



## **U.S. Country Update**

**27<sup>th</sup> IPHE Steering Committee (SC) Meeting**

April 27- Hamburg, Germany

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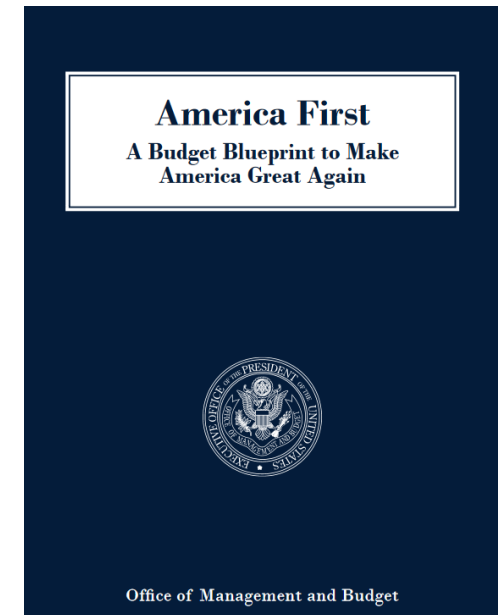
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**Fuel Cell Technologies Office  
U.S. Department of Energy**



## Policy and Budget

- **Donald Trump sworn in as President on 1/20**
- Former Governor of Texas **Rick Perry sworn in as the Energy Secretary on 3/2**
- White House **budget proposal released**
  - Emphasis on “**early-stage applied energy research and development activities where the Federal role is stronger**”
- Direction towards **energy reliability and security**
  - U.S. committed to universal access to affordable and reliable energy in order to promote economic growth and energy security



WH Budget Blueprint  
released on March 16



# Market

- **ZH<sub>2</sub> fuel cell truck unveiled**
  - GM and U.S. Army collaboration to identify viability of hydrogen fuel cell vehicles in military applications
  
- **Over 1,600 fuel cell cars leased/purchased**
  
- **Honda started leases on Clarity**
  - 3 fuel cell car models available to U.S. consumers
  
- **Over 25 retail H<sub>2</sub> stations in CA,**  
funding for 100



Colorado ZH<sub>2</sub> developed through GM and U.S. Army collaboration



Honda Clarity- Released in Jan.



Toyota Mirai




Hyundai Tucson




# Strategic Direction


- Early R&D innovation and accelerate Tech to Market**
  - Key Focus: H<sub>2</sub>@Scale, technology advancement
  - Safety, fuel cells & hydrogen R&D, and enable infrastructure
- Strengthen supply chain-infrastructure components**
- Leverage activities to maximize impact**
  - U.S. and global partnerships, H<sub>2</sub>USA, States
  - Strengthen collaboration on safety and information sharing

## Innovation in Infrastructure- Recent Examples






**Winner  
announced:**



Electrolysis	Up to 10 kg of H <sub>2</sub> per day	700 bar refueling
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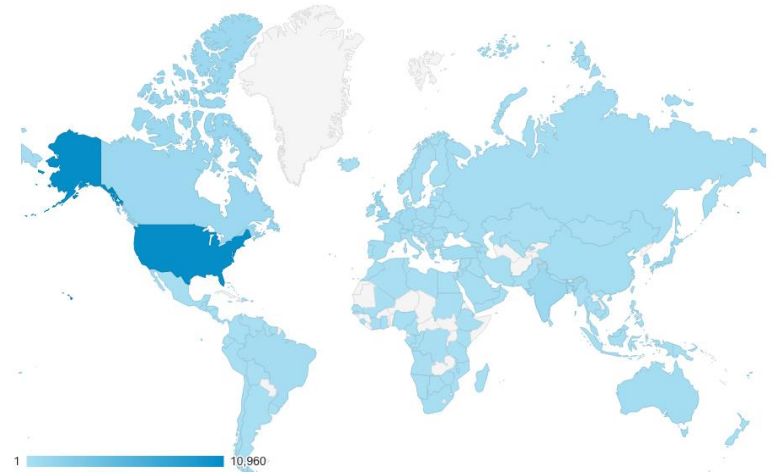
**H<sub>2</sub> Station in Washington D.C. up and running**  
to validate early R&D advances





# Collaboration and Resources Available

- IPHE International Safety and Reliability Data Sharing Initiative
- H2Tools.org
- National Hydrogen and Fuel Cells Emergency Response Training Resource



H<sub>2</sub>Tools site visit tracking shows global reach

## Save the Dates!

**2017 AMR**  
June 5-9  
Washington, DC

National **Hydrogen & Fuel Cell Day** | 10·08  
Participate in social media using  
**#HydrogenNow #FuelCellsNow**

**Summer 2018:**  
**AMR and Industry Expo**  
Washington, DC



# Thank You

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