# Governor Michelle Lujan Grisham's Hydrogen Incentive Bill

Tax incentives for low-carbon hydrogen facilities, equipment, production, distribution, refueling, or electric generating facilities.



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## **Qualifying Hydrogen**

- Prior to July 1, 2025, Carbon Intensity ("CI") equal to or less than 6;
- After July 1, 2025 and prior to July 1, 2028, CI equal to or less than 4;
- After July 1, 2028, CI equal to or less than 3.

## **Incentives for qualifying hydrogen**

- Construct before January 1, 2031
- Personal/corporate income tax credit: 2.5%
- Gross receipts tax deduction: 33%

# Clean Hydrogen

 CI equal to or less than 2; or as defined by the Federal Government.

# Incentives for clean hydrogen and hydrogen electric generating facilities\*

- Construct before January 1, 2033
- Personal/corporate income tax credit: 5.0%
- Gross receipts tax deduction: 66%

# **Carbon-Negative Hydrogen**

• CI equal to or less than 0.

# Incentives for carbon-negative hydrogen

- Construct before January 1, 2035
- Personal/corporate income tax credit: 7.5%
- Gross receipts tax deduction: 100%

\*Hydrogen electric generating facilities must also meet an emission limit of 550 pounds of carbon dioxide per megawatt hour to secure tax incentives.

		BILL

## 55TH LEGISLATURE - STATE OF NEW MEXICO - SECOND SESSION, 2022

## INTRODUCED BY

DISCUSSION DRAFT

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## AN ACT

RELATING TO TAXATION; CREATING THE HYDROGEN PRODUCTION AND ENERGY GENERATION INCOME TAX CREDIT, THE HYDROGEN PRODUCTION AND ENERGY GENERATION CORPORATE INCOME TAX CREDIT AND GROSS RECEIPTS AND COMPENSATING TAX DEDUCTIONS FOR HYDROGEN-RELATED SALES AND USE.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF NEW MEXICO:

SECTION 1. A new section of the Income Tax Act is enacted to read:

"[NEW MATERIAL] HYDROGEN PRODUCTION AND ENERGY GENERATION INCOME TAX CREDIT .--

A. A taxpayer who is not a dependent of another taxpayer and who holds an interest in a carbon-negative hydrogen production facility, a clean hydrogen production facility, a qualified hydrogen production facility or a .221564.4GLG

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hydrogen electric generating facility may apply for, and the department may allow, a tax credit against the taxpayer's tax liability pursuant to the Income Tax Act pursuant to the provisions of this section. The tax credit provided by this section may be referred to as the "hydrogen production and energy generation income tax credit".

- The amount of a hydrogen production and energy generation income tax credit that may be allowed shall be equal to:
- in the case of a carbon-negative hydrogen (1) production facility, seven and one-half percent of the construction plant costs of the facility;
- in the case of a clean hydrogen production (2) facility or a hydrogen electric generating facility, five percent of the construction plant costs of the facility; and
- in the case of a qualified hydrogen production facility, two and one-half percent of the construction plant costs of the facility.
- C. A taxpayer who seeks to claim a tax credit provided by this section shall apply for a certificate of eligibility from the department of environment on forms and in the manner prescribed by that department. The taxpayer shall include with the application an administrative fee, as determined by the department of environment, to cover the reasonable costs of that department to determine whether the

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facility meets the requirements of this section.

