

Idaho Oil and Gas Conservation Commission Open Meeting Checklist

Meeting Date: August 19, 2025

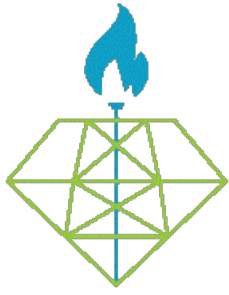
Regular Meetings

Date	Action
08/06/25	Notice of Meeting posted in prominent place in Idaho Department of Lands (IDL) Boise Director's office five (5) or more calendar days before meeting.
08/06/25	Notice of Meeting posted in prominent place in IDL Coeur d'Alene staff office five (5) or more calendar days before meeting.
08/06/25	Notice of Meeting posted in prominent place at meeting location five (5) or more calendar days before meeting.
08/06/25	Notice of Meeting published on Townhall Idaho website (https://townhall.idaho.gov) five (5) or more calendar days before meeting.
08/06/25	Notice of Meeting emailed/faxed to list of media and interested citizens who have requested such notice five (5) or more calendar days before meeting.
08/06/25	Notice of Meeting posted electronically on the OGCC website (https://ogcc.idaho.gov/) five (5) or more calendar days before meeting.
08/14/25	Agenda posted in prominent place in IDL Boise Director's office forty-eight (48) hours before meeting.
08/14/25	Agenda posted in prominent place in IDL Coeur d'Alene staff office forty-eight (48) hours before meeting.
08/14/25	Agenda posted in prominent place at meeting location forty-eight (48) hours before meeting.
08/14/25	Agenda published on Townhall Idaho website (https://townhall.idaho.gov) forty-eight (48) hours before meeting.
08/14/25	Agenda posted electronically on the OGCC website (https://ogcc.idaho.gov/) forty-eight (48) hours before meeting.
12/09/24	Annual meeting schedule posted – Boise Director's Office, Coeur d'Alene Staff Office, and OGCC website (https://ogcc.idaho.gov/)
03/13/25	Revised annual meeting schedule posted – Boise Director's Office, Coeur d'Alene Staff Office, and OGCC website (https://ogcc.idaho.gov/)

Certification

/s/ Renée Jacobsen
Recording Secretary

August 14, 2025
Date



Idaho Oil and Gas Conservation Commission

Ray Hinchcliff, Chair
Jennifer Riebe, Vice Chair
Margaret Chipman, Commissioner
Marc Haws, Commissioner
Mike Lyden, Commissioner

Shannon Chollett, Secretary to the Commission

Notice of Public Meeting August 2025

The Idaho Oil and Gas Conservation Commission will hold a Regular Meeting on Tuesday, August 19, 2025, at the State Capitol, House Hearing Room, (EW42), Lower Level, East Wing, 700 W Jefferson Street, Boise. The meeting is scheduled to begin at 1:30 pm (MT).

Please note meeting location.

The Oil and Gas Conservation Commission will conduct this meeting in person and by virtual means. This meeting is open to the public. No public comment will be taken.

[Meeting will be streamed live via IPTV:](https://www.idahoptv.org/shows/idahoinsession/ew42/)

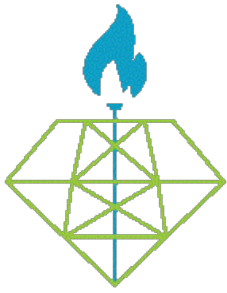
<https://www.idahoptv.org/shows/idahoinsession/ew42/>

First Notice Posted: 08/06/2025-IDL Boise; 08/06/2025-IDL CDA

The Idaho Oil and Gas Conservation Commission is established by Idaho Code § 47-314.

Idaho Department of Lands, 300 N 6th Street, Suite 103, Boise ID 83702

This notice is published pursuant to § 74-204 Idaho Code. For additional information regarding Idaho's Open Meeting law, please see Idaho Code §§ 74-201 through 74-208.



Idaho Oil and Gas Conservation Commission

Ray Hinchcliff, Chair
Jennifer Riebe, Vice Chair
Margaret Chipman, Commissioner
Marc Haws, Commissioner
Mike Lyden, Commissioner

Shannon Chollett, Secretary to the Commission

Agenda

Idaho Oil and Gas Conservation Commission Regular Meeting
August 19, 2025 – 1:30 PM (MT)
State Capitol, House Hearing Room, (EW42), Lower Level, East Wing,
700 W Jefferson Street, Boise

The Oil and Gas Conservation Commission will conduct this meeting in person and by virtual means.

This meeting is open to the public. No public comment will be accepted at this meeting.

[The meeting will be streamed live via IPTV:](https://www.idahoptv.org/shows/idahoinsession/ew42)

<https://www.idahoptv.org/shows/idahoinsession/ew42>

Announcements

No public comment will be accepted at this meeting.

Reports

1. Department Report – *Presented by Shannon Chollett, Division Administrator*
 - A. Financial Update
 - B. Current Oil and Gas Activity

Consent – Action Item(s)

2. Approval of Minutes – May 14, 2025 – Regular Meeting (Boise)

Information

3. Presentation: Hydrogen Exploration in Idaho – *Presented by Lauren Morahan, Koloma Inc.*

Executive

- A. Idaho Code 74-206(1)(f) – to communicate with legal counsel for the public agency to discuss the legal ramifications of and legal options for pending litigation, or controversies not yet being litigated but imminently likely to be litigated. [TOPIC: Legal opinion and considerations regarding Idaho Statutes and Rules]

Regular – Action Item(s)

- 4. Election of Chairman and Vice-Chairman

This agenda is published pursuant to § 74-204 Idaho Code. The agenda is subject to change by the Commission. To arrange auxiliary aides or services for persons with disabilities, please contact Dept. of Lands at (208) 334-0242. Accommodation requests for auxiliary aides or services must be made no less than five (5) working days in advance of the meeting. Agenda materials may be requested by submitting a Public Records Request at the [Idaho Department of Lands Contact Us](https://www.idl.idaho.gov/contact-us/) webpage: <https://www.idl.idaho.gov/contact-us/>



Idaho Statutes

Idaho Statutes are updated to the web July 1 following the legislative session.

