

**Appendix A:
Project Circulation and Trip Generation Memorandum**

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City of Costa Mesa

Inter Office Memorandum

TO: Minoo Ashabi, Principal Planner

FROM: Elizabeth Palacio, Engineering Technician III

DATE: July 8, 2020

SUBJECT: PA-20-11 AND PA-20-12 CIRCULATION AND TRIP GENERATION
2995 BRISTOL STREET

Per an internal meeting between Planning and Transportation Services on July 8, 2020, this memo affirms the position of Jennifer Rosales, Transportation Services Manager, in supporting the approval of the proposed project's conceptual site and circulation plans without a Traffic Impact Fee.

PROPOSED PROJECT

The proposed project would remove one gasoline fuel dispenser and replace it with two hydrogen fuel dispensers. The proposed project is located at the subject property, an existing Chevron gas station on the northwest corner of the intersection of Bristol Street and Baker Street.

Parking

To accommodate hydrogen equipment, four existing parking stalls would be removed at the southwestern corner of the site. Two new parking spaces would be provided on site, for a total of six parking stalls. The proposed project design complies with a six-parking-stall minimum condition of approval established by Planning Application 97-24 (the addition of a convenience store).

Circulation

As proposed and conditioned, adequate circulation would remain onsite. No new access points to the site are proposed during construction, nor during operations. Jennifer Rosales, Transportation Services Manager, has reviewed and approved the conceptual site plan, including circulation.

Trip generation

The average daily trips for hydrogen dispensers is significantly lower than trip generation for gasoline dispensers. It is estimated that one gasoline refueling dispenser with two vehicle positions generates 411 daily two-way trips. A hydrogen dispenser with four fueling positions is estimated to generate only 332 daily two-way trips. Implementation of the proposed project would result in a reduction of trips from the existing condition. As such, a Traffic Impact Fee is not conditioned for this project.