

Sole Source Agreement for Hydrogen Fueling Station

Operation, Maintenance, and Fuel Supply

Background

- On November 13, 2017, the Orange County Transportation Authority (OCTA) Board of Directors (Board) approved the award of the agreement with Trillium to install a hydrogen fueling station.
 - Grant funded by the California Air Resources Board and South Coast Air Quality Management.
 - Trillium partnered with Air Products* to provide the design, operation, maintenance, and hydrogen fuel supply.
- On January 1, 2020, the station was opened.
 - Three-year term, with two, one-year options
- On December 31, 2024, the final option term ended.

*Air Products and Chemicals, Inc.



Station Equipment



Vapor Storage Tanks



Rooftop Chiller



2X Cryogenic Hydrogen
Compressor Pumps -
Proprietary



2X Fuel Dispensers -
Proprietary



Liquid Storage Tanks and Vaporizers - **Leased**



Operating Software -
Proprietary

Actions to Maintain Operations

- Requested to purchase the leased equipment.
- Requested a quote to extend the contract with Trillium.
- Researched lead times for replacement equipment.
 - *Requires closing the fueling station for 18 to 24 months*
- Initiated a procurement for a mobile fueler.
- Requested a quote directly from Air Products.



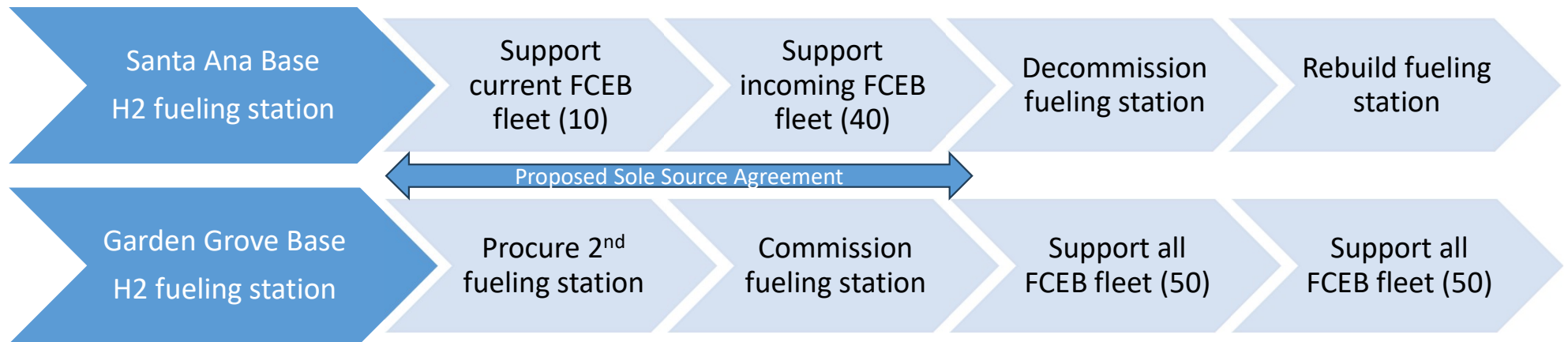
Liquid Storage Tanks and Vaporizers - **Leased**

Procurement Approach

- This procurement was handled in accordance with OCTA's Board-approved policies and procedures for a sole source procurement.
- Air Products' proposal was reviewed by the Contracts Administration and Materials Management (CAMM) and Maintenance departments.
- Price reviewed by OCTA's Internal Audit department.
- The quoted price is consistent with the OCTA project manager's independent cost estimate.
- Based on CAMM research and analysis, Air Products' quote is deemed fair and reasonable.

Agencies	Product Description	Air Product's Quoted Unit Price
OCTA	Hydrogen fuel	\$12.00/Kg
Regional Transportation Commission of Southern Nevada	Hydrogen fuel	\$18.50/Kg
National Aeronautics and Space Administration	Hydrogen fuel	\$22.00/Kg

Uninterrupted Fuel Supply



*H2 - Hydrogen

Recommendation

Based on the information provided, staff recommends the Board of Directors authorize the Chief Executive Officer to negotiate and execute Agreement No. C-5-3892 between the Orange County Transportation Authority and Air Products and Chemicals, Inc. in the amount of \$2,400,000, to continue the hydrogen fueling station operation, maintenance, and hydrogen fuel supply.

