ESG A-Z Topics

Our path to net water positive

How is PepsiCo working to be net water positive?

	Use less water	Replenish water	Provide safe water access
How	**Increasing** water-use efficiency in manufacturing and agriculture by:	**Partnering** with leading NGOs to deliver nature-based solutions to strengthen and rehabilitate degraded ecosystems in high water-risk areas by:	**Investing** in distribution, purification and conservation programs that:
	Improving on-farm irrigation efficiency and water management	Helping to restore degraded wetlands	Support the construction of water supply and sanitation facilities
	Helping farmers irrigate their crops by collecting, treating and reusing rainwater	Applying forestry management, including reforestation, in stressed catchments	Improve access to hygiene in schools and sanitation in households
	Optimizing water use efficiency in manufacturing through initiatives such as implementing innovative technologies to create circular water systems for manufacturing	Removing non-native species where they negatively impact local watersheds	
		Using sustainable land management tools to control water levels and reduce runoff	
Why	To mitigate risks to our manufacturing water supply which affects agriculture and crops	To improve the health of and protect high-risk watersheds	To enhance access to safe drinking water for communities where we operate	To support the healthy functioning and governance of watersheds

Within our operations, we're focused on water-use efficiency

To continue making our operations more water-efficient, we're focused on scaling proven manufacturing processes and treatment technologies, and fostering a culture of water sustainability among our employees.

By innovating and scaling solutions globally, we met our 2025 water targets (to achieve a 25% improvement in water-use efficiency in high-risk areas and to improve water-use efficiency by 15% as part of our broader goal to advocate for and contribute to a measurable improvement in the health of high water-risk watersheds where we directly source our crops) two years early. In 2024, we continued this momentum, expanding and refining these solutions to deepen impact, including:

- **Ingredient water capture:** Since 2021, PepsiCo has been pioneering technology to capture the water in potatoes during the frying stage of chip production. We recover and treat to safe drinking standards the fryer vapor condensate from potato chip operations instead of letting it evaporate off as steam. In 2024 at our Pune, India foods site, we piloted a newer, more efficient edition of this technology. Using an air cooled heat exchanger instead of a conventional water cooled system, we optimized the fryer vapor, heat and condensate recovery without the need for cooling water.
- **Water efficient potato chip processing:** We expanded the use of new washing technologies at convenient foods factories in the U.S. in 2024. Two new tools, used in the peeling and slicing stages of processing potatoes, help us reduce the amount of freshwater needed by up to 30 percent.

We also continue to expand our **Resource Conservation (ReCon) program** across PepsiCo facilities. The program helps employees identify low- or no-cost opportunities for energy and water savings at our manufacturing sites. 2,000 people were trained and 25 site ReCon Deep Dives were completed across the PepsiCo manufacturing network during 2024.

As a longstanding member of the Alliance for Water Stewardship (AWS), we set one of our pep+ water goals to adopt the AWS Standard in high water-risk manufacturing facilities by 2025. The number of facilities that have fully adopted the AWS Standard nearly tripled year over year from 27 in 2023 to 73 in 2024.

Achieve 100% water replenishment at company-owned facilities designated in high water-risk areas by 2025[1]

We must understand the conditions, challenges and risks of local watersheds to help improve the availability and quality of water in the communities in which we operate. To do so, we support collaborative solutions that address the specific needs of local watersheds and partner closely with farmers, landowners, state and federal agencies and NGOs.

In 2024, we invested $3.6 million into new water replenishment projects across 9 countries, bringing the total number of active water replenishment projects to 48. Combined, these projects replenished approximately 24 billion liters of water back into local watersheds. For detail on how we calculate the goal, please see our Calculation Methodology. Examples of 2024 projects include:

- **Stormwater Retention Ponds Project with The Nature Conservancy in the Florida Everglades:** This project aims to improve stormwater pond performance in the Florida Everglades watershed by retrofitting ponds with sensors, weather forecasting and adaptive controls to enhance and improve water quality, help mitigate floods and restore more natural flows.
- **Mokelumne River Watershed Project:** Sacramento-San Joaquin River watershed in California: In partnership with Blue Forest, the World Resources Institute and the Upper Mokelumne River Watershed Authority, this project focuses on restoring forest structure, composition and function in over 2,000 acres of the Mokelumne Basin, part of the greater Sacramento-San Joaquin River system in Sacramento, California.
- **Using native plants in Andalusia, Spain to help replenish the Segura River:** We are working with local stakeholders near the plant where we produce Alvalle Gazpacho to replenish the Segura River by replacing water-intensive invasive species with native plants adapted to the water availability of the region.

