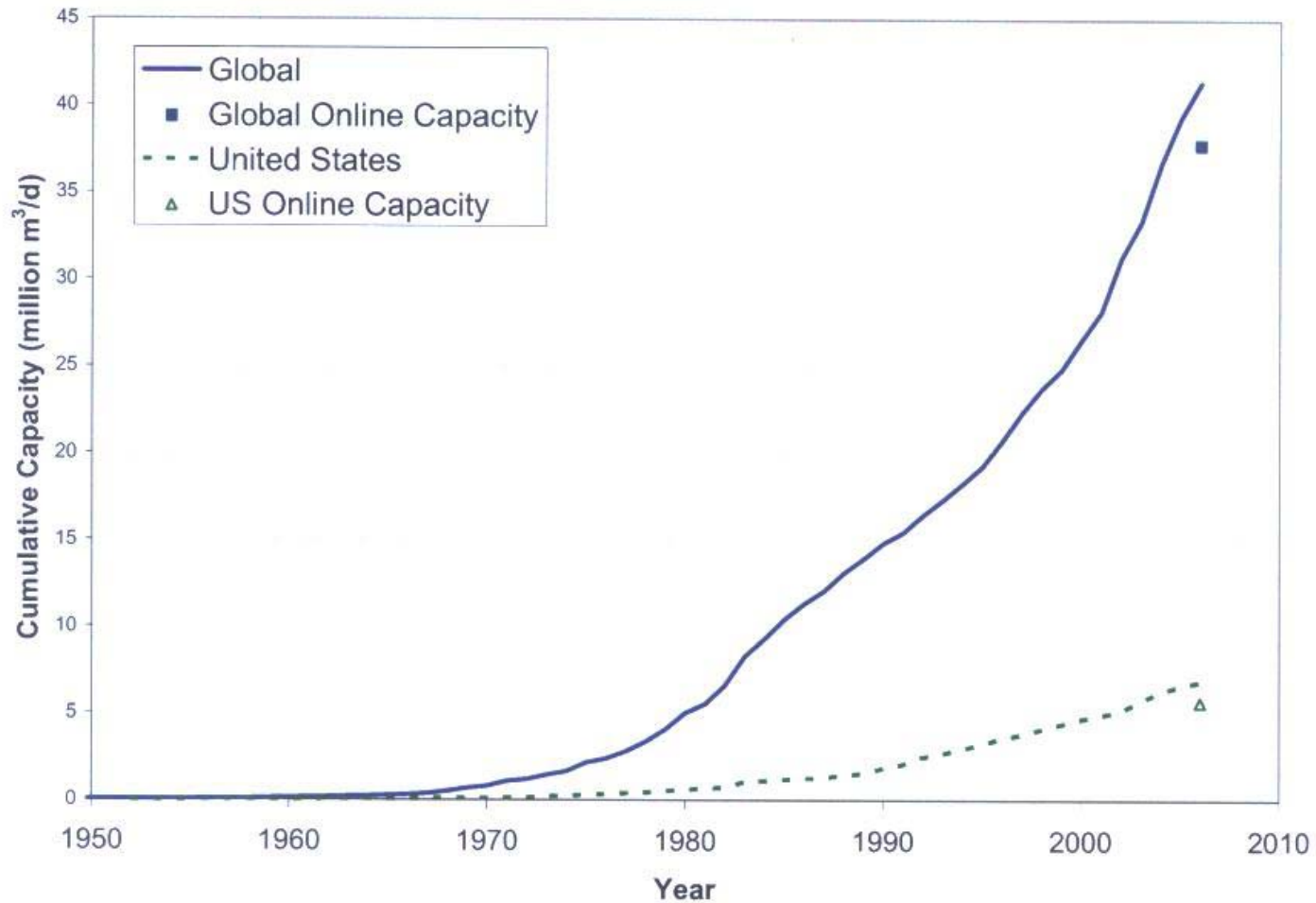
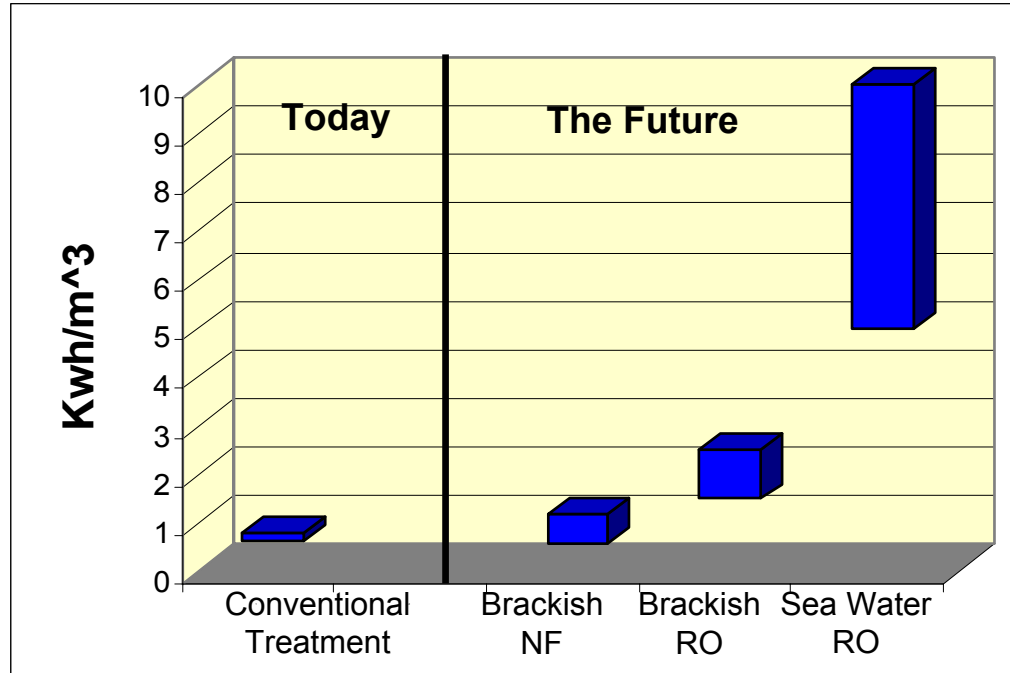
