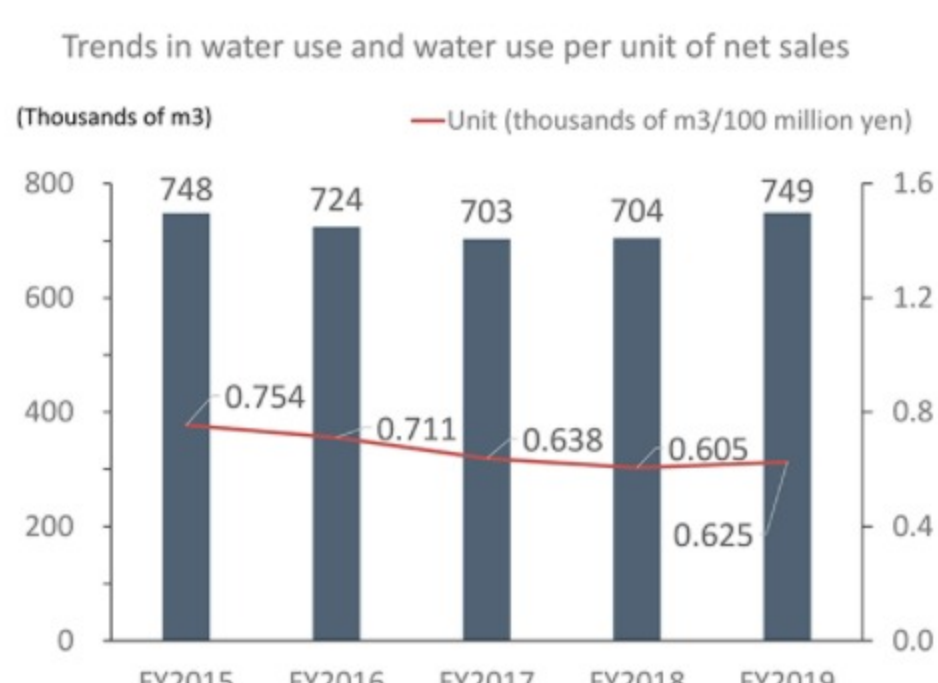


Protecting our water resources

Effective use of water resources

Hamamatsu Photonics is conducting activities aimed at supporting a 5% or more reduction in water use per unit of net sales (in comparison with FY2016) until the fiscal year ending September 30, 2021 (FY2021). We met this target in FY2019, with a 12.1% reduction as compared with FY2016.



We recognize the importance of water resources and is dedicated to reducing its use, as well as recycling the water it does use. We conduct water-saving campaigns in-house. At its Main Factory, we have introduced a system to obtain half of the water used in pure-water manufacturing from recycled water. Today we recycle 200,000 m³ of water per year.

Wastewater management

	Unit	FY2017	FY2018	FY2019
Water use (total)	Thousands of m ³	703	704	749
Tap water	Thousands of m ³	95	98	105
Well water	Thousands of m ³	608	575	601
Industrial water	Thousands of m ³	0	31	43
Wastewater (total)	Thousands of m ³	631	634	664
Public sewer	Thousands of m ³	95	127	135
River discharge	Thousands of m ³	536	507	529

Note: The term “third-party water” used by the CDP Water applies to the total of tap water and industrial water as shown in this table.

Hamamatsu Photonics monitors water intake and wastewater volumes at all of its factories and research facilities, based on the laws of Japan and its own criteria. Each month, third-party analytical organizations conduct wastewater analysis, testing wastewater at points just before the final discharge ports. If abnormal values are discovered, we immediately undertake to determine the causes and takes appropriate measures, in strict compliance with environmental laws and regulations.

Evaluation of water risk

Hamamatsu Photonics has participated in and responded to the CDP Water Survey every year since 2016. At each production site in Japan and overseas, we evaluate its water risk using the latest water-risk evaluation tools at least once a year. As of January 2020, we confirm that its domestic production facilities harbor no significant water risks. We will continue to evaluate water risk going forward.

Contributions to replenishment of groundwater and preservation of forests

• Replenishment of groundwater and preservation of forests

To preserve the groundwater in its home region, Hamamatsu Photonics and the Regional Groundwater Response Council cosponsor regular groundwater-replenishment and forest-preservation exercises. We participate in these exercises as a member of the Council, which is composed of Iwata City Environmental Preservation Promotion Council and groundwater users in the surrounding region. The aim of these efforts is to preserve abundant water resources for future generations by maintaining groundwater replenishment levels, through the cultivation of healthy forests. In 2019 we took part in maple-planting exercises aimed at replenishing groundwater, sponsored by the Regional Groundwater Response Council.

• Afforestation for protection against tides

As part of its activities to preserve biodiversity and contribute to the region, we participate in the “~KALA Project”. The “~KALA Project” is a project to plant protective stands of trees on the inland side of seawalls, to mitigate damage from tsunamis. The effort was initiated as part of the Hamamatsu Area Seawall Plan, led by the government of Shizuoka Prefecture. Since 2017 we have participated twice a year, with activities such as planting trees and mowing grass.



(Photo courtesy of: Iwata City)

Environment >

[Environmental management >](#)

[Protecting our water resources](#)

[Environmental communication activities >](#)

[Reducing carbon emissions and climate change >](#)

[Green procurement activities >](#)

[Environmental report back number >](#)

[Management of pollution including waste >](#)

[Management of chemicals in products >](#)