1 Contract manufacturers and co-packers are excluded. Our progress toward this goal relies in part on water-use efficiency at high water-risk franchise bottler manufacturing facilities. We are working to integrate their data into future calculations

Expanding our efforts to drive positive change beyond our walls

Water stewardship has long been a priority at PepsiCo, and we're sharing our learnings with our third-party manufacturers and others. In 2023, we launched a free, open-access online learning program on water through the learning platform Coursera. Courses include The Water Cycle, Water Security and Stewardship and Water Governance and Economics. To-date, over 730 non-PepsiCo individuals have registered for the program.

PepsiCo and the PepsiCo Foundation have also helped more than 96 million people since 2006 gain access to safe water through distribution, purification and conservation programs. In 2024, the PepsiCo Foundation invested $0.7 million in safe water access programs, and it plans to continue to expand the reach of its safe water access program by providing grants.

- The PepsiCo Foundation launched VivaOliva, a program aimed at supporting regenerative agriculture and water conservation in olive farming practices in Jaén, a region in Spain facing economic hardship.
- In 2023, PepsiCo launched a pilot program in India that aims to address water stress at a broader watershed level. Through this pilot program, we aim to work with farmers outside of our value chain to improve their knowledge on water-efficient farming practices while also working with ten local villages to develop long-term water security plans. In 2024, we engaged over 1,500 farmers in project activities and recharged over 80 million liters of water. Going forward, we plan to expand this program to additional villages, pursue additional funding and collaborate with local governments to increase reach.

Learn more about how water stewardship is integrated into our regenerative agriculture agenda, our strategic water collaborations and engagement and the strides we're making toward our goal to deliver safe drinking water to 100 million people by 2030.

~75%[1]

Replenished ~75% of the water we use in our company-owned manufacturing facilities in high-risk watersheds in 2024

~24B

Replenished ~24 billion liters of water to local watersheds in 2024

1 Refined 2030 goal announced on May 22, 2025. 2024 performance calculated retroactively. We continue to measure progress against our original 2025 goal and our extended 2030 goal. In addition to internal site-specific data, World Resource Institute's Aqueduct water stress assessment tool is used to reconfirm high water-risk areas every three years. In 2022, an updated water risk assessment identified additional company-owned high water-risk facilities, which are in-scope for calculating progress against our 2030 goal only. Reported performance does not include data from franchise bottler manufacturing facilities but work is underway to obtain it for inclusion in future years. For more information, see Calculation Methodology

Goals & progress

Achieving long-term improvements to high water-risk watersheds requires scale, partnership and engagement from all stakeholders in each of our locations. And given the uniqueness of each local watershed's ecosystem, scaling our solutions can take time and significant resources.

In May 2025, we refined certain water goals as part of a broader effort to refocus our sustainability ambitions where we believe we can help drive scale and position the company for long-term growth. Our 2024 ESG reporting suite, which includes this Summary and the ESG Topics A-Z pages, represents the first time we are reporting progress against these evolved goals.

In 2024, we made progress on our pep+ water goals:

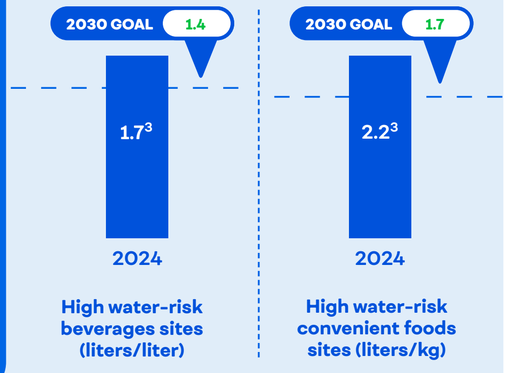
- Replenished approximately 75%[1] of the water used in our company-owned manufacturing facilities in high water-risk areas
- In total, global projects replenished approximately 24 billion liters of water
- Completed the adoption of the AWS Standard at 73 facilities and had 28 facilities in the process of adopting at the end of 2024
- Announced the delivery of our operational water-use efficiency goal in 2023, two years ahead of schedule

