

# Lowering Desalination's Energy Footprint: Lessons from Israel



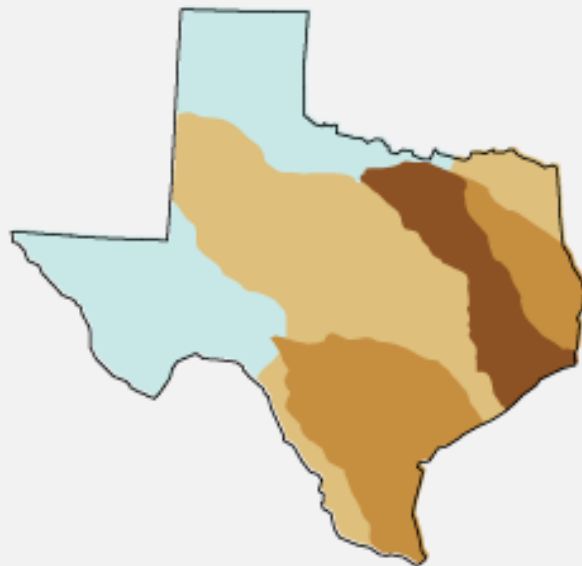
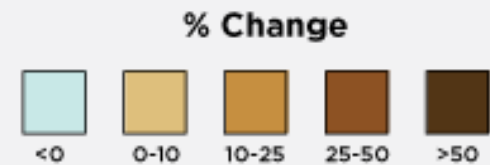
Kate Zerrenner  
Senior Manager, Energy-Water Initiatives  
Environmental Defense Fund



