

Oklahoma Hydrogen Legislation Summary

58th Legislature 2022 Session



OKLAHOMA

Oklahoma Hydrogen Legislative Summary

The Oklahoma Hydrogen Task Force Report and Deliverables

- The Hydrogen Production, Transportation, and Infrastructure Task Force (OK H2 Task Force) SB 1021 signed into law April 20, 2021
- Delivered to the Governor, President Pro Tempore, and Speaker of the House December 1, 2021

OK H2 Task Force Members include:

Secretary Ken Wagner-Chair

Senator Kim David – Co-Chair

Representative Mark McBride – Co-Chair

Representative Brad Boles

Brent Kisling, Executive Director, OK Dept of Commerce

Julie Cunningham, Executive Director, OK Water Resource Board

Dr. Tomas de la Rubia, VP Research and Partnerships University of Oklahoma

Terri Angier, OK Dept of Transportation, Liaison and Public Relations Advisor

Brandy Wreath, OK Corporation Commission

Amy Walton, OCAST, Director Government Affairs



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BILL	SUBJECT
<u>SB1190</u>	Career Tech Hydrogen Technician Training
<u>SB1197</u>	Hydrogen Exemption from Petroleum Storage Tank Act
<u>SB1852</u>	OK Low Carbon Initiative Act
<u>SB1853</u>	Hydrogen Fuel Production Standard
<u>SB1854</u>	Hydrogen Production Permitting at DEQ
<u>SB1855</u>	Hydrogen Fuel Permitting
<u>SB1856</u>	Carbon Capture and Geologic Sequestration Grant
<u>SB1857</u>	Alternative Fuels Tax Credit
<u>SB1858</u>	Tax exemptions for Qualified Hydrogen Engineers
<u>SB1859</u>	Quality Jobs Program (Hydrogen)
<u>HB3054</u>	Weight Exemption for Hydrogen Vehicles

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SB 1853 – Hydrogen Fuel Production Standard

An Act relating to the Corporation Commission; creating hydrogen fuel production standard; establishing provisions for reporting of hydrogen fuel production; defining term; providing for codification; and providing an effective date.

- Hydrogen production standard goal of 2 million metric tons of additional low or zero carbon sourced energy by 2028
- Economic impact of 2 million metric tons of hydrogen production
 - \$3.25 billion in capital investment to construction and equipment
 - 5,300+ jobs in construction, engineering, maintenance, and other
 - \$4.22 billion annually on operating expenditures like electricity, water, labor, and maintenance services
 - Approximately 4,500 direct jobs at hydrogen production facilities with total payroll above \$400 million per year

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SB 1852 – Oklahoma Low Carbon Initiative Act

An Act relating to **Oklahoma Energy Initiative Act**; amending 17 O.S. 2021, Sections 802.2 and 802.3, which relate to the Oklahoma Energy Initiative duties and board; requiring Initiative to add certain energy practices to scope; conforming language; modifying Energy Initiative Board members; removing certain institutions from Board; adding certain energy industry producers to Board; and providing an effective date.

- Promoting research and development in the areas of conventional and unconventional oil and natural gas development and production, **hydrogen production, storage, and distribution**, CO₂ enhanced oil recovery, wind forecasting, advanced biofuels, energy storage, water management, energy policy and economic analysis, energy system optimization, renewable energy integration into the electric grid, and similar energy technologies
- Establishing Oklahoma as a regional resource and clearinghouse for transformative energy technologies in the areas of traditional energy, **hydrogen production, storage and distribution**, and renewable resource research and development
- 11 member board to include research universities, ODOC, Dept of Labor, etc



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HB3054 – Weight Exemption for Hydrogen Vehicles

An Act relating to motor vehicles; providing for weight exemption for certain vehicles; extending weight exemption to certain roads; providing for codification; and providing an effective date.

- A motor vehicle or commercial motor vehicle, if operated by an engine fueled wholly or partially by an electric battery or hydrogen fuel cell electric fueling system, may exceed the gross vehicle weight limits and any axle weight limits by an amount, not to exceed a maximum of two thousand (2,000) pounds, that is equal to the difference between:
 - “electric and battery equipment versus diesel tank and fueling system”

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SB 1197 – Hydrogen Exemption from Petroleum Storage Tank Act

An Act relating to Corporation Commission; amending 17 O.S. 2021, Section 304, which relates to exemptions for the Oklahoma Petroleum Storage Tank Consolidation Act; exempting hydrogen tank systems from certain provisions; and providing an effective date.



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SB 1855 – Hydrogen Fuel Permitting

An Act relating to the Alternative Fuels Technician Certification Act; amending 40 O.S. 2021, Section 142.2, which relates to inspections by the Department of Labor; modifying equipment and facilities under Department authority; and providing an effective date.



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SB 1856 – Carbon Capture and Geologic Sequestration Grant

An Act relating to carbon sequestration; directing office of the Secretary of Energy and Environment to create and administer grant program for certain entities; requiring grant program be subject to Legislative appropriation; providing for codification; and providing an effective date.



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SB 1857 – Alternative Fuels Tax Credit

An Act relating to income tax credit; amending 68 O.S. 2021, Section 2357.22, which relates to tax credits for investment in certain qualified clean burning motor vehicles and related assets; modifying tax years for which credit may be claimed; providing tax credit for hydrogen fuel cells and related assets; and providing an effective date.



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SB 1858 – Tax Exemptions for Qualified Hydrogen Engineers

An Act relating to income tax credit; defining terms; providing tax credit for certain tuition reimbursements; requiring the award of certain degree to claim credit; providing amount of credit; providing credit for certain compensation paid to qualified employee in hydrogen manufacturing industry; providing amount of credit; limiting amount of credit; prohibiting use of credit to reduce tax liability below zero; providing maximum number of tax years credit can be claimed; authorizing carryover of credit for certain amount of years; providing for codification; and providing an effective date.

