Charge Question 1

Research Area 7

Drinking Water/Distribution Systems

Charge Question 1: The SSWR research program is implementing drinking water and distribution system research focused on lead/copper control, management of disinfection by-products (DBPs), and opportunistic pathogens. These issues are especially challenging for small systems and some environmental justice communities.

What suggestion(s)/recommendation(s) does the Subcommittee have on ORD's implementation of its drinking-water and distribution research, and in particular on how these research activities can be comprehensively integrated to ensure safe disinfectant levels, while minimizing or eliminating exposure to lead, opportunistic pathogens, and DBPs in small treatment and distribution systems and in disadvantaged communities?

Charge Question 2

Research Area 8 *Per- and Polyfluoroalkyl Substances (PFAS)*

Research Area 9 **Wastewater/Water Reuse**

Charge Question 2: ORD water reuse researchers have worked closely with other organizations (e.g. Water Research Foundation) to avoid duplicative research, especially in large municipal direct potable reuse systems. This coordination led to SSWR implementing research focused on non-municipal sources of wastewater (e.g. industrial, agricultural) and decentralized non-potable end uses that can contribute to increased resiliency of water resources, especially in areas facing increased frequency, intensity, and duration of higher temperatures and drier climate patterns.

Please comment on the implementation of ORD's water reuse research, and what suggestion(s)/ recommendation(s) does the Subcommittee have regarding SSWR's water reuse research for helping to innovatively augment water supplies and improve resiliency by identifying promising alternative water sources?

Charge Question 3

Research Area 10 **Integrated Stormwater Management**

Charge Question 3: Stormwater management approaches can decrease stormwater runoff to wastewater treatment systems (combined sewer systems) and stream discharges (municipal separate storm sewer systems). Consequences from combined sewer systems frequently affect lower-income areas in urban settings. These effects may be exacerbated in areas subjected to increased intensity, duration, and frequency of extreme precipitation events.

In addition to evaluating ORD's stormwater research activities, what suggestion(s)/recommendation(s) does the Subcommittee have to improve the utility of these research activities to provide integrated decision-support tools for stormwater management in disadvantaged communities?

Research Area 11 **Technical support**