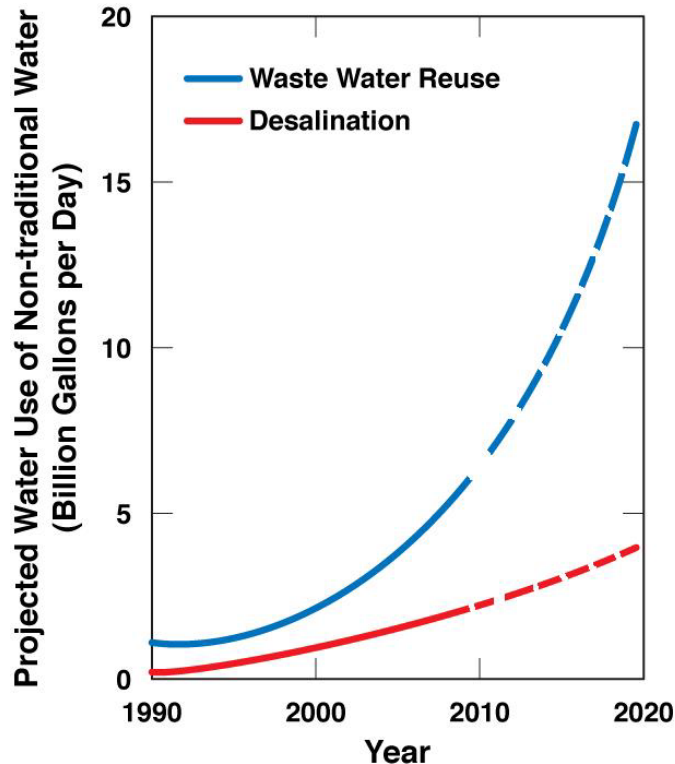