TITLE 74
TRANSPARENT AND ETHICAL GOVERNMENT
CHAPTER 2
OPEN MEETINGS LAW

74-206. EXECUTIVE SESSIONS – WHEN AUTHORIZED. (1) An executive session at which members of the public are excluded may be held, but only for the purposes and only in the manner set forth in this section. The motion to go into executive session shall identify the specific subsections of this section that authorize the executive session. There shall be a roll call vote on the motion and the vote shall be recorded in the minutes. An executive session shall be authorized by a two-thirds (2/3) vote of the governing body. An executive session may be held:

- (a) To consider hiring a public officer, employee, staff member or individual agent, wherein the respective qualities of individuals are to be evaluated in order to fill a particular vacancy or need. This paragraph does not apply to filling a vacancy in an elective office or deliberations about staffing needs in general;
- (b) To consider the evaluation, dismissal or disciplining of, or to hear complaints or charges brought against, a public officer, employee, staff member or individual agent, or public school student;
- (c) To acquire an interest in real property not owned by a public agency;
- (d) To consider records that are exempt from disclosure as provided in chapter 1, title 74, Idaho Code;
- (e) To consider preliminary negotiations involving matters of trade or commerce in which the governing body is in competition with governing bodies in other states or nations;
- (f) To communicate with legal counsel for the public agency to discuss the legal ramifications of and legal options for pending litigation, or controversies not yet being litigated but imminently likely to be litigated. The mere presence of legal counsel at an executive session does not satisfy this requirement;
- (g) By the commission of pardons and parole, as provided by law;
- (h) By the custody review board of the Idaho department of juvenile corrections, as provided by law;
- (i) To engage in communications with a representative of the public agency's risk manager or insurance provider to discuss the adjustment of a pending claim or prevention of a claim imminently likely to be filed. The mere presence of

a representative of the public agency's risk manager or insurance provider at an executive session does not satisfy this requirement; or

(j) To consider labor contract matters authorized under section 74-206A (1)(a) and (b), Idaho Code.

(2) The exceptions to the general policy in favor of open meetings stated in this section shall be narrowly construed. It shall be a violation of this chapter to change the subject within the executive session to one not identified within the motion to enter the executive session or to any topic for which an executive session is not provided.

(3) No executive session may be held for the purpose of taking any final action or making any final decision.

(4) If the governing board of a public school district, charter district, or public charter school has vacancies such that fewer than two-thirds (2/3) of board members have been seated, then the board may enter into executive session on a simple roll call majority vote.

History:

[74-206, added 2015, ch. 140, sec. 5, p. 371; am. 2015, ch. 271, sec. 1, p. 1125; am. 2018, ch. 169, sec. 25, p. 377; am. 2019, ch. 114, sec. 1, p. 439.]

How current is this law?

Search the Idaho Statutes and Constitution

**Oil and Gas Regulatory Program
Activities Report as of April, 2025
Fund 16614 Oil and Gas Conservation Fund Cash Flow Report**

		Current Month	Year-to-Date
Beginning Cash Balance 7/1/2024	839,276.50		
Permits		0.00	1,300.00
*Severance Tax		19,377.53	85,189.79
Refund (previous year)		0.00	0.00
Other Revenue		0.00	0.00
Other (transfer to GF)		0.00	0.00
Total		<u>19,377.53</u>	<u>86,489.79</u>
Personnel Expenditures		(8,828.75)	(94,862.77)
Operating Expenditures		(1,436.99)	(3,291.08)
Capital Outlay Expenditures		0.00	0.00
Interagency Liability to be paid		1,395.50	1,966.65
P-Card Liability to be paid		0.00	0.00
Total		<u>(8,870.24)</u>	<u>(96,187.20)</u>
Ending Cash Balance 04/30/2025			<u><u>829,579.09</u></u>

*The Idaho Tax Commission transfers 60% of the 2.5% Severance Tax to Fund 16614 Oil and Gas Conservation Fund to defray the expense of the Oil and Gas Commission.

General Fund Regulatory Program Expenditures Report

Expenditures from General Fund FY25				
Expenses	Allocation	Current Month	Year-to-Date	Balance
PC	227,600.00	18,241.02	184,620.30	42,979.70
OE	81,300.00	9,870.83	58,510.90	22,789.10
CO	0.00	0.00	0.00	0.00
Total	<u>308,900.00</u>	<u>28,111.85</u>	<u>243,131.20</u>	<u>65,768.80</u>

Dedicated Fund Regulatory Program Expenditures Report

Expenditures from Dedicated Fund FY25				
Expenses	Allocation	Current Month	Year-to-Date	Balance
PC	154,900.00	8,828.75	94,862.77	60,037.23
OE	58,600.00	1,436.99	3,291.08	55,308.92
CO	0.00	0.00	0.00	0.00
Total	<u>213,500.00</u>	<u>10,265.74</u>	<u>98,153.85</u>	<u>115,346.15</u>

**Oil and Gas Regulatory Program
Activities Report as of May, 2025
Fund 16614 Oil and Gas Conservation Fund Cash Flow Report**

		Current Month	Year-to-Date
Beginning Cash Balance 7/1/2024	839,276.50		
Permits		2,600.00	3,900.00
*Severance Tax		14,688.81	99,878.60
Refund (previous year)		0.00	0.00
Other Revenue		0.00	0.00
Other (transfer to GF)		0.00	0.00
Total		17,288.81	103,778.60
Personnel Expenditures		(10,000.03)	(104,862.80)
Operating Expenditures		(1,039.23)	(4,330.31)
Capital Outlay Expenditures		0.00	0.00
Interagency Liability to be paid		(397.76)	1,568.89
P-Card Liability to be paid		0.00	0.00
Total		(11,437.02)	(107,624.22)
Ending Cash Balance 05/31/2025			835,430.88

*The Idaho Tax Commission transfers 60% of the 2.5% Severance Tax to Fund 16614 Oil and Gas Conservation Fund to defray the expense of the Oil and Gas Commission.

