A plan for the adjustment of water distribution in the Korean waterworks system

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ABSTRACT

The primary objective of this plan is to consolidate the current water supply system of Korea organized in the unit of city and county into wide area in order to supply the deficient region by fully utilizing the superfluous water volume of neighboring city and county. Furthermore, it also aims to prepare for the penetration of large foreign water supplier into domestic market by securing competitiveness through consolidation of domestic medium and small water suppliers in consideration of the forthcoming market opening. We determined the regions for which supplying system needs to be adjusted by analyze regions with deficient and superfluous water through the forecast of water supply and demand for established life areas. Further, we established a plan to utilize the superfluous water volume as an adjusted multi-regional water supply system such as a water supply plan in populated areas.

Keywords: Water distribution system; Local water and multi-regional system; Purification plants

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