

**WSPA Comments on Proposed CFO
Amendments - January 25, 2012
Attachment D**

Hydrogen Fueling in California

No.	Service Station?	Name	Address	City	Type of Access (US DOE)	SCAQMD Status	CFCP Status	CFCP Information	CEC Infrastructure Award
1	No	Humboldt State	Rossow St & 16th St	Arcata	Private access only		Private/Fleet	This station uses a proton exchange membrane electrolyzer to generate hydrogen from water.	
2	No	GM Burbank	1005 W. Riverside Drive	Burbank		Existing		This hydrogen station is one of the former stations of South Coast Air Quality Management District's 'Five Cities Project' and provides hydrogen for both OEM fuel cell vehicles and hydrogen powered internal combustion engine vehicles. Alternate address: 124 S Lake Street	
3	No	Burbank	151 W Verdugo Ave	Burbank	Private access only		Private/Fleet		
4	No	City of Burbank	124 S Lake Ave	Burbank		Existing			
5	No	HATCI Chino	12610 E End Ave	Chino	Private access only	Existing	Private/Fleet	Currently, the hydrogen is supplied to this station using a compressed hydrogen tube trailer. Previously, this small-scale demonstration station produced hydrogen on-site through autothermal reformation for fueling hydrogen fuel cell vehicles (http://www.chevron.com/technologyventures/commercialize_tech/hydrogen.asp).	
6	Yes	Shell Culver City	3801 Sepulveda Ave	Culver City	Private access only	Existing			
7	No	SCAQMD - Diamond Bar	21865 Copley Drive	Diamond Bar	Public - call ahead	Existing - Upgrade	Private/Fleet	This station is publicly accessible and is the first hydrogen station in California to utilize a fueling island design. Open Tuesday - Friday.	\$1,491,386
8	No	SCAQMD - Diamond Bar	21865 Copley Drive	Diamond Bar			Announced		
9	No	Emeryville - AC Transit	1177 47th St	Emeryville			In Development	This station will use a solar-powered electrolyzer to generate hydrogen.	
10	No	Orange County Sanitation District	10844 Ellis Avenue	Fountain Valley	Public - call ahead	Previously awarded	Open		
11	?	Mobil Oil - Mebtahi	25826 S Western Ave	Harbor City		Previously awarded	In Development		
12	No	Hawthorne	5230 Rosecrans Ave	Hawthorne		Planned	Announced		\$1,198,758
13	Yes	Hermosa Beach	1131 Pacific Coast Hwy,	Hermosa Beach		Planned	Announced		\$1,512,506
14	No	UC - Irvine	19172 Jamboree Rd	Irvine	Private access only	Existing - Upgrade	Open		\$1,470,308
15	No	UC - Irvine (new/replacement)	19172 Jamboree Rd	Irvine	Private access only	Existing - Upgrade	Announced		
16	Yes	Irvine North	4162 Trabuco Rd,	Irvine		Planned	Announced		\$1,423,965
17	Yes	Laguna Niguel Station	30081 Crown Valley Parkway	Laguna Niguel		Planned	In Development		\$2,049,134
18	Yes	Beverly Hills	1004 S La Cienega Blvd,	Los Angeles		Planned	Announced		\$1,302,275
19	No	LAX-east Clean Energy	10400 Aviation Blvd	Los Angeles	Private access only	Existing	Private/Fleet		
20	Yes	Shell Santa Monica Blvd	11574 Santa Monica Blvd	Los Angeles	Public - call ahead	Existing	Open	First open access retail like station in California	
21	No	UCLA	1100 Veteran Ave	Los Angeles		Previously awarded	In Development		
22	No	CSULA	5151 State University Drive	Los Angeles		Previously awarded	In Development	Website: http://www.calstatela.edu/faculty/vseaman/Hydrogen_Station.php	
23	Yes	West LA	11261 Santa Monica Blvd,	Los Angeles		Planned	Announced		\$1,297,902
24	Yes	Shell Oil	1600 Jamboree Road	Newport Beach		Previously awarded	In Development		
25	No	Oakland - AC Transit	1100 Seminary Ave	Oakland	Private - fleet customers only		Private/Fleet	A hydrogen fueling station that previously used natural gas to produce hydrogen on-site for fuel cell transit buses in revenue service at AC TransitAlameda-Contra Costa Transit. Currently hydrogen is supplied using an Air Products delivered hydrogen solution.	
26	No	Camp Pendleton	Carmelo Dr & Harbor Dr	Oceanside	Private access only	Existing	Private/Fleet	Currently using delivered tube trailer hydrogen until SMR unit is fully operational.	

