SUMMARY

Rising water rates adversely impact households which are already experiencing financial distress. Some utilities struggle to comply with providing affordable water service while also complying with health and environmental regulations. Achieving water affordability requires a multi-pronged approach of asset management, water conservation, appropriate rate setting, and customer protections and affordability programs.

ISSUE

Shrinking Great Lakes cities are challenged by the loss of residents and industry, and higher rates of poverty and unemployment. Many water utilities in these cities are faced with 1) decreased water sales due to fewer customers; 2) legacy infrastructure nearing the end of its service life; and 3) historically low water rates insufficient for adequate infrastructure investment. Under these conditions, water infrastructure may deteriorate until it fails, at which point a water rate increase becomes politically feasible. However, rising water rates significantly impact households which are already experiencing financial distress. Residents can be evicted or foreclosed upon due to unpaid water bills. If water service has been suspended, social workers are required to put children into foster homes. In one case of mass shut offs, water was unavailable to families with "children who needed [it] to cleanse nebulizers for asthma...and disabled residents with breathing machines that require water." Utilities and local agencies may respond with customer assistance such as repayment plans and subsidies, but these measures fall short of adjusting water rates to reflect household ability to pay.

POLICY CONTEXT

The U.S. EPA’s affordability criterion for water (“water burden”) is 4.5% of median household income for the combined cost of drinking water and wastewater service. Some utilities, particularly small water systems, struggle to comply with meeting the affordability criterion while also complying with health and environmental regulations. The primary federal funding programs for water infrastructure improvements are the Drinking Water State Revolving Fund (SRF) and the Water Infrastructure Finance and Innovation Act (WIFIA). WIFIA offers loans at U.S. Treasury fixed interest rates, with flexible repayment terms, and the ability to delay repayment until five years after project completion. Critics argue that WIFIA prioritizes private projects, particularly oil- and gas-related projects. WIFIA also competes with the well-established SRF for the same pool of available dollars.
Best Practices in Implementing Affordability Programs include standard bill discounts, arrearage forgiveness, and targeted provisions for economically disadvantaged customers. The rate structure should not be used for other municipal services. Rates must be fair and equitable, and incorporate affordability provisions for economically disadvantaged customers. The rate structure should be transparent and understandable to customers, easy to administer, and annually reviewed.

Appropriate Water Rates

Once a utility conducts a cost-of-service rate study, the rate setting process can begin. The rate structure should reflect several key principles. Rates should be based on accurate financial and customer information. Rates should result in a revenue level that fully funds the cost of operation, maintenance, and capital investment. Water revenue should not be used for other municipal services. Rates must be fair and equitable, and incorporate affordability provisions for economically disadvantaged customers. The rate structure should be transparent and understandable to customers, easy to administer, and annually reviewed.

Affordability Programs & Customer Protections

Best practices in implementing affordability programs include standard bill discounts, arrearage forgiveness, and mandated protection of vulnerable populations. Bill discount programs include lifeline rates, income-qualified programs, and percentage of income payment plan (PIPP). Lifeline rates, available for all customers, establish a fixed, low rate for a small amount of water. Income-qualified programs offer discounts for customers whose income is lower than a given threshold. PIPP programs set utility bills at a percent of a customer’s income, provided that consumption remains below a certain level. Arrearage forgiveness allows utilities to forgive debts if customers pay their bills on time over a period of time. And lastly, water service disconnection may be prohibited for vulnerable populations such as low-income households with children under 18, elderly over 65, pregnant and lactating women, persons with disabilities, and persons with chronic or catastrophic illnesses.