

## Context

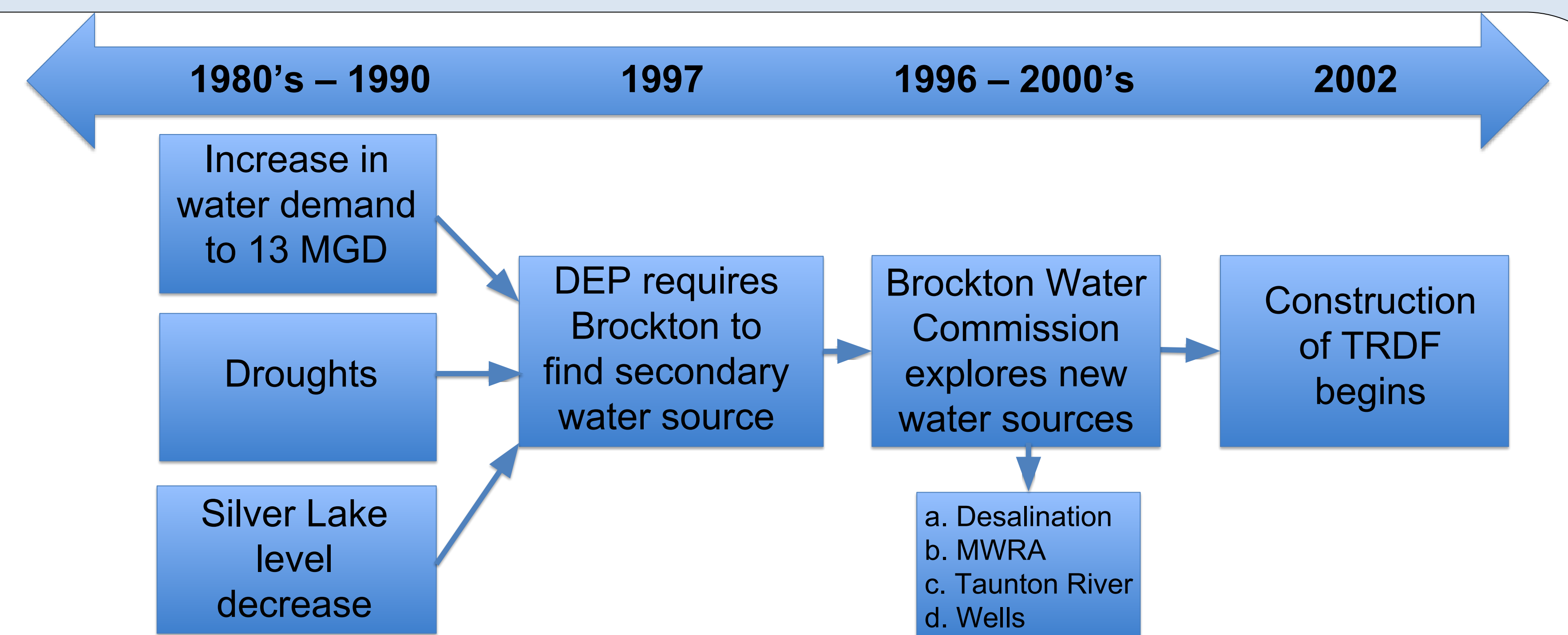
Fixed rate: \$6.5 million  
Variable rate: \$1.30/1,000 gallons  
20 year contract (2008 – 2028)



