

October 29, 2025

**City of Pompano Beach**  
**Department of Development Services**  
**Planning & Zoning Division**  
100 W. Atlantic Blvd.  
Pompano Beach, FL 33060

**RE: Costco Pompano Beach Relo-at The Pump**  
**SE corner S. Powerline Road and Race Track Road**  
**Gas Facility Stacking Narrative**

To whom it may concern,

The proposed fueling facility will include 16 pumps arranged in a 4-by-4 configuration, providing 32 fueling positions for concurrent service to Costco members. Studies of Costco fuel facilities nationwide indicate an average fueling service rate of approximately 3.5 minutes per vehicle, meaning each fueling position can accommodate about 17 vehicles per hour during peak periods. At this rate, a facility with 32 fueling positions can achieve a service capacity of roughly 548 vehicles per hour. Costco fuel facilities of similar sizes (32 fueling positions) generally serve between 400-450 vehicles during the weekday PM and Saturday peak hours.

In addition to the 32 vehicles actively fueling, the site design accommodates queuing for approximately 56 additional vehicles within the fueling area. This configuration allows the facility to serve and store up to 88 vehicles at one time without interfering with Costco's internal site circulation. Given the high service capacity and the additional on-site queue storage, the fueling facility is expected to operate efficiently and without negatively impacting circulation in other areas of the site or traffic operations on external, public roadways.

Should you have any questions or require any additional information, please do not hesitate to contact me at (954) 202-7000 or [mcigale@thomaseg.com](mailto:mcigale@thomaseg.com).

Sincerely,

Matthew J. Cigale, P.E.  
Senior Project Manager

**DRC**

PZ25- 12000023  
12/03/2025

CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

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