

Charles Smith  
Emerging Fuels & Technologies Office  
Fuels & Transportation Division  
California Energy Commission  
1516 Ninth Street  
Sacramento, CA 95814



03-14-2013

Subject: Docket# 12-ALT-02 – Funding H<sub>2</sub> Fueling Stations for Class 8 FCEVs

Dear Mr. Smith,

Vision Industries is requesting that the California Energy Commission expand the scope of its AB 118 funding to include hydrogen fueling stations designed to service Class 8 heavy-duty fuel cell electric vehicles (FCEV) used in drayage transportation.

This station, when built, will initially support 105 FCEVs consuming 15 kg/fill (or 1,575 kg/day). A fueling facility of this magnitude is expected to cost around \$6 million.

Vision Industries, has already garnered support from the Port of Long Beach to lease a parcel of land near the entrance of the twin Ports of Los Angeles and Long Beach. The cross streets are Henry Ford Ave and S. Alameda. Conveniently situated near this site, is a hydrogen plant and pipeline owned and operated by Air Products & Chemicals.

Attached is an overview of the station, it' foreseeable customer demand and situational dynamics that make this facility imperative, profitable and a must-do for zero-emission transportation.

Thank you for your consideration.

Best regards,

**Jerome Torresyap**  
President, Vision Industries Corporation (OTCBB: VIIC)

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Hydrogen Fueling Station: Port of Long Beach | Los Angeles



**H<sub>2</sub> Fueling Summary**  
**Southern California**  
March 12, 2013

# Hydrogen Fueling Station: Port of Long Beach | Los Angeles

**Station Owner:** Vision Industries Corp (OTCBB: VIIC)

**Location:** Site is a 3-acre lot between Henry Ford Ave and S. Alameda Street, in Wilmington California.

**Land Owner:** Port of Long Beach

**Lease Agreement:** Vision is in negotiations with the Port of Long Beach to secure a 10-year lease with similar terms granted to Clean Energy Fuels Corporation (NASDAQ: CLNE) – a 5 years lease holiday (\$1/year) and reverting to market rate on the 6<sup>th</sup> year.

**Public Access:** Yes

**Fill Pressure:** 6,250 psi(g) | 5,000 psi (g) | 10,000 psi (g)

**Hydrogen Source:** Vision in partnership with Air Products (NYSE: APD), to tap into their preexisting H<sub>2</sub> pipeline next door at 700 N. Henry Ford Ave, Wilmington CA 90744.

**Target Market:** Drayage fleet operators moving containerized cargo from Port to rail yard. In May 2012, Total Transportation Services, Inc. presented Vision Industries with a purchase order for 100 Class 8 Tyrano trucks with an option to purchase an addition 300 vehicles.

