

Determinants of willingness to pay for improved water supply services in rural Kazakhstan

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The UN Sustainable development goals declare to provide water, sanitation and hygiene for all. The supply of affordable and safe water is a global priority and there is thus a requirement for a safe drinking water management and management of excreta disposal and wastewater. The current paper assesses the determinants of consumers' willingness to connect and pay (WTP) for the piped water in rural Kazakhstan. The results show that local villagers use water from different sources and at least three quarters of the respondents are willing to connect and use water from the piped water supply. The general defined determinants for WTP should be carefully considered among the different water users. Perceived water quality is a variable that is relevant for all water users. Other variables such as perceived reliability and the time-spent to collect water from the source, in-household treatment of water, and income perception are also significant but differently correlated with the WTP among different water users. Although, piped water is considered to be a safe system if properly managed, still some water users are reluctant to pay for the system and are satisfied with their current water supply and sanitation services. In this case, a proper management for the drinking water and wastewater and safe management of the excreta disposal should be supplied. It is recommended to include local water users' opinion as regard the willingness to connect and pay for the piped water system. The findings are of particular importance for policy-makers, water managers, engineers, and public health specialists.