# 2017 State Water Plan



## Projected Changes in Demand For Water, 2005-2060



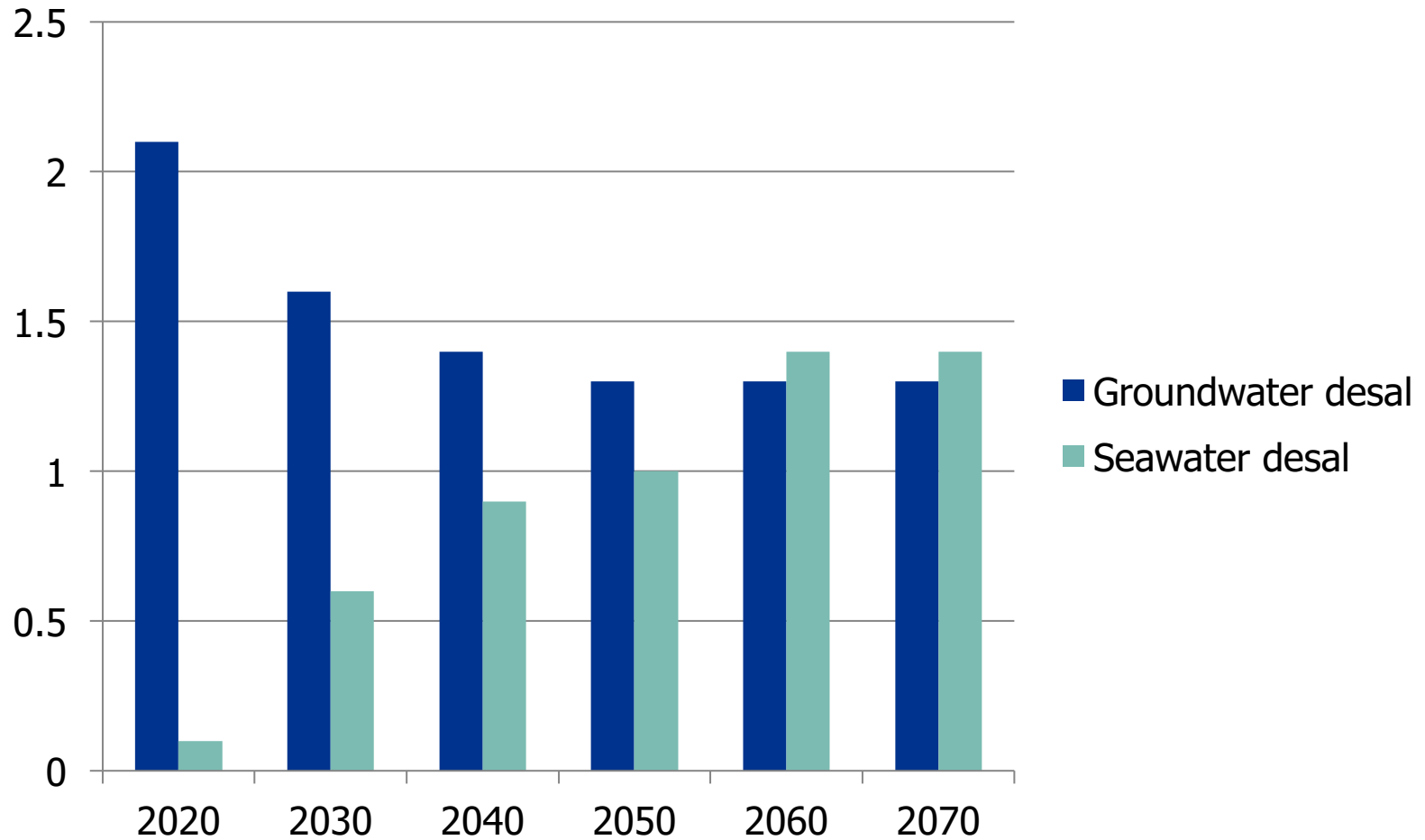
**without climate change**



**with climate change**

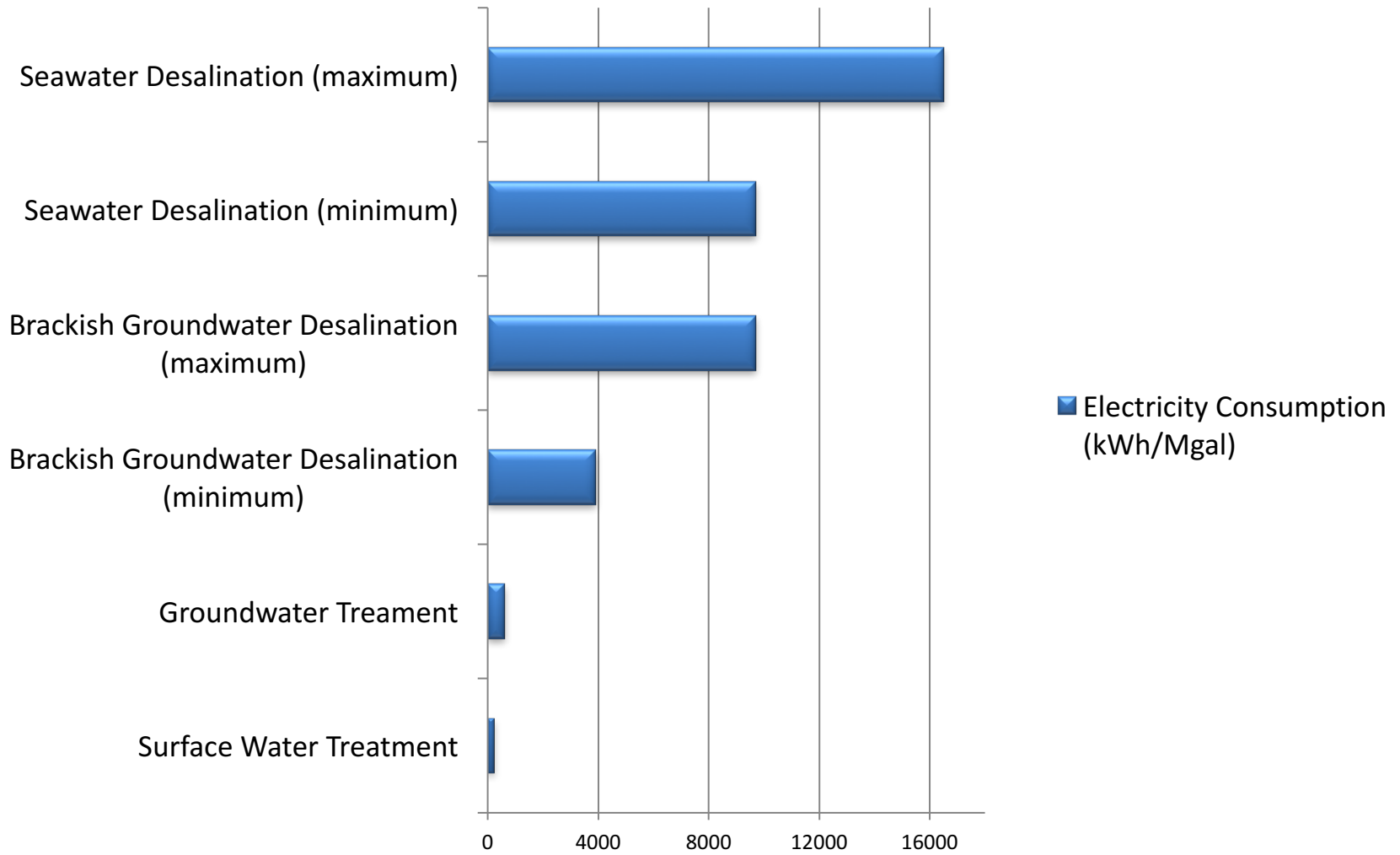
Source: 2014 National Climate Assessment

