



Connecticut Department of Energy and Environmental Protection



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**



H2Fuels Grant

Hydrogen Refueling Infrastructure Development Program

Administered Through



Louis Corsino, APCE III
Bureau of Air Management



Connecticut Department of Energy and Environmental Protection



What is the H2Fuels Grant?

DEEP and CCAT are seeking vendors to establish, operate and maintain two hydrogen fueling stations in or near Hartford, CT

Up to....

\$450,000

will be awarded



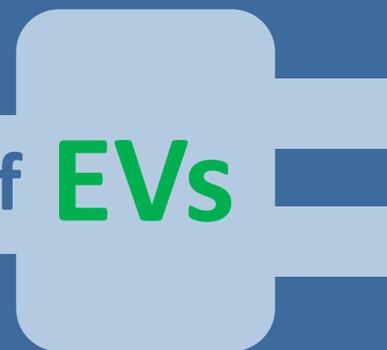
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Why provide an H2Fuels Grant?

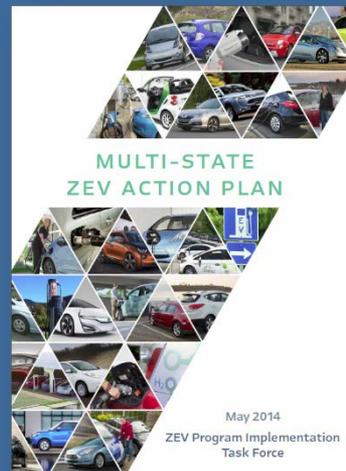
CT's Cheaper, Cleaner & More Reliable Energy Future...

...depends on expanding the use of **EVs**



Why provide an H2Fuels Grant?

Multi-State ZEV Memorandum of Understanding



**Hydrogen
Vehicle and
Infrastructure
Development**

A yellow hydrogen fuel pump nozzle is positioned to the left of the text. The text is in a large, bold, white font with a slight shadow effect.



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Why Hydrogen?

- Zero tailpipe emissions
- Reduced GHGs compared to gas vehicles*
 - 50% for H₂ generated by natural gas
 - 90% for H₂ generated by wind/solar
- Conventional range and refueling times
- As safe and easy to fuel as gasoline
- Viable for CT's larger vehicles
- Can be locally generated with renewable pathways



* USDOE Fuel Cell Technology Office, *Fuel Cells for the Future*, July 17, 2015

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H2Fuels Grant – Funding Info

- Funding of up to **\$450,000** will be awarded
- **Acceptable uses of the funding include:**
 - Purchase of the H₂ production and/or dispensing equipment
 - Site preparation costs
 - Engineering costs
 - Construction costs
- **Funds can not be used for:**
 - Travel, debt, loan repayments, lobbying
 - Reimbursement of costs prior to agreement
 - Proposal preparation costs
 - Operating costs

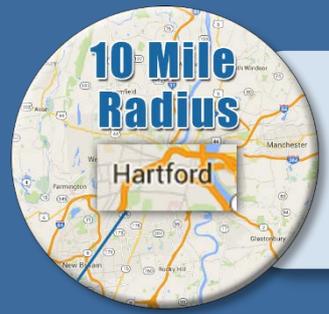


Review the *H2Fuels Grant - Procedures and Guidelines Document* for specific program requirements. Document is available at www.evconnecticut.com





H2Fuels Grant - Station Requirements



New publicly accessible stations located within 10 miles of the city of Hartford



Compliance with SAE Standards for: Station Dispensing, Station to Car Communication, Nozzles, Fuel Quality



200 kg avg. daily capacity with the ability to handle back to back refills, minimum 6 am - 6 pm



Review the *H2Fuels Grant - Procedures and Guidelines Document* for specific station requirements. Document is available at www.evconnecticut.com



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H2Fuels Grant Schedule - 2015



Where to Find More Information?

www.EVConnecticut.com



EVConnecticut is a partnership between the Connecticut Department of Energy and Environmental Protection and the Connecticut Department of Transportation working to introduce more electric vehicles into Connecticut. Connecticut's cheaper, cleaner and more reliable energy future depends on electric vehicles putting us on a path toward greater energy independence.

Incentives

EVConnecticut recently announced a hydrogen and electric vehicle purchase rebate and also offers EV charging station incentives to municipal and state agencies and private businesses. In addition there are multiple federal and state programs that offer additional incentives.

- Connecticut Hydrogen and Electric Automobile Purchase Rebate (CHEAPR)
- Hydrogen Fueling Stations (H2Fuels) Grant**
- EV Charging Station Incentive Programs
- DOT Clean Fuel Program
- Other Funding and Tax Incentives

[more about incentives>>](#)

Maps

Connecticut is Range Confident!

Connecticut has over 300 public charging stations and EV charging stations.

- CT EV Charging Stations
- USDOE Alternative Fueling Stations

[more maps>>](#)



HYDROGEN FUELING STATIONS GRANT

EVConnecticut's Hydrogen Fueling Stations (H2Fuels) Grant is being administered through the Connecticut Center for Advanced Technology, Inc. (CCAT). CCAT will award up to \$450,000 to develop and operate two publicly available hydrogen fueling stations in the greater Hartford area.

Supporting the development of economically viable redundant hydrogen fueling infrastructure is critical to the market penetration of fuel-cell electric vehicles (FCEVs) throughout Connecticut.

Program materials will be made available below and any prospective applicant should carefully review the details of the program.

Note: Due to the competitive nature of this grant program the communication protocol specified in the procedures and guidance document must be followed.



Program Documents



- Procedures and Guidance Document (pdf)
- Public Notice - H2Fuels Grant Solicitation (pdf)
- H2Fuels Grant - Stakeholder Questions and Responses (pdf)

NOTICE: All communications regarding this grant program must be made in writing and will be publicly posted.

Please direct any comments to:

Attn: Paul Farrell, DEEP
79 Elm Street
Hartford, CT 06106
paul.farrell@ct.gov

Schedule

- July 21, 2015
Solicitation Opens
- July 28, 2015
Written Questions Due
- July 31, 2015
Response to Written Questions Posted
- September 15, 2015
Proposals Due
- September 16, 2015
Commencement of Proposal Evaluation Process
- TBD
Contract Negotiations



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Questions?



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