

**Mobile Source Air Pollution Reduction Review Committee  
County Transportation Commission Partnership Program  
Project Fact Sheets**

**OC Flex Pilot Program**



**Description**

Micro-transit is an on-demand and shared-ride service that can extend the reach of the fixed-route system by providing connections to areas that may not be served by regular transit. As part of OC Bus 360°, the Orange County Transportation Authority (OCTA) developed a one-year pilot program, known as OC Flex, to provide micro-transit to deliver services to low-demand and/or new markets through shared-ride, curb-to-curb/hub-to-hub service in two zones; one in the City of Huntington Beach, and one in the cities of Aliso Viejo, Laguna Niguel, and Mission Viejo. Additionally, service will utilize on-demand dispatching software for reservations, scheduling, and fare payment.

**Program Budget**

OC Flex Fare Revenue: \$135,000  
Mobile Source Air Pollution Reduction Review Committee (MSRC)  
Clean Transportation Funding: \$1,146,000  
Total Project Cost: \$1,281,000

**Project Benefits**

- Reducing vehicle miles traveled in the region
- Providing service for low-demand areas
- Providing connections to the OC Bus and Metrolink services

**Estimated Schedule**

Begin Service	Summer 2018
End Service	Summer 2019

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**Hydrogen Detection Project**



**Description**

As part of the purchase and use of the hydrogen fuel cell electric buses, OCTA will install a hydrogen detection system in several buildings where preventive maintenance, body work, washing, and heavy-duty repair services are performed, including the hydrogen station compound and fuel island.

The detection system includes: H<sub>2</sub> gas detectors, H<sub>2</sub> flame detectors, control panels, electrical conduit and wiring, building interior and exterior annunciation (H<sub>2</sub> gas detection warning lights and horns), fire alarm interfacing, system programming commissioning, and testing. The detectors will be wired into OCTA's alarm and fire control panels.

**Program Budget**

California Air Resources Board  
Air Quality Improvement Program Funding: \$175,819  
MSRC Clean Transportation Funding: \$642,196  
Total Project Cost: \$818,015

**Project Benefits**

The hydrogen detection system is required by the Fire Code in building areas occupied by a hydrogen bus. The hydrogen detectors will be used as a safety precaution to detect the presence of hydrogen.

**Estimated Schedule**

Begin Design	1/31/2018
End Design	2/23/2018
Begin Construction (Contract Award)	9/7/2018
End Construction (Construction Contract Acceptance)	1/14/2019

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**College Pass Program**



**Description**

The College Pass Program provides free rides to students during a special start up period as an incentive to promote the College Pass Program. After the start up period, a student fee must be passed by the majority of the students via an election to continue the program for an additional period of time. An analysis of the current ridership/revenue forecast estimates the individual fee would be approximately \$4 per full-time student and \$3 per part-time student. The final fee will be based on the specific college, student participation, and ridership.

**Program Budget**

MSRC Clean Transportation Funding: \$212,000

**Project Benefits**

- Reducing vehicle miles traveled in the region
- Promoting transit ridership to college students

**Estimated Schedule**

Begin Service	To Be Determined
End Service	To Be Determined