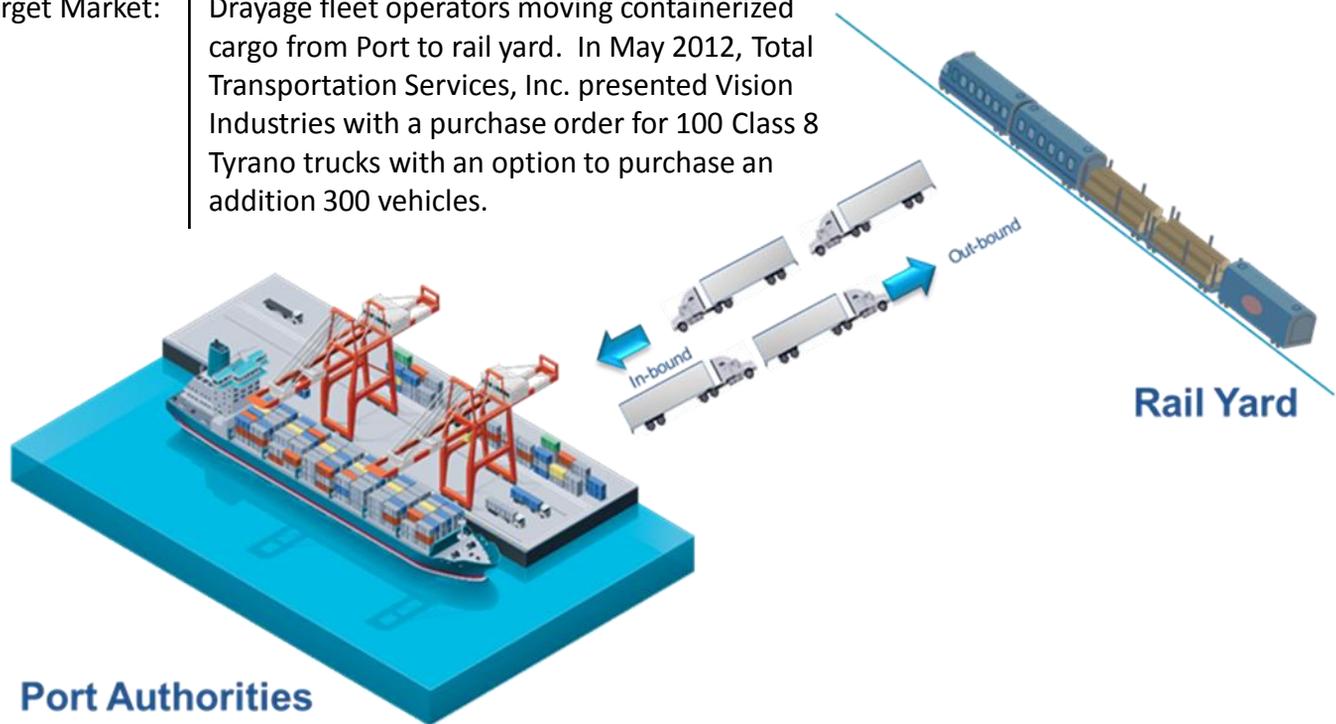


**Site Prep: Q4 – 2014**



**Opening: Q2 – 2015**

Number of Trucks Fueled/Day	
Lanes:	6
Fill time (minutes)	10
Trucks Fueled/Hour	36
Hours of Operation	24
Total Trucks Served/Day	864



Hydrogen Fueling Station: Port of Long Beach | Los Angeles

**Projected Cost**

Equipment	# units	unit price	Total Price
meter station 2"	1	\$280,000.00	\$280,000
purifier	1	\$1,000,000.00	\$1,000,000
compression w/ cooling	2	\$350,000.00	\$700,000
storage	2	\$350,000.00	\$700,000
dispensing	3	\$112,000.00	\$336,000
canopy	1,800	\$42.00	\$75,600
480 V 3 ph power supply	500	\$240.00	\$120,000
power transformation equip	1	\$120,000.00	\$120,000
power distribution equip	1	\$90,000.00	\$90,000
bldg	900	\$120.00	\$108,000

<b>Equipment Total</b>	<b>\$3,529,600</b>		
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Engineering   Permitting	# units	unit price	Total Price
Engineering/Permitting	1	\$287,500.00	\$287,500
<b>Engineering/Permitting Total</b>	<b>\$287,500</b>		

Site Prep (3 Acres)	# units	unit price	Total Price
<b>Site Work Total</b>	<b>\$1,598,453</b>		

Personnel	# units	unit price	Total Price
Equipment Installation	1	\$500,000.00	\$500,000
Construction Overheads			\$179,145
Contingency			\$179,145
<b>Personnel Total</b>	<b>\$858,291</b>		

<b>Grand Total</b>	<b>\$6,273,843</b>		
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**Projected Demand**

	2014	2015	2016	2017
<b>Port of LA   LB Fueling Station</b>				
Hydrogen Fuel Cell Trucks in Service	64	184	304	424
H2 fueling amount dispensed (kg)	7712	429,933	2,761,577	6,433,063