General Fund Regulatory Program Expenditures Report

Expenditures from General Fund FY25				
Expenses	Allocation	Current Month	Year-to-Date	Balance
PC	227,600.00	19,046.94	203,667.24	23,932.76
OE	81,300.00	2,329.88	60,840.78	20,459.22
CO	0.00	0.00	0.00	0.00
Total	308,900.00	21,376.82	264,508.02	44,391.98

Dedicated Fund Regulatory Program Expenditures Report

Expenditures from Dedicated Fund FY25				
Expenses	Allocation	Current Month	Year-to-Date	Balance
PC	154,900.00	10,000.03	104,862.80	50,037.20
OE	58,600.00	1,039.23	4,330.31	54,269.69
CO	0.00	0.00	0.00	0.00
Total	213,500.00	11,039.26	109,193.11	104,306.89

**Oil and Gas Regulatory Program
Activities Report as of June, 2025
Fund 16614 Oil and Gas Conservation Fund Cash Flow Report**

		Current Month	Year-to-Date
Beginning Cash Balance 7/1/2024	839,276.50		
Permits		1,000.00	4,900.00
*Severance Tax		5,238.15	105,116.75
Refund (previous year)		0.00	0.00
Other Revenue		0.00	0.00
Other (transfer to GF)		0.00	0.00
Total		6,238.15	110,016.75
Personnel Expenditures		(9,622.13)	(114,484.93)
Operating Expenditures		(5,128.14)	(9,458.45)
Capital Outlay Expenditures		0.00	0.00
Interagency Liability to be paid		(997.74)	571.15
P-Card Liability to be paid		0.00	0.00
Total		(15,748.01)	(123,372.23)
Ending Cash Balance 06/30/2025			825,921.02

*The Idaho Tax Commission transfers 60% of the 2.5% Severance Tax to Fund 16614 Oil and Gas Conservation Fund to defray the expense of the Oil and Gas Commission.

General Fund Regulatory Program Expenditures Report

Expenditures from General Fund FY25				
Expenses	Allocation	Current Month	Year-to-Date	Balance
PC	227,600.00	19,430.81	223,098.05	4,501.95
OE	81,300.00	11,139.47	71,980.25	9,319.75
CO	0.00	0.00	0.00	0.00
Total	308,900.00	30,570.28	295,078.30	13,821.70

Dedicated Fund Regulatory Program Expenditures Report

Expenditures from Dedicated Fund FY25				
Expenses	Allocation	Current Month	Year-to-Date	Balance
PC	154,900.00	9,622.13	114,484.93	40,415.07
OE	58,600.00	5,128.14	9,458.45	49,141.55
CO	0.00	0.00	0.00	0.00
Total	213,500.00	14,750.27	123,943.38	89,556.62

**Oil and Gas Regulatory Program
Activities Report as of July 31, 2025
Fund 16614 Oil and Gas Conservation Fund Cash Flow Report**

		Current Month	Year-to-Date
Beginning Cash Balance 7/1/2025	825,921.02		
Permits		5,100.00	5,100.00
*Severance Tax		3,661.39	3,661.39
Refund (previous year)		0.00	0.00
Other Revenue		0.00	0.00
Other (transfer to GF)		0.00	0.00
Total		8,761.39	8,761.39
Personnel Expenditures		(12,307.30)	(12,307.30)
Operating Expenditures		(41.47)	(41.47)
Capital Outlay Expenditures		0.00	0.00
Interagency Liability to be paid		0.00	0.00
P-Card Liability to be paid		0.00	0.00
Total		(12,348.77)	(12,348.77)
Ending Cash Balance 07/31/2025			822,333.64

*The Idaho Tax Commission transfers 60% of the 2.5% Severance Tax to Fund 16614 Oil and Gas Conservation Fund to defray the expense of the Oil and Gas Commission.

General Fund Regulatory Program Expenditures Report

Expenditures from General Fund FY26				
Expenses	Allocation	Current Month	Year-to-Date	Balance
PC	0.00	15,117.27	15,117.27	(15,117.27)
OE	0.00	84.27	84.27	(84.27)
CO	0.00	0.00	0.00	0.00
Total	0.00	15,201.54	15,201.54	(15,201.54)

Dedicated Fund Regulatory Program Expenditures Report

Expenditures from Dedicated Fund FY26				
Expenses	Allocation	Current Month	Year-to-Date	Balance
PC	130,000.00	12,307.30	12,307.30	117,692.70
OE	107,300.00	41.47	41.47	107,258.53
CO	0.00	0.00	0.00	0.00
Total	237,300.00	12,348.77	12,348.77	224,951.23

Western Snake River Basin (WSRB) – Well Status



<i>No.</i>	<i>US Well Number</i>	<i>Operator</i>	<i>Well Name</i>	<i>Status</i>
1	11-075-20011	Snake River O&G	Tracy Trust #3-2	Shut in; pending P&A
2	11-075-20020	Snake River O&G	DJS Properties #1-15	Shut in
3	11-075-20022	Snake River O&G	ML Investments #2-10	Shut in
4	11-075-20023	Snake River O&G	DJS Properties #2-14	Shut in (Class II UIC)
5	11-075-20024	Snake River O&G	Kauffman #1-34	P&A
6	11-075-20025	Snake River O&G	ML Investments #1-11	Inactive /Shut in
7	11-075-20026	Snake River O&G	ML Investments #1-3	Shut in
8	11-075-20027	Snake River O&G	Kauffman #1-9	P&A
9	11-075-20029	Snake River O&G	ML Investments #2-3	Shut in
10	11-075-20031	Snake River O&G	ML Investments #3-10	Shut in
11	11-075-20032	Snake River O&G	Fallon #1-10	Producing
12	11-075-20033	Snake River O&G	Barlow #1-14	Producing
13	11-075-20036	Snake River O&G	Barlow #2-14	Producing
14	11-075-20037	Snake River O&G	Fallon #1-11	Shut in
15	11-075-20038	Snake River O&G	Dutch-Lane #1-13	Producing
16	11-075-20039	Snake River O&G	Irvin #1-19	Shut in
17	11-075-20040	Snake River O&G	Barlow #3-14	Shut in