# Desalination Capacity Growth Trends



**(NAS, Desal Roadmap 2008)**

# Growing Use of Non-traditional Water Resources



**Power Requirements For Treatment**

(Einfeld 2007)

(Modified from Water Reuse 2007, EPA 2004, Mickley 2003)

- Desal growing at 10% per year, waste water reuse at 15% per year
- Reuse not accounted for in USGS assessments
- Non-traditional water use is energy intensive

# National Trends in Desalination and Impaired Water Treatment

## Increase in Number of Treatment Plants

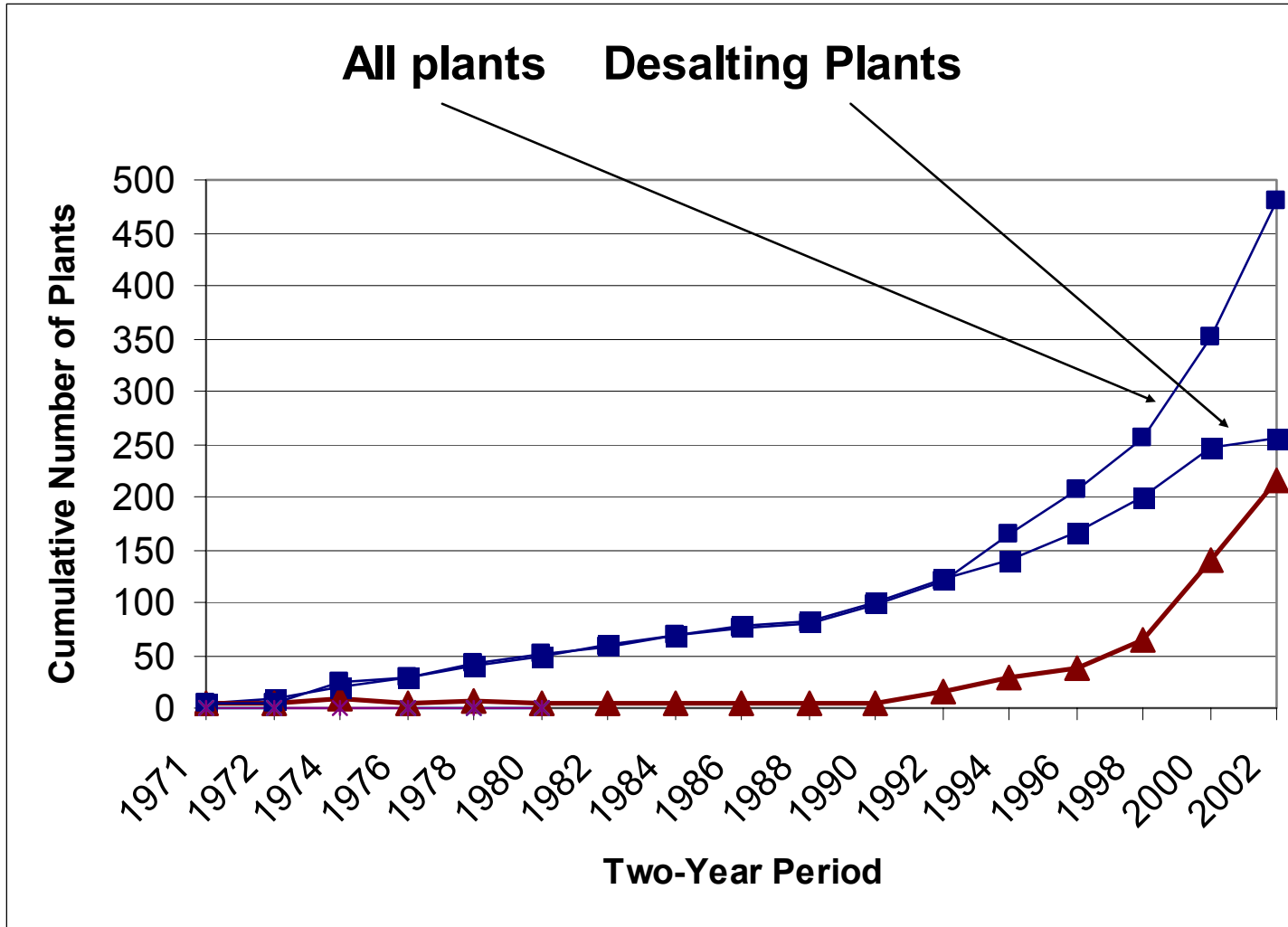
	<u>&lt;1993</u>	<u>&lt;2003</u>
Desalting	133	253
Low Pressure	1	218
– Micro Filtration	1	181
– Ultra Filtration	0	37
Total	134	461