- Within one hundred twenty days of receiving a completed application, the department of environment shall issue a certificate of eligibility stating whether the taxpayer is eligible to claim the tax credit provided by this section. The department of environment shall adopt rules establishing procedures to provide certificates of eligibility for purposes of obtaining the tax credit.
- The department of environment shall adopt rules establishing procedures to provide certification of the tax credit provided by this section.
- F. To receive a tax credit provided by this section, a taxpayer shall apply to the department on forms and in the manner prescribed by the department. The application shall include a certificate of eligibility issued by the department of environment pursuant to this section.
- That portion of a tax credit that exceeds a taxpayer's tax liability in the taxable year in which the credit is claimed shall not be refunded but may be carried forward for a maximum of seven consecutive taxable years.
- Married individuals filing separate returns for a taxable year for which they could have filed a joint return may each claim only one-half of a tax credit that would have been claimed on a joint return.
- I. A taxpayer may be allocated the right to claim a .221564.4GLG

tax credit provided by this section in proportion to the taxpayer's ownership interest if the taxpayer owns an interest in a business entity that is taxed for federal income tax purposes as a partnership or limited liability company and that business entity has met all of the requirements to be eligible for the credit. The total credit claimed by all members of the partnership or limited liability company shall not exceed the allowable amount of credit pursuant to this section.

- J. A taxpayer allowed a tax credit pursuant to this section shall report the amount of the credit to the taxation and revenue department in a manner required by that department.
- K. The taxation and revenue department and the department of environment shall compile an annual report on the tax credits provided by this section that shall include the number of taxpayers approved by the department to receive the credits, the aggregate amount of credits approved and any other information necessary to evaluate the credit. The departments shall present the report to the revenue stabilization and tax policy committee and the legislative finance committee with an analysis of the cost of the tax credits and whether the credits are performing the purpose for which the credits were created.
  - L. As used in this section:
- (1) "carbon intensity" means the quantity of carbon dioxide equivalent emitted as determined through a life cycle analysis as expressed in kilograms of carbon dioxide

equivalent per kilogram of hydrogen produced;

- (2) "carbon-negative hydrogen" means hydrogen produced with a carbon intensity less than zero kilograms of carbon dioxide equivalent per kilogram of hydrogen produced;
- (3) "carbon-negative hydrogen production facility" means a facility located in New Mexico that begins construction prior to January 1, 2035 and produces carbonnegative hydrogen;
  - (4) "clean hydrogen" means:
- (a) hydrogen produced with a carbon intensity equal to or less than two kilograms of carbon dioxide equivalent per kilogram of hydrogen produced; or
- (b) hydrogen meeting the standards for clean hydrogen developed pursuant to Section 822 of the federal Energy Policy Act of 2005, as that section may be amended or renumbered;
- (5) "clean hydrogen production facility" means a facility located in New Mexico that begins construction prior to January 1, 2033 and produces clean hydrogen;
- (6) "construction plant costs" means actual expenditures for the development and construction of a clean hydrogen production facility, a qualified hydrogen production facility or a hydrogen electric generating facility, including permitting; site characterization and assessment; engineering; design; carbon dioxide capture, treatment, compression,

transportation and sequestration; site and equipment acquisition; raw materials; and fuel supply development used directly and exclusively in the facility;

- (7) "GREET model" means the greenhouse gases, regulated emissions and energy use in technologies model developed by Argonne national laboratory or a successor model;
- (8) "hydrogen" means the gaseous chemical element whose atomic number is one, can condense into a liquid or combine with other elements to form a solid or other liquids or gases and is measured in kilograms; provided that energy units, heating values or other forms of measurement of hydrogen shall be converted to mass and expressed in kilograms;
- (9) "hydrogen electric generating facility" means a facility located in New Mexico that begins construction prior to January 1, 2033, that uses hydrogen to generate electricity and emits no more than five hundred fifty pounds of carbon dioxide per megawatt hour of produced electricity;
- production facility, a clean hydrogen production facility, a qualified hydrogen production facility or a hydrogen electric generating facility" means title to a carbon-negative hydrogen production facility, a clean hydrogen production facility, a qualified hydrogen production facility or a hydrogen electric generating facility; a leasehold interest in such facility; an ownership interest in a business or entity that is taxed for

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federal income tax purposes as a partnership that holds title to or a leasehold interest in such facility; or an ownership interest, through one or more intermediate entities that are each taxed for federal income tax purposes as a partnership, in a business that holds title to or a leasehold interest in such facility;