Average Daily Production – April 1 through June 30, 2025:

3.0 MMCFGD

(Million Cubic Feet of Gas per Day)

43.3 BCD

(Barrels of Condensate per Day)

13.4 BWD

(Barrels of Water per Day)

2,470 Gal NGLs per Day

(Plant Volume)

Current Well Status – June 30, 2025:

14 Active Permits, 1 Inactive

4 Wells Producing

Western Snake River Basin (WSRB) – Production Status



			2	0	2	2			2	0	2	3			2	0	2	4			2	0	2	5																					
Field	Pool / Unit	Well Name	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D		
Willow	C-UT (Goss)	Kauffman #1-9 UT		i			X					i											P&A'd																						
Willow	C-LT (Goss)	Kauffman #1-9 LT		i			X					i											P&A'd																						
Willow	E-LT	ML Investments #1-11 LT		i											X				i										i			m													
Willow	E-UT	ML Investments #1-11 UT		i											X				i										i			m													
Willow	A (Walker)	Kauffman #1-34		i															i				P&A'd																						
Willow	B (East)	ML Investments #1-3		i															i																										
Willow	B (West)	ML Investments #2-3		i															i																										
Willow	D-LT	ML Investments #2-10 LT																																											
Willow	D-UT	ML Investments #2-10 UT			i																																								
Willow	F	DJS Properties #1-15			i																																								
Willow	D (West)	ML Investments #3-10 UC			i																																								
Willow	Class II Inject.	DJS Properties #2-14			i																																								
Harmon	A	Fallon #1-10																																											
Harmon	Barlow - D Sand	Barlow #1-14																																											
Harmon	Barlow - B Sand	Barlow #2-14																																											
Harmon	B	Fallon #1-11																																											
Harmon	E	Dutch Lane #1-13 C&D																																											
Harmon	F	Irvin #1-19				i																																							
Harmon	Barlow - C Sand	Barlow #3-14				i																																							

Key:	
	Monthly Production - Yes
	Monthly Production - No
	24 Months No Production
	Well / Completion Plugged
	Class II Permit Granted
X	Well Declared Inactive
Y	Well Plugging Deadline
i	Inspection
m	Mechanical Integrity Test

Average Daily Production – April 1 through June 30, 2025:

3.0 MMCFGD

(Million Cubic Feet of Gas per Day)

43.3 BCD

(Barrels of Condensate per Day)

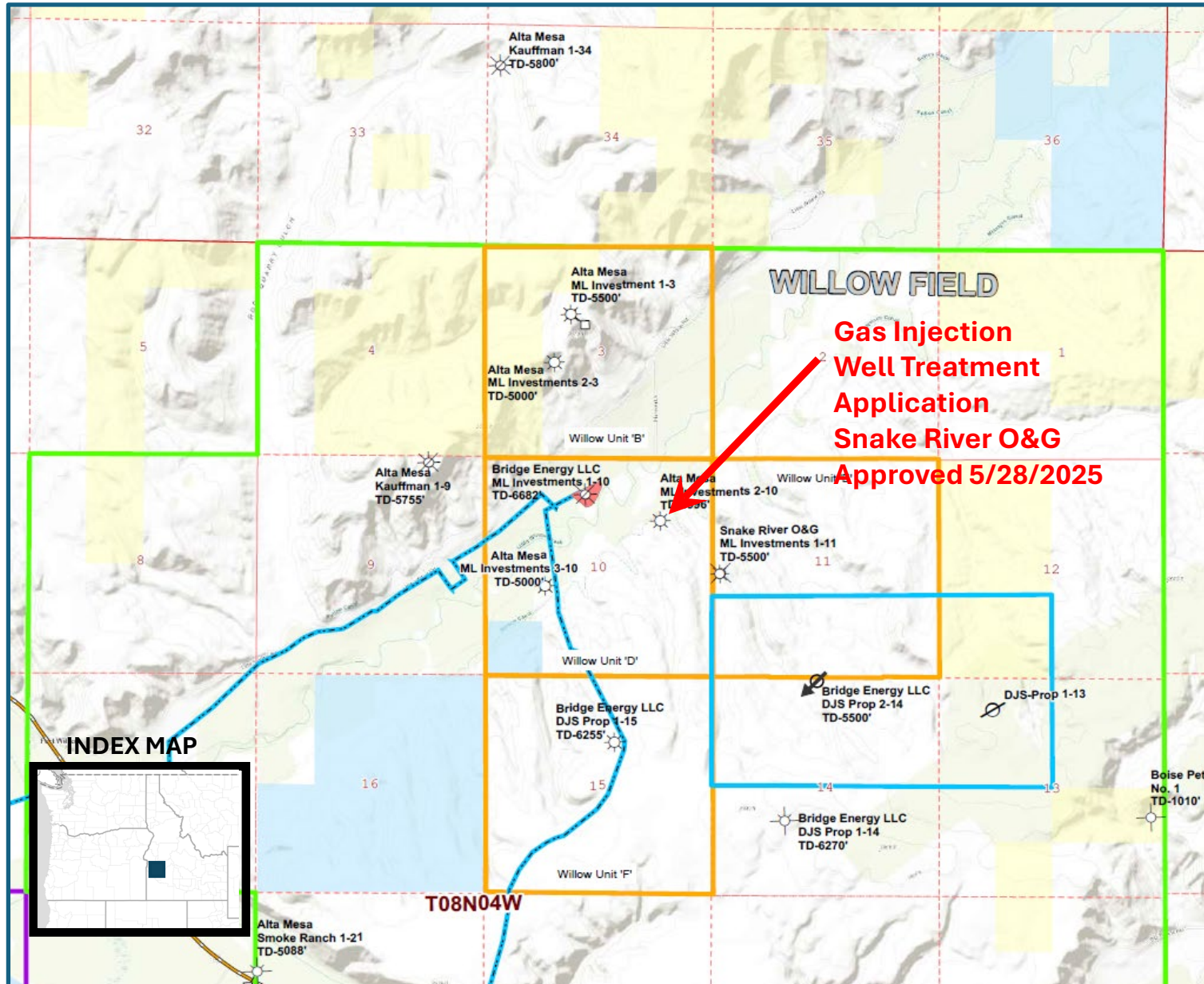
13.4 BWD

(Barrels of Water per Day)