## Distribution of Treatment Plants

	<u>&lt;1993</u>	<u>2001</u>
Number of States	13	37

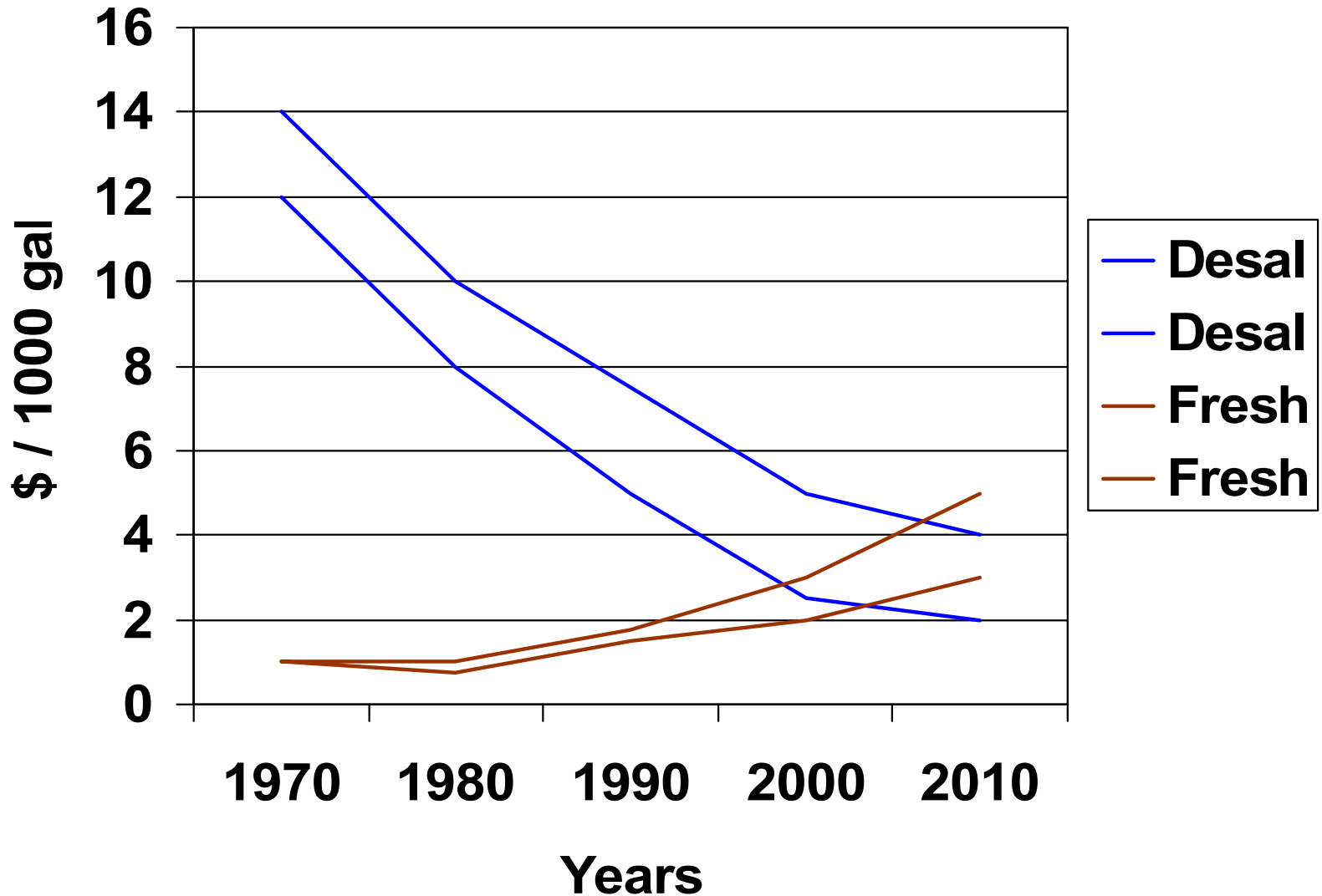
(Mickley, 2003)

