Investment in Large Plants Victoria State, Australia

Introduction: Desalting Plant

https://www.desalination.biz/news/3/AquaSures-Victorian-Desalination-Plant-secures-its-first-water-order/8563/

Victoria Desalting Plant, Australia



The Victorian Desalination Plant is located at the southerly most tip of Australia on the Bass Coast

Design Highlights

Victoria Desalination Plant...

- ... Mega Sea Water Reverse Osmosis Plant
- ... Capacity = 150 billion litres/year
- ... Built in 3 modules
- ... Capex = 3.5 billion A\$
- ... Completed in 2012
- ... 30 Year PPP contract with Private Investors
- ... Designed to guarantee supply to 2039

In Short: Massive Initial Investment to meet maximum forecast over 30 years

Think about Economics

- Initial investment in 2009 to 2012 First order 4 years after opening
- ... 2016 for 50B litres = $\frac{1}{3}$ capacity
- ... 2018 for 46B litres
- ... 2020 for 50B litres, maybe more

Should they have phased modules over time? So far, % of Capex not needed for a decade

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