2,470 Gal NGLs per Day

(Plant Volume)

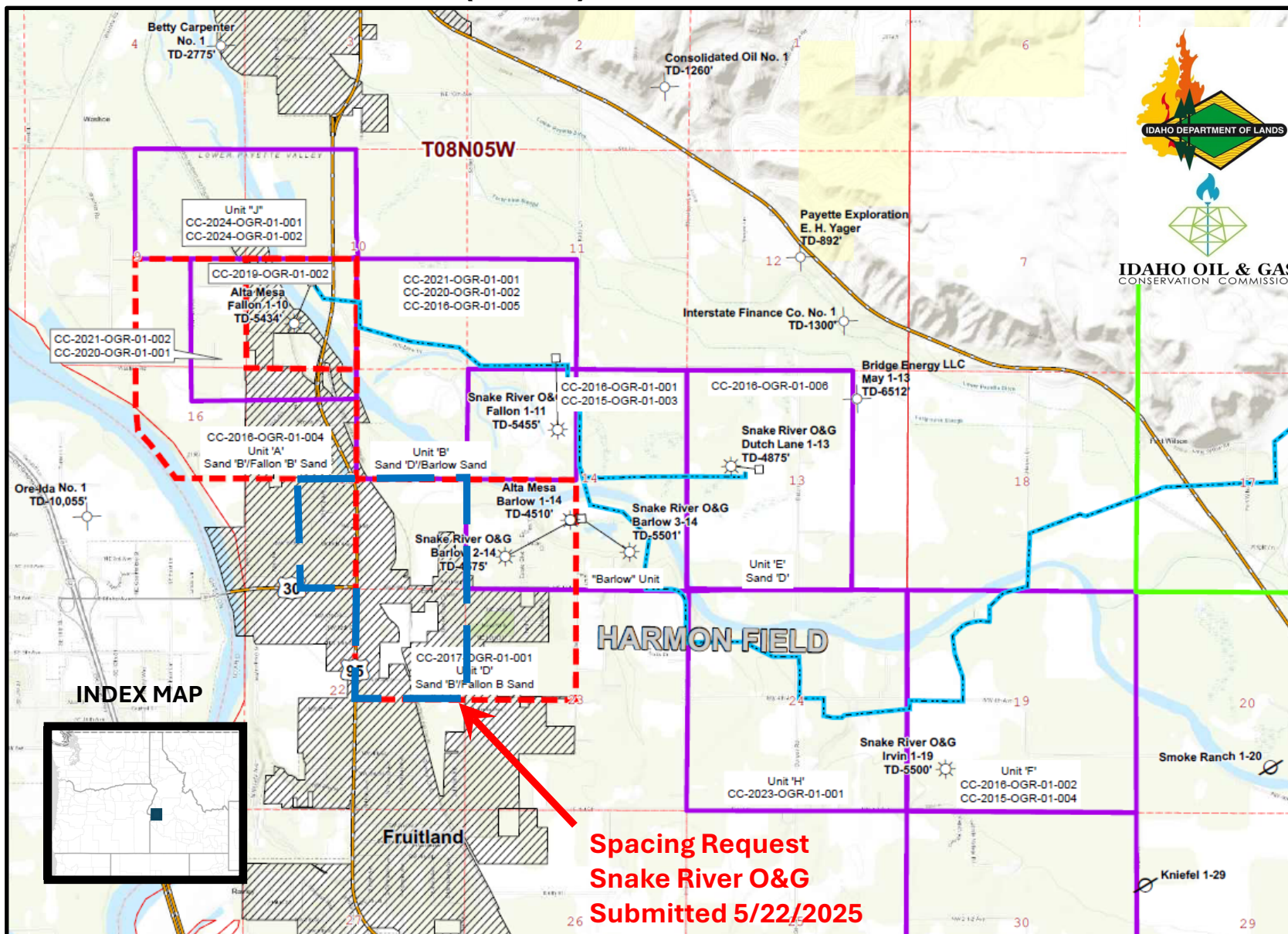
Western Snake River Basin (WSRB) – Willow Field Area



