

# SmVaK Ostrava – Factsheet 2018

## ABOUT SMVAK

- Severomoravské vodovody a kanalizace Ostrava a. s. is the largest supplier of drinking water in the Moravian-Silesian Region and is among leaders in the water supply market in the Olomouc Region. SmVaK also supplies drinking water to a border territory in Poland (Jastrzębie-Zdrój). It has been among leaders on the Czech water market.
- Its core business is production and supply of drinking water as well as discharge and treatment of wastewater. In 2017 SmVaK produced 60,406,000 m<sup>3</sup> of drinking water. The water network is 5,061 kilometres long. The sewage system is 1,844 kilometres long.
- The majority owner of SmVaK is Aqualia Czech S. L. that owns 98.68 % shares.

## TERRITORY OF OPERATION

- SmVaK operates mainly in districts of Frýdek-Místek, Karviná, Nový Jičín and Opava.
- SmVaK supplies water on the basis of contracts to Ostrava, Studénka, Hlučín and other towns.
- It also supplies drinking water to a part of the Přerov district (for instance, Hranice na Moravě and Lipník nad Bečvou) and to a border territory in Poland (Jastrzębie-Zdrój).
- SmVaK operates sewage networks and wastewater treatment plants in Bruntál, Světlá Hora, Leskovec, Velké Losiny and Mosty u Jablunkova.
- Company operates supplies of drinking water for the Association of Syrákov Municipalities in the Region of Zlín.

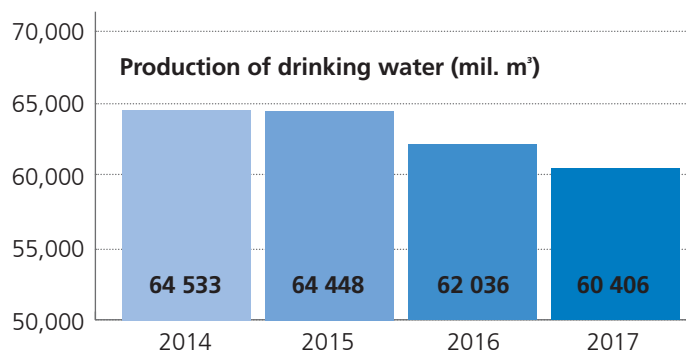
## OBJECTS OF BUSINESS

- The core business is production and supply of drinking water as well as discharge and treatment of wastewater.



## Production of drinking water

- 95 % of drinking water is produced from central resources managed by Povodí Odry (the river basin authority) in three main water treatment plants in the Ostrava Area Water Network Sources: dams Kružberk (in foothills of the Jeseníky Mountains), Šance, and Morávka (in the Beskydy Mountains).
- Ostrava Area Water Network – the key production and distribution system for supplies of drinking water in the Moravian-Silesian Region. This main water supply system consists of 504 kilometres of water pipelines, 113 reservoirs with the capacity of 302,638 m<sup>3</sup> and water treatment plants which can treat 5,470 litres per second.
- In some tomes, water is supplied from local sources (for instance, towns in the districts of Opava, Frýdek-Místek or Třinec).
- Water is also supplied for Ostrava where it is distributed by OVAK, a.s.
- 46 water treatment plants and 219 pumping/re-pumping stations.



## Supplies of drinking water

- Supplies of drinking water for more than 725,000 people. 133,322 service pipes (total length: 771 kilometres).
- Drinking water is supplied (as bulk water) to another. 300,000 people through third party water companies.
- 255 water reservoirs: more than 88,000 m<sup>3</sup> of drinking water.

## Wastewater

- Sewage systems in 80 towns (total length: 1,844 kilometres).
- Almost 515,000 people are connected to the sewage system through sewers. More than 530,600 people are connected to the wastewater treatment plant.
- 157 wastewater pumping stations.
- 28,094,000 m<sup>3</sup> of wastewater was treated in 2017.
- 68 wastewater treatment plants (65 mechanical-biological plants and 3 mechanical plants) - total capacity: 271,246 m<sup>3</sup> per day (equivalent population: 985,000).