### (11)"life cycle analysis" means:

for hydrogen produced from methane (a) derived from oil or natural gas operations, the quantity of greenhouse gas emissions through the point of hydrogen production, as determined under the most recent GREET model and certified by a third-party entity that is qualified to verify life cycle analysis, as determined by the department of environment;

for hydrogen produced from natural (b) gas from a regulated utility, the quantity of greenhouse gas emissions produced at the site of production as determined under the most recent GREET model and certified by a thirdparty entity that is qualified to verify life cycle analysis, as determined by the department of environment; or

for hydrogen produced from any other source, including agricultural waste, biomass, municipal solid waste, water or wastewater treatment, the quantity of greenhouse gas emissions through the point of hydrogen production, including all stages of production and

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distribution, from feedstock generation or extraction through the distribution, delivery and use of the finished fuel or other product, as determined under the most recent GREET model and certified by a third-party entity that is qualified to verify life cycle analysis, as determined by the department of environment;

### (12)"qualified hydrogen" means:

(a) prior to July 1, 2025, hydrogen produced with a carbon intensity equal to or less than six kilograms and greater than two kilograms of carbon dioxide equivalent per kilogram of hydrogen produced;

(b) beginning July 1, 2025 and prior to July 1, 2028, hydrogen produced with a carbon intensity equal to or less than four kilograms and greater than two kilograms of carbon dioxide equivalent per kilogram of hydrogen produced; and

(c) beginning July 1, 2028, hydrogen produced with a carbon intensity equal to or less than three kilograms and greater than two kilograms of carbon dioxide equivalent per kilogram of hydrogen produced; and

"qualified hydrogen production facility" (13)means a facility located in New Mexico that produces qualified hydrogen and that begins construction prior to January 1, 2031."

SECTION 2. A new section of the Corporate Income and .221564.4GLG

Franchise Tax Act is enacted to read:

"[NEW MATERIAL] HYDROGEN PRODUCTION AND ENERGY GENERATION
CORPORATE INCOME TAX CREDIT.--

A. A taxpayer that holds an interest in a carbonnegative hydrogen production facility, a clean hydrogen
production facility, a qualified hydrogen production facility
or a hydrogen electric generating facility may apply for, and
the department may allow, a tax credit against the taxpayer's
tax liability pursuant to the Corporate Income and Franchise
Tax Act pursuant to the provisions of this section. The tax
credit provided by this section may be referred to as the
"hydrogen production and energy generation corporate income tax
credit".

- B. The amount of a hydrogen production and energy generation corporate income tax credit that may be allowed shall be equal to:
- (1) in the case of a carbon-negative hydrogen production facility, seven and one-half percent of the construction plant costs of the facility;
- (2) in the case of a clean hydrogen production facility or a hydrogen electric generating facility, five percent of the construction plant costs of the facility; and
- (3) in the case of a qualified hydrogen production facility, two and one-half percent of the construction plant costs of the facility.

- C. A taxpayer that seeks to claim a tax credit provided by this section shall apply for a certificate of eligibility from the department of environment on forms and in the manner prescribed by that department. The taxpayer shall include with the application an administrative fee, as determined by the department of environment, to cover the reasonable costs of that department to determine whether the facility meets the requirements of this section.
- D. Within one hundred twenty days of receiving a completed application, the department of environment shall issue a certificate of eligibility stating whether the taxpayer is eligible to claim the tax credit provided by this section. The department of environment shall adopt rules establishing procedures to provide certificates of eligibility for purposes of obtaining the tax credit.
- E. The department of environment shall adopt rules establishing procedures to provide certification of the tax credit provided by this section.
- F. To receive a tax credit provided by this section, a taxpayer shall apply to the department on forms and in the manner prescribed by the department. The application shall include a certificate of eligibility issued by the department of environment pursuant to this section.
- G. That portion of a tax credit that exceeds a taxpayer's tax liability in the taxable year in which the .221564.4GLG

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credit is claimed shall not be refunded but may be carried forward for a maximum of seven consecutive taxable years.