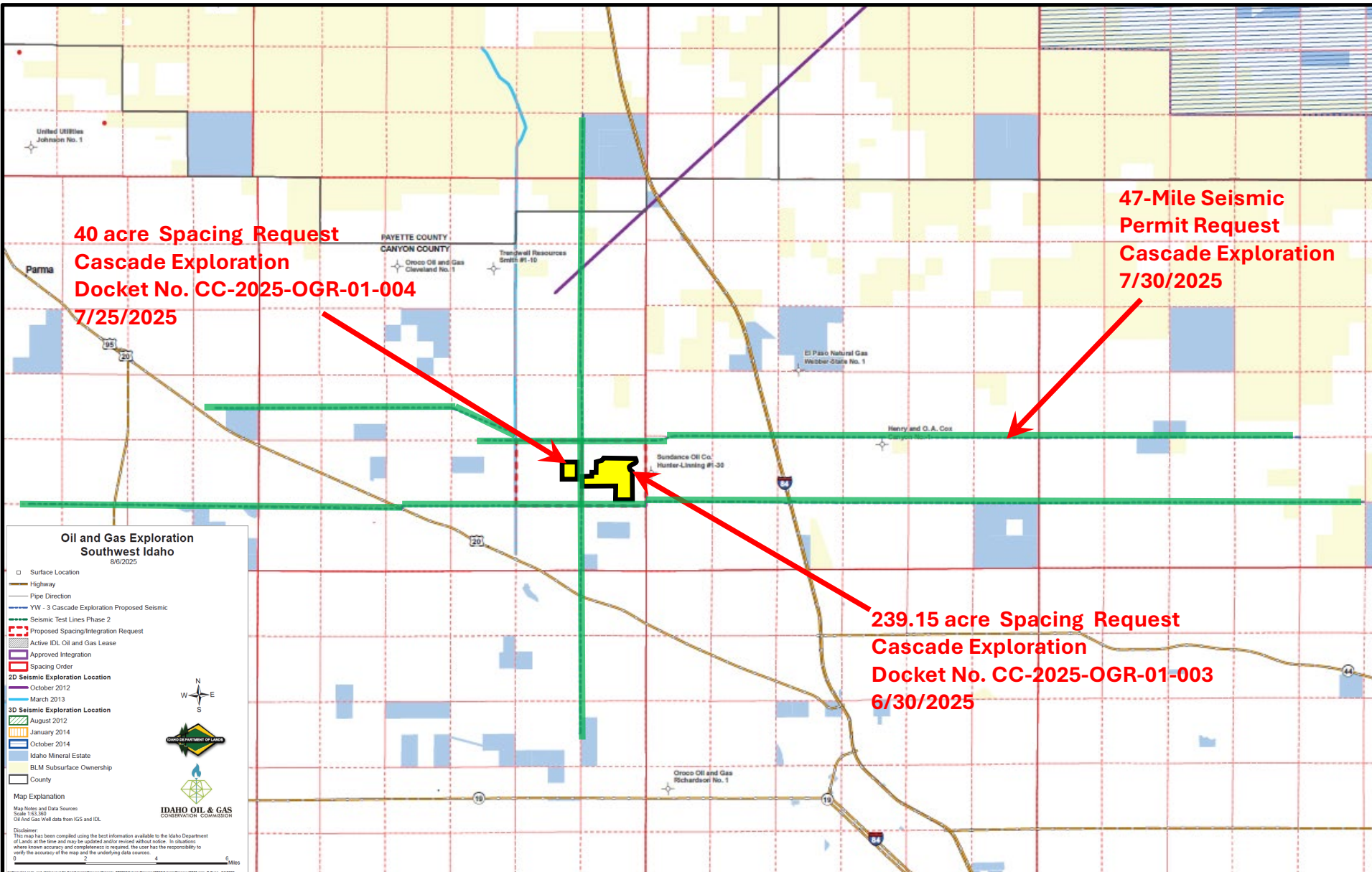
WILLOW FIELD

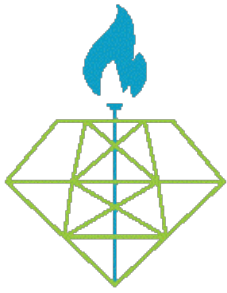
**Gas Injection
Well Treatment
Application
Snake River O&G
Approved 5/28/2025**

Western Snake River Basin (WSRB) – Harmon Field Area



Western Snake River Basin (WSRB) – Canyon County





Idaho Oil and Gas Conservation Commission

Ray Hinchcliff, Chair
Jennifer Riebe, Vice Chair
Margaret Chipman, Commissioner
Marc Haws, Commissioner
Mike Lyden, Commissioner

Shannon Chollett, Secretary to the Commission

Draft Minutes

Idaho Oil and Gas Conservation Commission Regular Meeting
May 14, 2025

The regular meeting of the Idaho Oil and Gas Conservation Commission was held on Wednesday, May 14, 2025, at State Capitol, House Hearing Room, (EW42), Lower Level, East Wing, 700 W Jefferson Street, Boise, Idaho. The meeting began at 1:34 p.m. (MT). Chairman Ray Hinchcliff presided. The following members were present:

Vice Chairman Jennifer Riebe
Commissioner Margaret Chipman
Commissioner Marc Haws
Commissioner Mike Lyden

For the record, a quorum was in attendance with Commissioners Chipman and Haws joining remotely. Secretary Chollett was not present at today's meeting, Program Manager James Thum stepped in as Acting Secretary.

Announcements

Chairman Hinchcliff introduced the new Commissioner, Mike Lyden and expressed thanks for him serving on the commission.

There was an approximate five-minute pause in the meeting due to technical difficulties.

Reports

1. Department Report – *Presented by James Thum, Oil & Gas Program Manager*
 - A. Financial Update
 - B. Current Oil and Gas Activity

There were no questions on the reports.

Consent – Action Item(s)

2. Approval of Minutes – February 18, 2025 – Regular Meeting (Boise)

COMMISSION ACTION: A motion was made by Vice Chairman Riebe that the Commission approve the meeting minutes. Commissioner Lyden seconded the motion. The motion carried on a vote of 5-0.

Background information was provided by the presenter indicated below. No Commission action is required on the Information Agenda.

Information

3. IDAPA 20.07.02 - Rules Governing Conservation of Oil & Natural Gas in the State of Idaho: Pending Rule before the 2025 Legislature – *Presented by James Thum, Oil & Gas Program Manager*
4. An Overview of Idaho's Western Snake River Plain Petroleum System and Its Hydrocarbon Potential – *Presented by Mark Barton, Petroleum Geologist, Idaho Geological Survey*

Regular – Action Item(s)

None

Executive

None

There being no further business before the Commission, at 2:44 p.m. a motion to adjourn was made by Vice Chairman Riebe. Commissioner Lyden seconded the motion. The motion carried on a vote of 5-0. Meeting adjourned.

