

SUSTAINABLE WASTEWATER OPERATION: LESSONS, CHALLENGES AND THE ROADMAP

Overview of Wastewater Management Sector of the Republic of Armenia

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WASTEWATER SECTOR IN ARMENIA

- In the Republic of Armenia, drinking water supply and sewerage (wastewater treatment) services provided by “Veolia Djur” CJSC and local self-government bodies.
- A Lease Contract has been concluded between the Water Committee and “Veolia Djur” CJSC for a period of 15 years, covering the years 2017–2031.
- The company was leased state-owned water infrastructure.
- Water infrastructures operated by local self–government bodies are communal property.
- Wastewater collection and treatment processes carried out by local self-government bodies are implemented through local wastewater treatment facilities. These facilities are constructed, for example, through co-financing programs (government +communities) and also with the support of other international organizations.

WASTEWATER SECTOR IN ARMENIA

Wastewater Treatment Facilities under the Lease Contract:

- **“Veolia Djur” CJSC** operates six wastewater treatment plants (WWTPs), where currently is carried out only mechanical treatment. One of these facilities is located in Yerevan, and 2 others are located in the cities of Dilijan and Jermuk. The remaining three are located in the Lake Sevan basin, in the cities of Gavar, Martuni and Vardenis.
- The operation and maintenance of these wastewater treatment plants are carried out by the Company.

WASTEWATER SECTOR IN ARMENIA

- *Planned projects in the field of wastewater treatment:*
- Currently, by the Asian Development Bank under the project of “Solutions for Promoting Environmental Sustainability and Disaster Resilience of Lake Sevan.” intended wastewater treatment management in the Lake Sevan.

The project consists of three phases:

- Phase 1: Modernization of existing WWTPs and addition of biological treatment
 - Phase 2: Construction of new WWTPs in medium-sized agglomerations
 - Phase 3: Construction of small individual WWTPs for isolated and small rural communities
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- The first phase envisages the conceptual modernization design of the existing Gavar, Martuni, and Vardenis wastewater treatment plants in the Lake Sevan basin, as well as the detailed (working) design of wastewater collection and conveyance systems, including pumping stations, for the respective cities and the adjacent rural settlements included in their agglomerations. The first phase includes: economic, financial, operational, and institutional analyses, as well as social and environmental safeguards assessments.

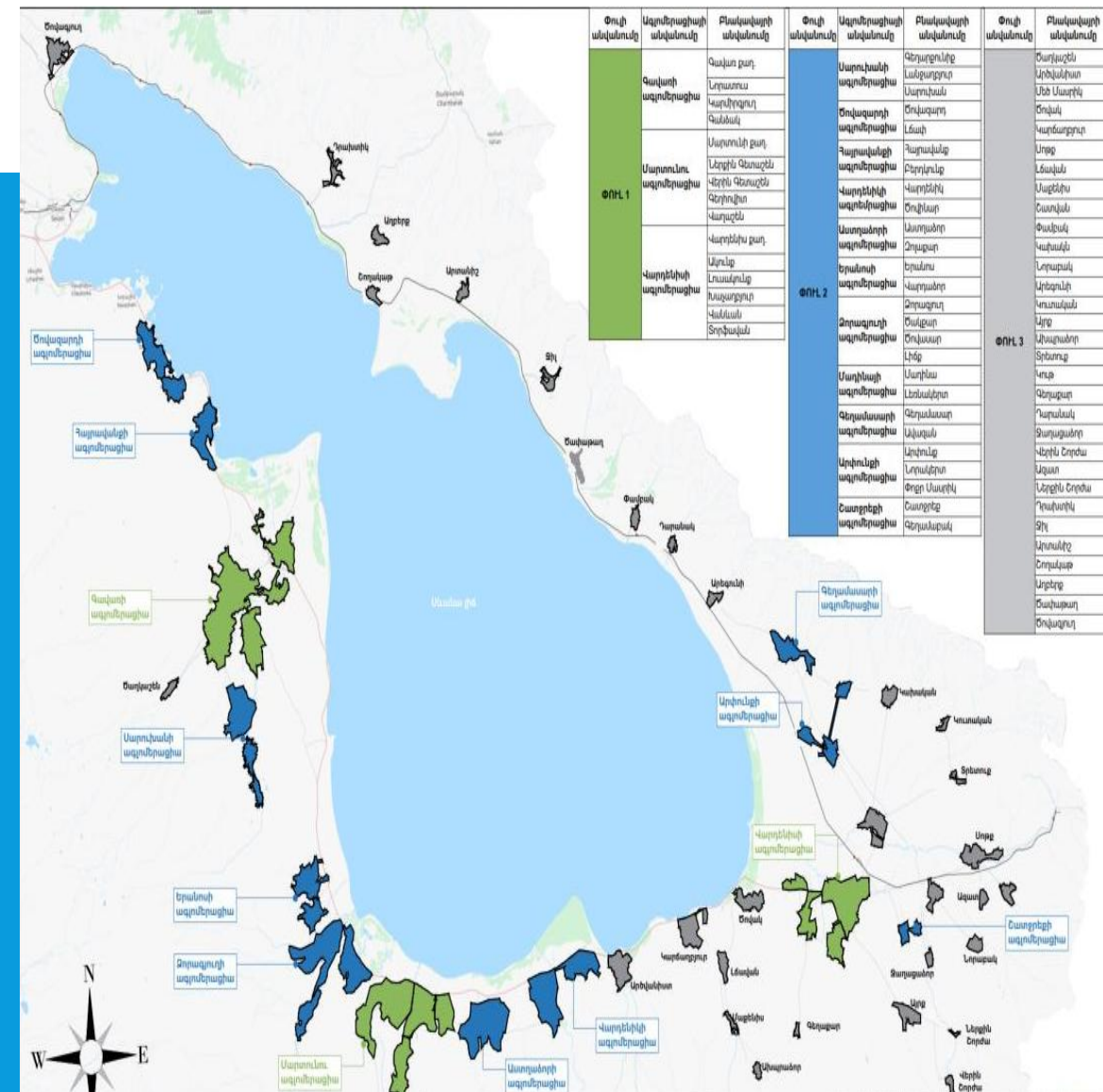
The Program has been approved by the Public Investment Committee.

Three-phase wastewater management program for the Lake Sevan Basin

Phases	Served PE*	Total investments Billions Armenian Drams	Treated wastewater million m ³ /year
Phase 1	104,082	39.6	6.11
2	69,019	43.7	4.57
3	23,358	21.8	1.58
Total	196,459	105. 1	12.26

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*PE – Population Equivalent





Project implementation schedule

	2027	2028	2029	2030	2031
Modernization and expansion of WWTP's					
Design, procurement, permitting					
Construction					
Testing and commissioning					
Start of operation					
Network rehabilitation and expansion					
Design, procurement, permitting					
Construction and commissioning					

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