

Unlocking Finance for Urban Water Reuse and Resilience

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FH 307



Facilitator:

Mr. Olivier Mills, *Director, International Partnerships & Virtual Services, Centre for Affordable Water and Sanitation Technology*

Speakers:

Mr. Biju George, *Chief Operating Officer, DC Water*

Mr. Nyonge Phiri, *Manager of Sewerage Services, Lusaka Water and Sewerage Company*

Ms. Anushka Salmin, *Deputy Director, Suriname Water Management*

Closing:

Ms. Tori Phillips, *Program Manager, U.S. Water Partnership*

Suriname Water Management

Background

- 2/3 of population is urban
- Grey water and black water is collected, settled, and discharged into open sewers
- Coal mining pollution
- Low tariffs due to high fresh water availability

Key Challenges & Opportunities

- Low political will of wastewater treatment – limited knowledge and awareness of wastewater among decision makers and managers
- Water reuse is nonexistent – missed opportunity for agriculture, industry, and bio-energy

Lusaka Water and Sewerage Company

Background

- Water supply deficit (50%)
- 40% from surface water 65km away
- 60% from boreholes under threat of contamination (nitrates)

Key Challenges & Opportunities

- Ageing sewerage infrastructure
- Low sewer coverage (about 10-20%)
- Limited social acceptance of wastewater reuse for drinking

DC Water

Background

- Wholesale wastewater service to Washington, DC and counties in surrounding states.
- Ageing pipes – median age is 80 years, some date back to 1850s
- World's most advanced wastewater treatment plant
- Annual combined budget of capital and operating is close to USD \$1 billion

Key Challenges & Opportunities

- Providing water as a service
- Reinterpreting existing infrastructure and the future of water sources
- Private public partnerships and innovative financing

Activity

- Form groups, introduce yourselves – name, organization, and a fun fact about yourself
- Select 3 or more challenges from the list to discuss
- As you discuss, think about how you, your organization, or someone you know can help address these challenges