

RenewableH2.org

	Founding Members 3Degrees	To: Senate Committee on Energy and Environment and Chair Senator Beyer		
	Aciem Consulting	RE: Renewable Hydrogen Alliance response to Chair Senator Beyer's question regarding		
	Andioma	the high cost of fuel cell electric trucks		
	Barlow Strategies	Thank you for your question about the high cost of fuel cell electric trucks at last week		
	Bonneville Environmental Foundation	Public Hearing of SB 333.		
	Center for Energy Efficiency and Renewable Technologies	The Renewable Hydrogen Alliance represents more than 75 members. Among them are multiple heavy-duty fuel cell electric vehicle manufacturers that would like to share their		
	Columbia HyFuel	perspectives.		
	Douglas County PUD	Presently heavy-duty (HD) fuel cell electric vehicles (FCEVs) have a higher purchase price than		
	Eugene Water & Electric Board	HD internal combustion engine (ICE) vehicles or even HD battery electric vehicles (BEVs). At the moment, no Class 8 FCEV platforms are commercially available. But like with other		
	Flink Energy Consulting	nascent clean transportation technologies, we and the industry as a whole expect the		
	Forth Mobility	purchase price of these vehicles to decrease as their production increases. It is for this reason		
	Hydrogenics	that states such as Oregon must assist with deploying as many units as possible to facilit this needed increase in production.		
	HydroStar USA			
	ITM Power	Currently, the cost for a diesel Class 8 truck is around \$150 k - \$170 k, while a Class 8 BE costs between \$350 k - \$450 k, and a HD FCEV is estimated at around \$500 k.		
	Klickitat PUD			
	NW Green Hydrogen			
	NW Innovation Works	he estimated pricing for a Class 8 FCEV (\$500 k) is based on a production of a couple of validation for a couple of the second s		
	NW Natural	cost of a Class 8 FCEV will be around \$350 k. The same issue plaques battery-electric vehicle		
	Obsidian Renewables	and HD trucks, yet the technology is some years ahead of FCEV in commercial deploymen		
	PERA	and development here in the US.		
	Puget Sound Energy			
	Red Rocket Creative Design	There are efforts aboot in other states to address the high cost of cleaner vehicles such as HD FCEVs and HD BEVs. For instance, New York has developed an HD truck voucher incentive		
	Renewable Hydrogen Canada	program, providing funding specifically for BEV and FCEV trucks, with incentives of up to \$185 k per truck. California on the other hand has its Hybrid and Zero-Emission Truck and		
	Renewable Northwest	Bus Voucher Incentive Program (HVIP), and some RHA members are working on incentive		
	Tacoma Public Utilities	mechanisms at the federal level. We need Oregon to join in these efforts through the		
	The Warren Group	implementation of its own incentive tools.		
	Toyota Motor North America	In the past months, the HD FCEV industry has shown that it is committed to moving from expensive demonstration projects towards a more affordable commercialization phase in the		
TriMet		near future. A summary of recent headlines and articles reflects this change:		
	Vashon Climate Action Group			
	Warner Hydrogen			

RHA Mission:

Promote using renewable electricity to produce climateneutral hydrogen and other energyintensive products that reduce dependence on fossil fuels. #

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Date

Oct 7, 2020

Oct 26, 2020

Nov 2, 2020

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SII	4	Nov 6, 2020	Energy Department Looks to Boost Hydrogen Fuel for Big Trucks	Scientific American
	5	Dec 10, 2020	Toyota Unveils Second Generation Hydrogen Fuel Cell Truck	Trucks.com
	6	Jan 22, 2021	'Not a competition:' Paccar's electric and fuel cell trucks prove impressive in Rockies	ССЈ
rs ric	7	Jan 27, 2021	Navistar to collaborate with GM, others on hydrogen fuel-cell commercial trucks	Reuters
ean	8	Feb 5, 2021	European hydrogen consortium to develop standard for heavy fuel cell trucks	ElectricDrive.com
ergy	9	Feb 11, 2021	Chart and Ballard join forces on hydrogen-powered heavy-duty vehicle developments	Gasworld
able	10	Feb 11, 2021	Hydrogen truck company Hyzon Motors signs \$A3.5bn deal for fund raising vehicle	The Driven

Headline with Hyperlink

US Market

fuel cell rig

up

Hyundai Readies Fuel Cell Truck for

Why the next truck you see may be

Daimler and Volvo seal fuel cell tie-

a quiet, zero-emission hydrogen

Source

Transit Topic

USA Today

Freight Waves

We appreciate your time in reviewing our materials for SB 333 and look forward to answering additional questions and comments from you and the committee.

Sincerely,

Matina Skinler

Martina Steinkusz Interim Executive Director Renewable Hydrogen Alliance