# Desalination as water management strategies in State Water Plan



Data: 2017 State Water Plan, Texas Water Development Board

## Electricity Consumption (kWh/Mgal)









# On-site generation: Hadera



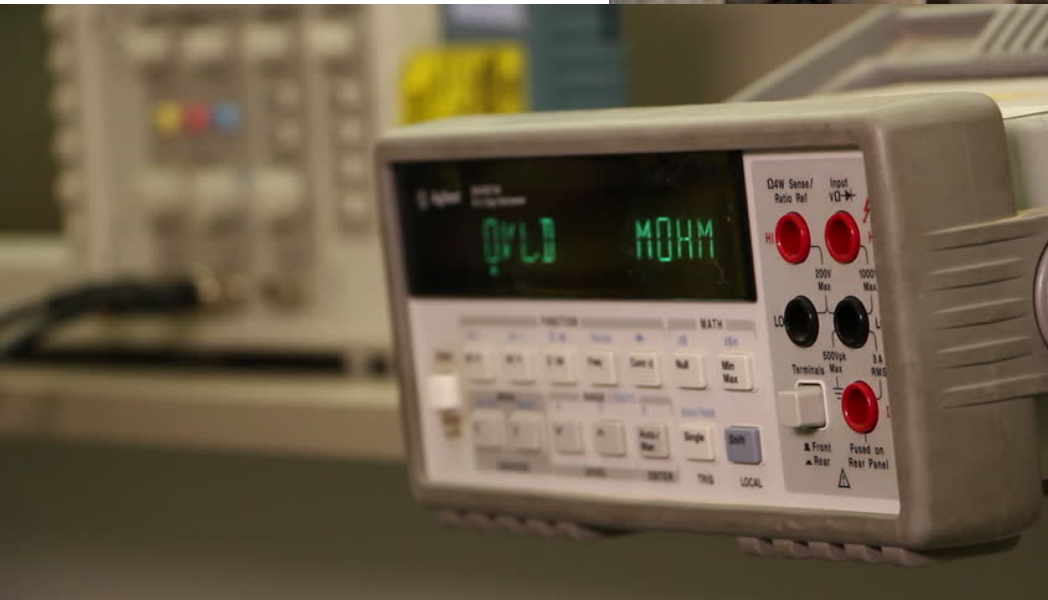


# Energy efficiency: Sorek





# Smart electricity pricing: Sorek



# Wind Desalination







# Solar Desalination



**“If you want to save your children, pay attention to water.”**

Shimon Peres  
President of Israel, 2007-2014





**Kate Zerrenner**  
kzerrenner@edf.org  
512-691 3423  
Twitter: @KateZerrenner