Idaho Oil and Gas Conservation Commission

August 19, 2025
Information Agenda

Subject

Presentation: Hydrogen Exploration in Idaho

Background

In May 2025, the Department was contacted by staff members from Koloma, a hydrogen exploration company based in Denver Colorado. Koloma's subsidiary company, Cascade Exploration LLC (Cascade) was interested in exploring for natural (also known as geologic) hydrogen in the Western Snake River Plain basin and was seeking information on Idaho's regulatory processes.

Since the initial conversation the Department has met with Koloma / Cascade for further discussions. In June, Cascade filed a spacing request with the Department for a future stratigraphic test well in Canyon County. In July, Cascade filed an Application for Seismic Permit for a 47-mile 2D survey in Canyon County, and a second spacing request for an additional future stratigraphic test well.

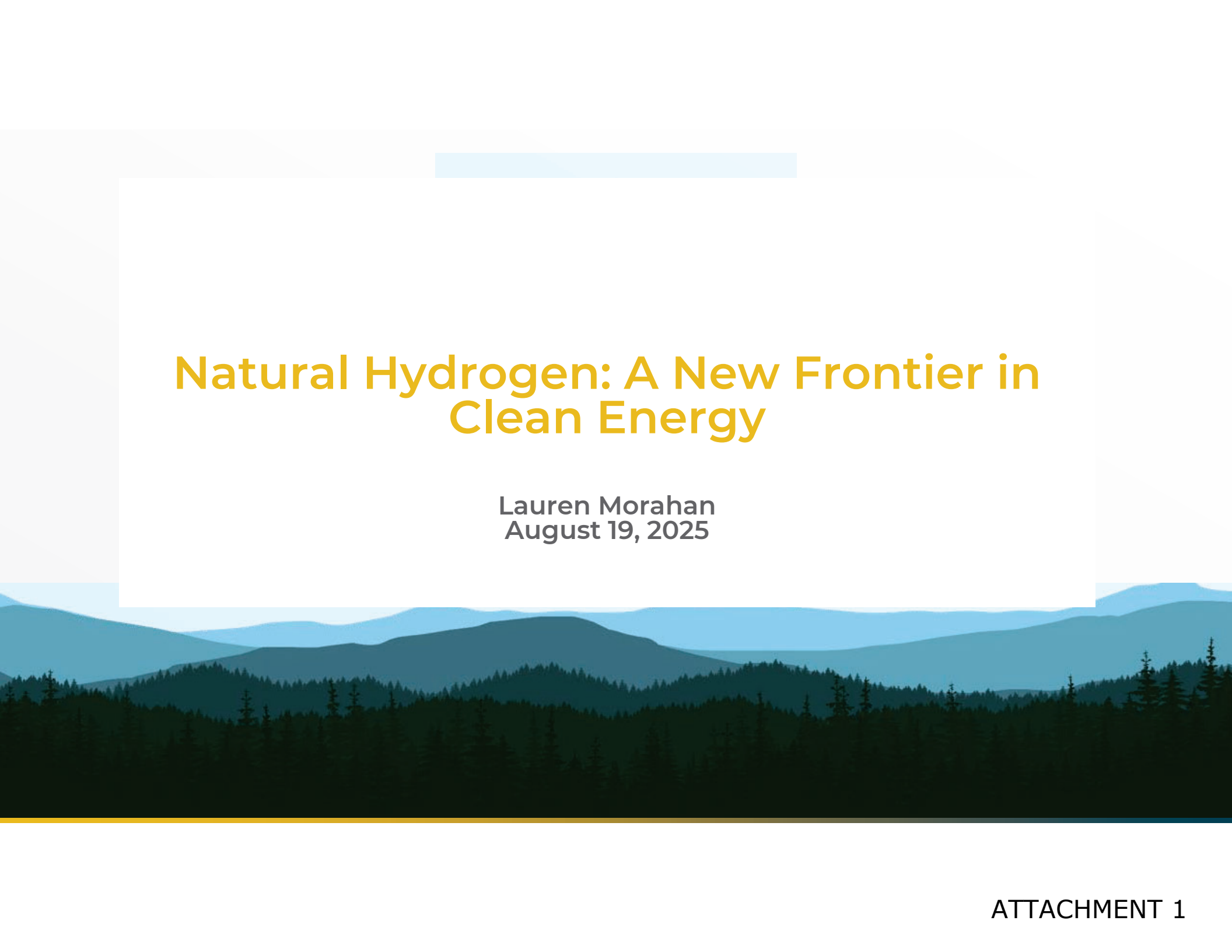
The seismic permit application is under review by the Department. The first spacing request is scheduled for a public hearing Thursday August 28, 2025. No date has been set for a hearing on the second spacing request.

Discussion

Lauren Morahan, Senior Regulatory & Permitting Coordinator for Koloma will be presenting a brief overview of the company, background on their exploration efforts in Idaho, and an approximate timeline for future activities here.