- A taxpayer allowed a tax credit pursuant to this section shall report the amount of the credit to the taxation and revenue department in a manner required by that department.
- The taxation and revenue department and the department of environment shall compile an annual report on the tax credits provided by this section that shall include the number of taxpayers approved by the department to receive the credits, the aggregate amount of credits approved and any other information necessary to evaluate the credit. The departments shall present the report to the revenue stabilization and tax policy committee and the legislative finance committee with an analysis of the cost of the tax credits and whether the credits are performing the purpose for which the credits were created.

## J. As used in this section:

- "carbon intensity" means the quantity of carbon dioxide equivalent emitted as determined through a life cycle analysis as expressed in kilograms of carbon dioxide equivalent per kilogram of hydrogen produced;
- "carbon-negative hydrogen" means hydrogen (2) produced with a carbon intensity less than zero kilograms of carbon dioxide equivalent per kilogram of hydrogen produced;
- "carbon-negative hydrogen production (3) facility" means a facility located in New Mexico that begins .221564.4GLG

construction prior to January 1, 2035 and produces carbonnegative hydrogen;

- (4) "clean hydrogen" means:
- (a) hydrogen produced with a carbon intensity equal to or less than two kilograms of carbon dioxide equivalent per kilogram of hydrogen produced; or
- (b) hydrogen meeting the standards for clean hydrogen developed pursuant to Section 822 of the federal Energy Policy Act of 2005, as that section may be amended or renumbered;
- (5) "clean hydrogen production facility" means a facility located in New Mexico that begins construction prior to January 1, 2033 and produces clean hydrogen;
- expenditures for the development and construction of a clean hydrogen production facility, a qualified hydrogen production facility or a hydrogen electric generating facility, including permitting; site characterization and assessment; engineering; design; carbon dioxide capture, treatment, compression, transportation and sequestration; site and equipment acquisition; raw materials; and fuel supply development used directly and exclusively in the facility;
- (7) "GREET model" means the greenhouse gases, regulated emissions and energy use in technologies model developed by Argonne national laboratory, or a successor model; .221564.4GLG

(8) "hydrogen" means the gaseous chemical element whose atomic number is one, can condense to a liquid or combine with other elements to form a solid or other liquids or gases and is measured in kilograms; provided that energy units, heating values or other forms of measurement of hydrogen shall be converted to mass and expressed in kilograms;

(9) "hydrogen electric generating facility" means a facility located in New Mexico that begins construction prior to January 1, 2033, that uses hydrogen to generate electricity and emits no more than five hundred fifty pounds of carbon dioxide per megawatt hour of produced electricity;

production facility, a clean hydrogen production facility, a qualified hydrogen production facility or a hydrogen electric generating facility" means title to a carbon-negative hydrogen production facility, clean hydrogen production facility, qualified hydrogen production facility or hydrogen electric generating facility; a leasehold interest in such facility; an ownership interest in a business or entity that is taxed for federal income tax purposes as a partnership that holds title to or a leasehold interest in such facility; or an ownership interest, through one or more intermediate entities that are each taxed for federal income tax purposes as a partnership, in a business that holds title to or a leasehold interest in such facility;

## (11) "life cycle analysis" means:

(a) for hydrogen produced from methane derived from oil or natural gas operations, the quantity of greenhouse gas emissions through the point of hydrogen production as determined under the most recent GREET model and certified by a third-party entity that is qualified to verify life cycle analysis, as determined by the department of environment:

(b) for hydrogen produced from natural gas from a regulated utility, the quantity of greenhouse gas emissions produced at the site of production, as determined by the most recent GREET model and certified by a third-party entity that is qualified to verify life cycle analysis, as determined by the department of environment; or

