Reintroduction of aquatic bioresources

The aquatic bioresources reintroduction programme is an important part of field development projects.

Gazprom Neft subsidiaries and joint ventures (Gazprom Neft Development, Gazpromneft-Khantos, Gazpromneft-Yamal, Gazpromneft-Zapolyarye, Meretoyakhaneftegaz and Slavneft-Megionneftegaz) work to restore aquatic bioresources by breeding rare species of fish. Every year, millions of juvenile fish are released into the rivers of the Ob-Irtysh basin, composed of the Ural and Severnaya Sosva Rivers and other water bodies.

Under an agreement with the Government of the Khanty-Mansi Autonomous Okrug-Yugra, the company continues remedial operations by releasing, as a priority, juvenile Siberian sturgeon, sterlet, muksun, and broad whitefish, all locally bred.

45 million precious juvenile fish released into water bodies

Water resource management

The company views water stewardship, effective wastewater treatment and preventing the contamination of natural water bodies with oil or petroleum products as its priorities.

Gazprom Neft's water resources management projects aim to minimise water consumption, mitigate environmental risks and improve the ecological condition of water bodies and adjacent lands.

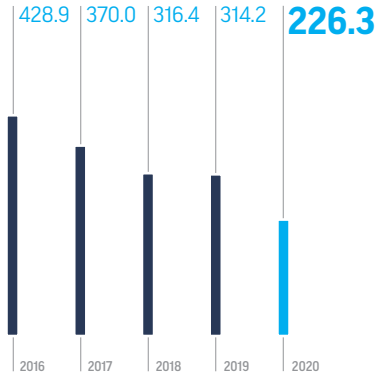
Internal water consumption decreased, mainly due to the fact that less water was produced from the Cenomanian strata and other groundwaters following a higher water cut in oil produced, coupled with an optimisation of the system for maintaining formation pressure at company fields.

Building Biosphere biological treatment facilities at the Moscow and Omsk Refineries ranks among the company's key water management projects. Gazprom Neft's total investment in these projects currently stands at more than ₽28 billion.

These facilities feature a multi-stage wastewater treatment system, which includes mechanical, physical and chemical, biological, filtration and ultrafiltration stages, as well as a reverse osmosis unit. Biosphere removes almost 100% of pollutants from wastewater.

The Moscow Refinery commissioned Biosphere towards the end of 2017. The facility recycles over 75% of water, with a threefold reduction in total water withdrawal. A similar facility is scheduled for completion at the Omsk Refinery in 2022.

Internal water consumption (mcm)



–28% reduction in internal water consumption