GOAL

2030 operational water-use efficiency high water-risk (HWR) goal

Reach average water-use efficiency ratios of **1.4 liters/liter of production in beverages sites** and **1.7 liters/kilogram of production in convenient foods sites** for 100% of HWR PepsiCo and franchise bottler manufacturing facilities by 2030[2]

PROGRESS

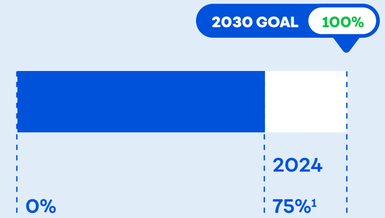


GOAL

2030 local watershed replenishment goal

Replenish back into the watershed **100% of the water** we use in high water-risk PepsiCo and franchise bottler manufacturing facilities by 2030[4]

PROGRESS

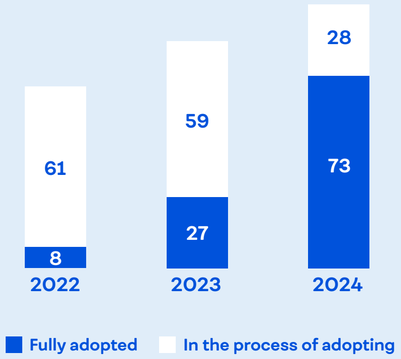


GOAL

2025 water stewardship standard goal

Adopt the **Alliance for Water Stewardship (AWS) Standard** in high water-risk manufacturing facilities by 2025

PROGRESS

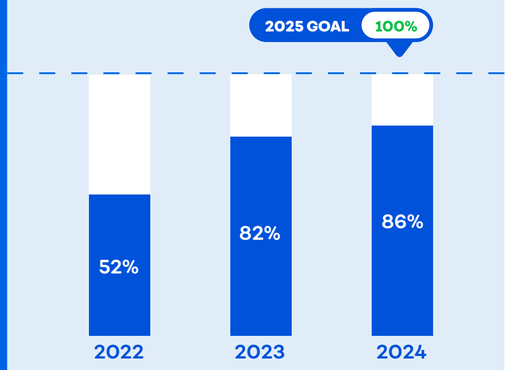


GOAL

2025 local watershed replenishment goal

Achieve **100% water replenishment** at company-owned facilities designated in high water-risk areas by 2025[5]

PROGRESS



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2 Contract manufacturers and co-packers are excluded. Our progress toward this goal relies in part on water-use efficiency at high water-risk franchise bottler manufacturing facilities. We are working to integrate their data into future calculations

3 Refined goal announced on May 22, 2025. 2024 performance calculated retroactively. For more information, see Calculation Methodology. Reported performance does not include data from franchise bottler manufacturing facilities but work is underway to obtain it for inclusion in future years

4 Contract manufacturers and co-packers are excluded. Our progress toward this goal relies in part on replenishment associated with high water-risk franchise bottler manufacturing facilities. We are working to integrate their data into future calculations

5 World Resource Institute's Aqueduct water stress assessment tool is used to reconfirm high water-risk areas every three years. We continue to measure progress against our original 2025 goal and our extended 2030 goal. In 2022, an updated water risk assessment identified additional company-owned high water-risk facilities, which are in-scope for calculating progress against our 2030 goal only. The reported replenishment volumes for company-owned facilities are currently being capped at 100% per location. Once we achieve 100% for each company-owned location, we will start to then report progress of more than 100% replenishment at sites as applicable

Explore Water topics in more depth

PepsiCo's ESG Topics A–Z provides detail on strategy, data, policy, progress and more on a wide range of subjects.

- Agriculture
- Human rights
- Water

Read stories about Water initiatives at PepsiCo →