BUSINESS AS USUAL IS NOT AN OPTION

Oded Distel
WATER - A National Priority
Water Decoupling

- Natural water refill: 1170 MCM (per year)
- Water consumption: 2030 MCM (per year)

- Annual Shortage of over ~45%
- Daily Domestic Consumption Per Capita ~170 Liters

Source: Israeli Water Authority
Chain of Treated Wastewater Supply

**Procedure**
- Sewage producer
- Wastewater Treatment Plant
- Effluent reclaiming systems
- Agricultural irrigation

**Regulator**
- Water Authority
- Ministry of Environmental Protection
- Ministry of Health
Water Tariffs for the Agriculture Sector

- Reclaimed wastewater for unlimited irrigation is ~ 0.33 $/m³
- Reclaimed wastewater for limited irrigation is ~ 0.28 $/m³
- Potable water for Agriculture is ~ 0.56 $/m³
Wastewater Treatment Plant (Shafdan) and the Pipeline to Negev

- Sewage from the Greater Tel Aviv area – 125 MCM/Y
- Large-scale WWTP – secondary treatment quality
- Six infiltration fields
- Over 150 production and monitoring wells (quality permitted for “occasional drinking”)
- 90km pipeline to Negev
- 32 pumping stations, operational storages (0.51MCM) and seasonal storages (17.2 MCM)
Decentralized Sewage Treatment