

Feasibility Study to Commence for Yongin Advanced System Semiconductor National Industrial Complex Water Supply Project

- Completion of Phase 1 feasibility study this year ensures smooth progress of water supply for the semiconductor national industrial complex

The Ministry of Environment (Minister Kim Wansup) and the Korea Water Resources Corporation (CEO Yun Seogdae) announced that they will begin feasibility studies and the establishment of a basic plan for the ‘Water Supply Project for the Yongin Advanced System Semiconductor National Industrial Complex.’

This project aims to establish the infrastructure for supplying industrial water to foster the national advanced strategic industry. A total project cost of KRW 1.76 trillion will be invested by 2034 to create facilities capable of supplying 800,000 tons of industrial water per day to the ‘Yongin Advanced System Semiconductor National Industrial Complex.’ The project will be implemented in two phases: a priority section in Phase 1 and the main section in Phase 2*.

* (Phase 1) Utilizing the surplus water from Paldang Dam and the alternative volume from reclaimed wastewater, a supply of 200,000 tons per day will commence from 2031.

(Phase 2) Utilizing water from Hwacheon Dam, a supply of 600,000 tons per day will begin in 2035.

Prior to this, the Ministry carried out the exemption procedure for the preliminary feasibility study of the water supply project for the ‘Yongin Advanced System Semiconductor National Industrial Complex’ in February of

this year. In June, the Ministry amended and announced the National Water Supply Basic Plan containing the project plan.

In addition, the Ministry plans to further refine the water supply project plan through this feasibility study by reviewing the water intake points and available quantities, analyzing and forecasting the water demand of the resident industries, selecting the water supply pipeline routes, and identifying the key facilities required for water supply.

Furthermore, to ensure the timely completion of the project, plans are in place to review the optimal division of construction sections and implementation methods to minimize the construction period as much as possible.

The feasibility study and basic plan for the ‘Water Supply Project for the Yongin Advanced System Semiconductor National Industrial Complex’ are scheduled to take approximately 14 months, concluding by September of next year. This year, the feasibility study and basic plan for Phase 1 will be completed, followed by the advancement of Phase 2 next year.

Meanwhile, the Ministry plans to proceed with the project to ensure the timely establishment of industrial water supply facilities for fostering national advanced strategic industries, including completing the feasibility study for the ‘Pohang Blue Valley National Industrial Complex Water Supply Project (Phase 2)’ within this year.

Lee Seung-hwan, Director General of Water Use Policy Bureau, stated, “The timely supply of water, which is essential for the operation of industrial complexes, is a significant responsibility of the state in supporting the economic activities of businesses.” He added, “Starting with this feasibility study, we plan to proceed with the subsequent procedures without any setbacks and to advance the water supply project with a sense of urgency.”