(c) for hydrogen produced from any other source, including agricultural waste, biomass, municipal solid waste, water or wastewater treatment, the quantity of greenhouse gas emissions through the point of hydrogen production, including all stages of production and distribution from feedstock generation or extraction through the distribution, delivery and use of the finished fuel or other product, as determined under the most recent GREET model and certified by a third-party entity that is qualified to verify life cycle analysis, as determined by the department of environment;

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- (a) prior to July 1, 2025, hydrogen produced with a carbon intensity equal to or less than six kilograms and greater than two kilograms of carbon dioxide equivalent per kilogram of hydrogen produced;
- (b) beginning July 1, 2025 and prior to July 1, 2028, hydrogen produced with a carbon intensity equal to or less than four kilograms and greater than two kilograms of carbon dioxide equivalent per kilogram of hydrogen produced; and
- (c) beginning July 1, 2028, hydrogen produced with a carbon intensity equal to or less than three kilograms and greater than two kilograms of carbon dioxide equivalent per kilogram of hydrogen produced; and
- (13) "qualified hydrogen production facility" means a facility located in New Mexico that produces qualified hydrogen and that begins construction prior to January 1,
- SECTION 3. A new section of the Gross Receipts and Compensating Tax Act is enacted to read:
- "[NEW MATERIAL] DEDUCTIONS--GROSS RECEIPTS--COMPENSATING
  TAX--HYDROGEN-RELATED SALES AND USE.--
- A. One hundred percent of the receipts from selling carbon-negative hydrogen may be deducted from gross receipts.
- B. Sixty-six percent of the receipts from selling .221564.4GLG

clean hydrogen may be deducted from gross receipts.

- C. Thirty-three percent of the receipts from selling qualified hydrogen may be deducted from gross receipts.
- D. Receipts from selling tangible personal property installed as part of, or services rendered in connection with, constructing and equipping a hydrogen refueling station may be deducted from gross receipts.
- E. Receipts from selling hydrogen-fueled vehicles may be deducted from gross receipts.
- F. The following amount of receipts from selling or leasing tangible personal property or selling services that are construction plant costs to a person who holds an interest in a carbon-negative hydrogen production facility, a clean hydrogen production facility, a qualified hydrogen production facility or a hydrogen electric generating facility may be deducted from gross receipts if the holder of the interest delivers an appropriate nontaxable transaction certificate to the seller or lessor or provides alternative evidence pursuant to Section 7-9-43 NMSA 1978:
- (1) in regard to a carbon-negative hydrogen production facility or a hydrogen electric generating facility, one hundred percent;
- (2) in regard to a clean hydrogen production facility, sixty-six percent; and
  - (3) in regard to a qualified hydrogen

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production facility, thirty-three percent.

- The value of equipment installed as part of a hydrogen refueling station may be deducted in computing compensating tax due.
- The value of hydrogen-fueled vehicles may be Η. deducted in computing compensating tax due.
- The value of equipment installed used for the distribution of hydrogen may be deducted in computing compensating tax due.
- The following values of construction plant costs purchased by a person who holds an interest in a carbonnegative hydrogen production facility, a clean hydrogen production facility, a qualified hydrogen production facility or a hydrogen electric generating facility may be deducted in computing the compensating tax due:
- in regard to a carbon-negative hydrogen (1) production facility, one hundred percent;
- in regard to a clean hydrogen production (2) facility or a hydrogen electric generating facility, sixty-six percent; and
- in regard to a qualified hydrogen (3) production facility, thirty-three percent.
- Κ. A taxpayer allowed a deduction pursuant to this section shall report the amount of the deduction separately in a manner required by the department.

L. The department shall compile an annual report on the deductions provided by this section that shall include the number of taxpayers that claimed each deduction, the aggregate amount of deductions claimed and any other information necessary to evaluate the effectiveness of the deduction. The department shall present the annual report to the revenue stabilization and tax policy committee and the legislative finance committee with an analysis of the effectiveness and cost of the deductions and whether the deductions are performing the purpose for which the deductions were created.