## Additional services

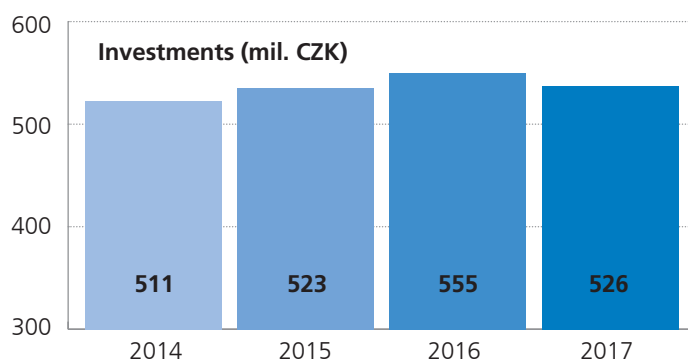
- Water-metering vehicle
- Wastewater metering vehicle
- Disposal of wastewater
- Analyses of water
- Special technical assistance
- Operation and inspection of hydrants
- Searching for pipes and troubleshooting
- Hydraulic analysis of water networks and service pipes
- Metering of water meters (remote reading and monitoring of increased flow)
- Alternate supplies of drinking water
- Removal of sludge from water pipelines
- Construction and erection
- Turn-key construction of service pipes for water/wastewater
- Operation of wastewater/water treatment plants on the basis of contracts
- Hydraulic analysis of sewage systems

## Quality of water

- High quality of water thanks to the central sources, treatment processes and water distribution processes.
- Quality of drinking water is governed by laws incl. EU directives.
- Continuous monitoring and analyses of quality of drinking water supplied in the water network. Permanent laboratory checks.
- Analyses of raw water before treatment and during treatment. Analyses of treated water. Analyses of drinking water at customers' sites (samples taken from water taps).
- Publication of weekly results of the quality analysis at [www.smvak.cz](http://www.smvak.cz).
- Quality of water has improved in past years thanks to improvements in the environment (higher quality of raw water) and thanks to advanced methods introduced into water treatment processes.

## ECONOMIC PERFORMANCE

- Earnings in 2017: CZK 2.42 billion. Profit before taxation: CZK 372.78 million.



- 129,108 customers as of 31 December 2017: 117,131 individuals and 11,977 legal persons.

## INVESTMENTS

- SmVaK Ostrava invests each year more than a half billion of CZK into reconstruction, modernisation, renewal and construction of water/wastewater plants.
- In 2017 the investments into repairs were in excess of CZK 212 million (more by 35% if compared with 2016).
- CZK 10.4 billion was invested from own sources into renewal and development of infrastructure from 1995 until 2017.

## SUSTAINABLE DEVELOPMENT

### People

- Occupational safety is of key importance for SmVaK. Occupational safety is governed by ČSN OHSAS 18001:2008. In 2017 SmVaK passed successfully the supervisory audit.
- Risks are regularly identified and assessed. Measures are taken in order to eliminate risks which jeopardise the health and safety of employees. Modern personal protective equipment is used.
- In 2017 a new project was launched. It focuses on culture of occupational safety and health prevention.
- More than 860 employees in 2017.
- Benefits resulting from the collective agreement.
- Quality Certificate ČSN EN ISO 9001: 2016 (Quality Management System).

### Environment

- Environment protection is a key value. Investments into discharge and treatment of wastewater, renewal of non-compliant networks, reconstruction and modernisation of wastewater pumping stations and wastewater treatment plants.
- Owner of ČSN EN ISO 14001:2016 (Environmental Management System).
- Investments into environment-friendly generation of heat and electricity. Seven small water power plants in the Ostrava Area Water Network and eleven cogeneration units in wastewater treatment plants.
- Determination and reporting of greenhouse emissions – carbon trace ČSN ISO 14064-1 and certification pursuant to ČSN ISO 50001 (Energy Management System).

### Community – the region

- Cooperation with the Technical University (VŠB-TU) of Ostrava.
- The Grant programme which supports the active employees who volunteer in non-profit projects: we are in the same boat!
- The unique interactive educational programme, Tree of Life, free for elementary schools in the region.