



Economic & Trade Mission
Embassy of Israel
Washington, D.C.



Ministry of Environmental Protection

State of Israel



Ministry of Agriculture and
Rural Development



U.S.-IL Collaboration on Water Reuse:

Israel Water Reuse Virtual Tour, May 25th-27th, 2021

This Virtual Tour will focus on the measures that enabled Israel to reuse over 85 percent of its wastewater, as a key factor in moving from water scarcity to sustainable water management. The event will introduce water reuse policy and regulatory approaches, institutional arrangements, implementation mechanisms, technologies and case studies.

This event is hosted by the Israeli Ministry of Environmental Protection, the Economic & Trade Mission at the Embassy of Israel, and U.S. Environmental Protection Agency in collaboration with the Israel Water Authority, Israel Ministry of Agriculture and Rural Development, Agricultural Research Organization (ARO), Israel Ministry of Health, WaterEdge.IL, WaterReuse Association, U.S. Department of Agriculture, and U.S. Food and Drug Administration.

This event is in fulfillment of [Action 11.1](#) in the National Water Reuse Action Plan, "Facilitate U.S.-Israel Collaboration on Water Reuse." and in support of the EPA/Israeli Ministry of Environmental Protection Memorandum of Understanding.

DAY 1 - Tuesday, 25 May

10:00 AM EST to 12:00 PM EST

Development, Policy and Regulation of Water Reuse in Israel

10:00 - 10:15 - Opening and welcome remarks (*Israel Ambassador to the U.S, Mr. Gilad Erdan; USG-TBC*)

10:15 - 11:00 - Water Reuse in Israel: Development and Regulation (*Israel Water Authority; Ministry of Environmental Protection; Ministry of Health*)

11:00 - 11:30 - Case Studies of Decentralized Municipal and Industrial Wastewater Reuse (*Emek Hefer Reclamation Plant; Hadera Paper*)

11:30 - 12:00 - Moderated Q&A Discussion (*Moderated by FDA*)



WATER REUSE



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DAY 2: Wednesday, 26 May

10:00 AM EST to 12:00 PM EST

Israel's Approach to Water Reuse Implementation, Technology and Mechanisms

10:00 - 10:05 - Brief opening announcement

10:05 - 10:35 - The Utility Perspective on Water Reuse - Overview and Tariffs (*Israel Water Authority; Ministry of Environmental Protection*)

10:35 - 10:55 - Case study: Shafdan Metropolitan Wastewater Treatment Plant (*Mekorot – Israel's National Water Company*)

10:55 - 11:30 - Challenges, Technologies and Solutions (*BIRD -Bilateral collaborative model; Monitoring wastewater at the sewer network using big data; Decentralized wastewater tertiary treatment; Water reuse for drinking water: PFRO*)

11:30 - 12:00 - Moderated Q&A Discussion (*Moderated by EPA*)

DAY 3: Thursday, 27 May

10:00 AM EST to 12:00 PM EST

Increasing Israel's Agricultural Irrigation Efficiency through Recycled Water

10:00 - 10:05 - Brief opening announcement

10:05 - 11:00 - Agricultural Irrigation with Recycled Water – Regulation framework and Scientific Research (*Ministry of Health; MoARD, Agricultural Research Organization - Volcani Institute; BARD - Bilateral collaborative model*)

11:00 - 11:30 - Challenges & Technologies and Solutions – Irrigation and Soil Sensors (*Recycled water irrigation - special design of the dripline components; Precision Agriculture and Smart Farming; Precision Irrigation Using Drone Tech*)

11:30 - 12:00 - Moderated Q&A Discussion (*Moderated by USDA*)