Brackish water

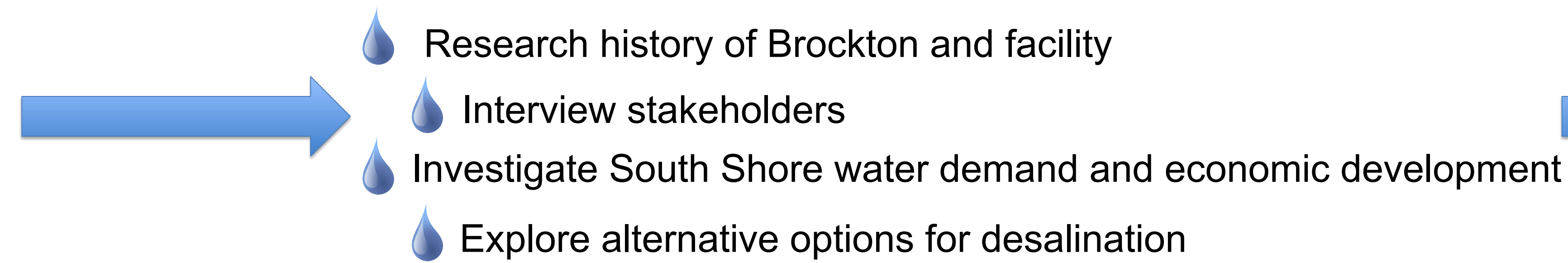
Only services Brockton

Max. Production: 3.4 MGD



## Goal

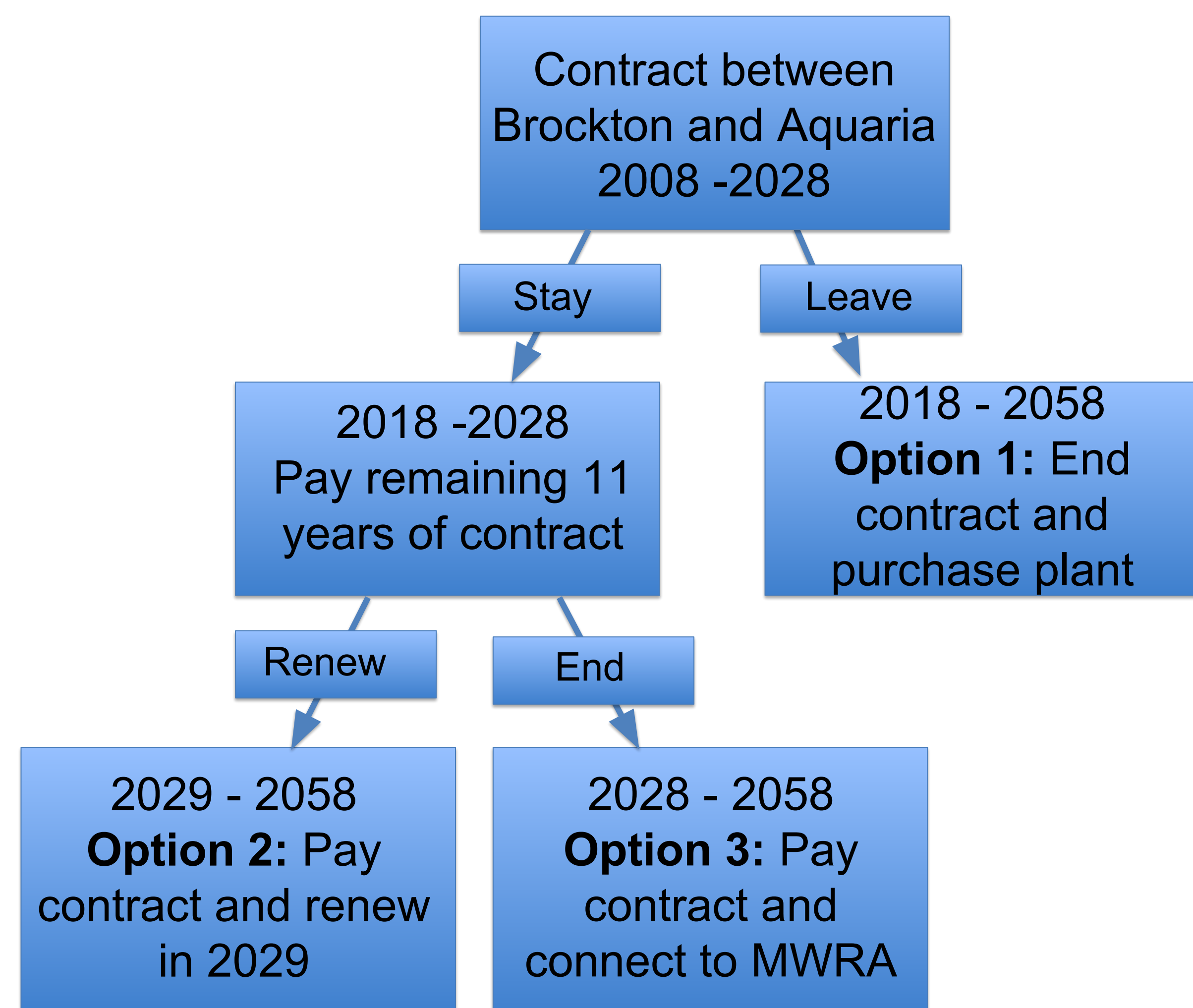
The task of this project is to develop a variety of opportunities for Brockton to leverage the Taunton River Desalination Facility.



Develop opportunities Brockton can further explore

## Findings

- City officials feel desalination is the best option for Brockton
  - "I believe it was the right choice for the City"
  - "There is no other option...desalination is the way to go"
  - "It is critical for the future of Brockton...not having the desalination facility hindered us from growing"
  - "I like the facility...I can call them any day and get any amount of water"
- The City is considering three options for the future of the plant:



## Opportunities & Actions

**PURCHASE FACILITY**  
\$176,951,422

Brockton purchases OR Third party purchases

Upgrade facility

Repurpose for industrial uses OR Secondary water source & sell water to other towns

**RENEW CONTRACT**  
\$196,091,085

Secondary water source & Sell water to other towns

**END CONTRACT**  
\$230,349,626

Connect to MWRA



**Brockton should further look into these opportunities and consider:**

Marketing the facility

Funding opportunities

Increase water collaboration in the region

### Acknowledgments

We want to thank our advisors to Professor deWinter and Professor Tuler for their advice and support throughout the project.

We want to especially thank Marcus Gay for the opportunity to work on this project.

### Works Cited

MSCC. "Towns on Metro South Shore." *Metro South Shore Chamber of Commerce*, MSCC, 2017, [www.metroouthchamber.com/relocation/towns/](http://www.metroouthchamber.com/relocation/towns/)

Google Maps. "Aquaria Desalination Plant." Google Maps, 2017, <https://www.google.com/maps/place/Aquaria+Water+LLC>