# Growth in U.S. Membrane Treatment Plants

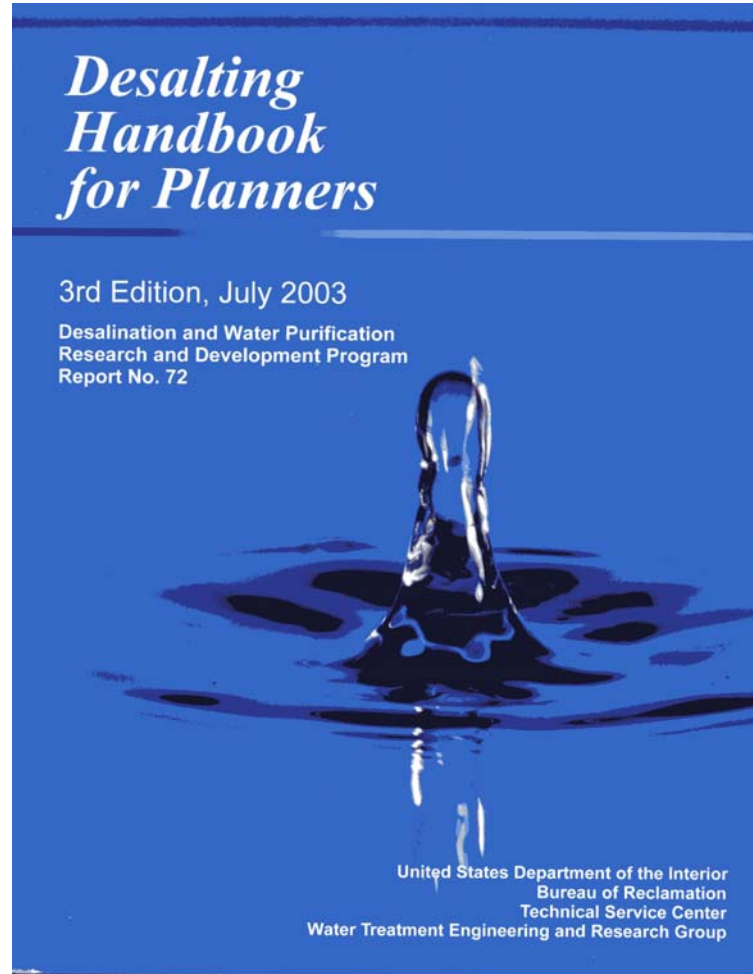


(Mickley, 2003)

# Trends in Desalination and Fresh Water Costs



# Desalination Planning Reference Guide



[www.usbr.gov/pmts/water\\_trtmt](http://www.usbr.gov/pmts/water_trtmt)