## M. As used in this section:

- (1) "carbon intensity" means the quantity of carbon dioxide equivalent emitted as determined through a life cycle analysis as expressed in kilograms of carbon dioxide equivalent per kilogram of hydrogen produced;
- (2) "carbon-negative hydrogen" means hydrogen produced with a carbon intensity equal to or less than zero kilograms of carbon dioxide equivalent per kilogram of hydrogen produced;
- (3) "carbon-negative hydrogen production facility" means a facility located in New Mexico that produces carbon-negative hydrogen and begins constriction prior to January 1, 2035;
  - (4) "clean hydrogen" means the lesser of:(a) hydrogen produced with a carbon

intensity equal to or less than two kilograms and greater than zero kilograms of carbon dioxide equivalent per kilogram of hydrogen produced; or

- (b) hydrogen meeting the standards for clean hydrogen developed pursuant to Section 822 of the federal Energy Policy Act of 2005, as that section may be amended or renumbered;
- (5) "clean hydrogen production facility" means a facility located in New Mexico that produces clean hydrogen and begins construction prior to January 1, 2033;
- expenditures for the development and construction of a carbonnegative hydrogen production facility, a clean hydrogen
  production facility, a qualified hydrogen production facility
  or a hydrogen electric generating facility, including
  permitting; site characterization and assessment; engineering;
  design; carbon dioxide capture, treatment, compression,
  transportation and sequestration; site and equipment
  acquisition; raw materials; and fuel supply development used
  directly and exclusively in the facility;
- (7) "hydrogen electric generating facility" means a facility located in New Mexico that begins construction prior to January 1, 2033, that uses hydrogen to generate electricity and emits no more than five hundred fifty pounds of carbon dioxide per megawatt hour of produced electricity;

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- (8) "hydrogen-fueled vehicle" means a bus, commercial motor vehicle, off-highway motor vehicle, railroad train, recreational vehicle, road tractor, school bus, special mobile equipment, tank vehicle, truck or truck tractor, as those terms are defined in the Motor Vehicle Code, that is fueled by hydrogen;
- (9) "hydrogen refueling station" means a refueling station that supplies hydrogen suitable for use as a fuel in hydrogen-fueled vehicles;
- "interest in a carbon-negative hydrogen (10)production facility, a clean hydrogen production facility, a qualified hydrogen production facility or a hydrogen electric generating facility" means title to a carbon-negative hydrogen production facility, a clean hydrogen production facility, a qualified hydrogen production facility or a hydrogen electric generating facility; a leasehold interest in such facility; an ownership interest in a business or entity that is taxed for federal income tax purposes as a partnership that holds title to or a leasehold interest in such facility; or an ownership interest, through one or more intermediate entities that are each taxed for federal income tax purposes as a partnership, in a business that holds title to or a leasehold interest in such facility;
  - "qualified hydrogen" means: (11)
    - (a) prior to July 1, 2025, hydrogen

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produced with a carbon intensity equal to or less than six kilograms and greater than two kilograms of carbon dioxide equivalent per kilogram of hydrogen produced;

(b) beginning July 1, 2025 and prior to July 1, 2028, hydrogen produced with a carbon intensity equal to or less than four kilograms and greater than two kilograms of carbon dioxide equivalent per kilogram of hydrogen produced; and

(c) beginning July 1, 2028, hydrogen produced with a carbon intensity equal to or less than three kilograms and greater than two kilograms of carbon dioxide equivalent per kilogram of hydrogen produced;

"qualified hydrogen production facility" (12)means a facility located in New Mexico that produces qualified hydrogen and that begins construction prior to January 1, 2031; and

"special mobile equipment" means "special mobile equipment" as defined in the Motor Vehicle Code."

SECTION 4. APPLICABILITY. -- Sections 1 and 2 of this act apply to taxable years beginning on or after January 1, 2022.

SECTION 5. EFFECTIVE DATE. -- The effective date of the provisions of this act is July 1, 2022.