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27	No	Ontario	1425 Bon View Ave	Ontario	Private access only	Existing	Private/Fleet	This hydrogen station is one of the stations of South Coast Air Quality Management District's 'Five Cities Program' and provides hydrogen for both fuel cell vehicles and hydrogen powered internal combustion engine vehicles.	
28	No	BMW of CA	5650 Arcturus Ave	Oxnard	Private access only				
29	No	Placerville	100 Forni Road	Placerville	Private Access Only				
30	No	Richmond-Berkeley	1301 South 46th St	Richmond			Private/Fleet	This hydrogen fueling facility at the Richmond Field Station in Richmond California was built by the University of California Berkeley and Toyota to support testing of fuel cell research vehicles and became operational in April 2011. The station dispenses hydrogen at up to 700 bar (10,000 psi) with pre-cooling for faster fill times. Hydrogen is delivered and stored in a tube trailer prior to being compressed and dispensed. The station stores about 375 kilograms in total and can dispense up to 24 kilograms of hydrogen per day. Website: http://its.berkeley.edu/btl/2011/winter/hydrogen This hydrogen station is one of the stations of South Coast Air Quality Management District's 'Five Cities Project' and provides hydrogen for both fuel cell vehicles and hydrogen powered internal combustion engine vehicles.	
31	No	Riverside	8095 Lincoln Ave	Riverside	Private access only	Existing	Open		
32	No	San Francisco - SFO	South Mc Donnell Rd/E Millbrae	San Francisco			In Development		
33	No	Santa Ana	220 S Daisy Street	Santa Ana	Private access only	Existing	Private/Fleet	This HF-150 mobile fueler is one of the stations of South Coast Air Quality Management District's 'Five Cities Project' and provides hydrogen for both fuel cell vehicles and hydrogen powered internal combustion engine vehicles. Santa Ana City Yard This hydrogen station is one of the stations of South Coast Air Quality Management District's 'Five Cities Project' and provides hydrogen for both fuel cell vehicles and hydrogen powered internal combustion engine vehicles.	
34	No	Santa Monica - SCAQMD	2500 Michigan Avenue	Santa Monica	Private access only	Existing	Private/Fleet		
35	Yes	Santa Monica SunLine (SunLine Transit Agency)	1402 Santa Monica Blvd,	Santa Monica		Planned	Announced		\$1,534,633
36	No	Toyota	32505 Harry Oliver Trail	Thousand Palms	Public - call ahead	Existing	Open	Hydrogen available by appointment	
37	No	Toyota	19001 S Western Avenue	Torrance	Private access only	Existing	Private/Fleet		
38	Yes	Torrance Shell	2051 W 190th St	Torrance	Public - call ahead	Previously Awarded	Open	Please visit the Shell Hydrogen website if you have any questions. http://www.shell.com/hydrogen or call 1-310-818-0515 Designed to power a home, provide hot water and generate hydrogen fuel for refueling FCVs. American Honda uses this fueling station to fuel their internal four car FCX fleet (separate from FCXs deployed to customers) for PR, event support, public outreach and other internal purposes. These vehicles also refuel at Honda's own Solar Hydrogen Refueling Station. Both stations are located at Honda R&D America. FCXs deployed via customer lease use other stations unique to their location. Website: http://corporate.honda.com Solar renewable energy hydrogen station creates hydrogen from sunlight and water with a user-friendly design. The CaFCPCalifornia Fuel Cell Partnership Headquarters Hydrogen Fueling Station is where our car company members test, maintain, and demonstrate the latest in fuel cell vehicle technology , refueling their cars at the CaFCP Headquarters Hydrogen Fueling Station.	
39	No	Honda (Home Energy)	1900 Harpers Way	Torrance	Private access only	Existing	Private/Fleet		
40	No	Honda (Solar H2)	1900 Harpers Way	Torrance	Private access only	Existing	Private/Fleet		
41	No	CAFCP - West Sacramento	3300 Industrial Boulevard	West Sacramento	Private - fleet customers only		Private/Fleet		
42	No	West Sacramento (new/replacement)	2816 West Capitol Ave	West Sacramento			In Development		