Attachment

1. PowerPoint Presentation – Natural Hydrogen: A New Frontier in Clean Energy

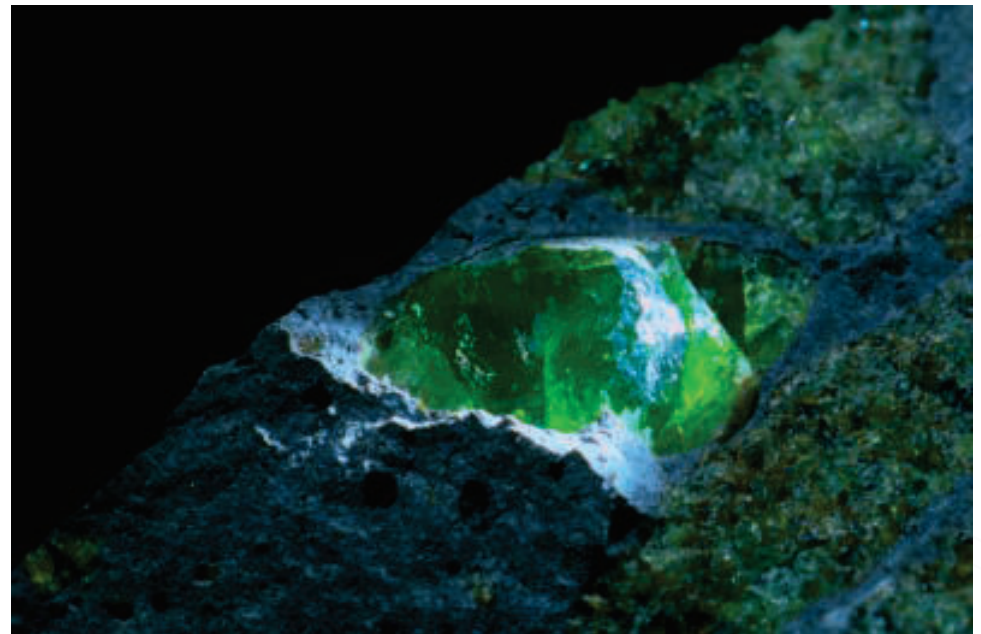


Natural Hydrogen: A New Frontier in Clean Energy

Lauren Morahan
August 19, 2025

What is Natural Hydrogen

- Naturally occurring molecular hydrogen (H_2) found underground
- Produced by continuous geological processes
- Extracted similarly to natural gas
- Potential for low-cost, low-emission, high value hydrogen

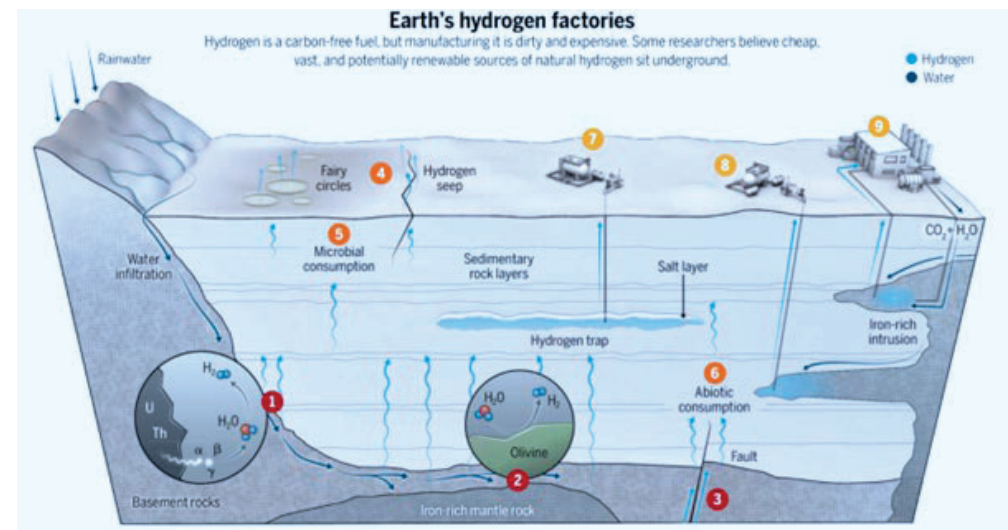


How is Natural Hydrogen Formed?

10+ Pathways naturally and continuously form Hydrogen underground

Examples:

- **Water-Rock Reaction** – Water reacts with iron-rich rocks, producing hydrogen and rust
- **Organic Fermentation** – Natural microbes break down oil or natural gas into hydrogen and carbon
- **Thermal Decomposition of Oil** – Heating of oil or natural gas can release hydrogen



How is Natural Hydrogen Extracted?



- Similar to hydrocarbon oil & gas extraction
- Wells are drilled into underground targeting hydrogen reservoirs
- The gas is captured, purified, and distributed
- No need for carbon-intensive processing

Comparing Hydrogen Production Methods

Production Method	Process	Emissions	Cost	Common Uses
Steam Methane Reforming (Gray/Blue Hydrogen)	Converts methane to hydrogen + CO ₂	High (unless carbon capture is used)	Low/Medium	Industrial, refining, ammonia production
Electrolysis (Green Hydrogen)	Uses electricity to split water	None (if renewable energy is used)	High	Clean energy storage, fuel cells
Thermochemical Processing	Uses heat to break down biomass or fossil fuels	Medium	Medium	Power generation, transportation
Natural Hydrogen (GH₂)	Extracted from existing underground reservoirs	Very Low	Low	Power generation, fertilizer, energy production, transportation

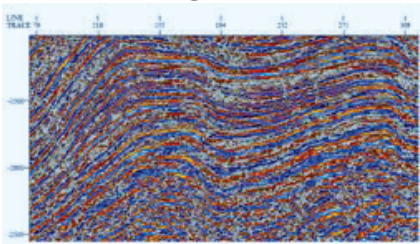
Exploring for Natural Hydrogen

- **Geologic Study** – Analyze subsurface data (seismic surveys, well logs)
- **Stakeholder Engagement** – Work with landowners, counties, regulators
- **Drilling & Testing** – Core sampling, production testing, appraisal drilling
- **Development Drilling** – Reservoir assessment and characterization, followed by infill drilling
- **Long-Term Production**



Exploring for Natural Hydrogen

Geologic Studies



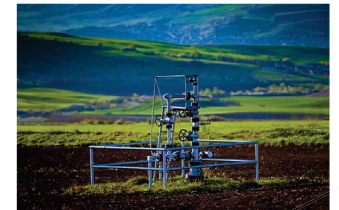
1-2 Years

Drill, Test, Appraise



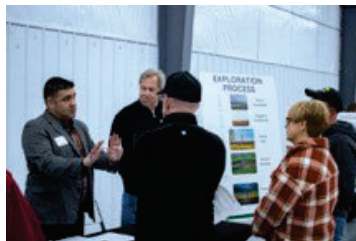
1-3 Years

Long-Term Production



20+ Years

Land and Regulatory



1-3 Years

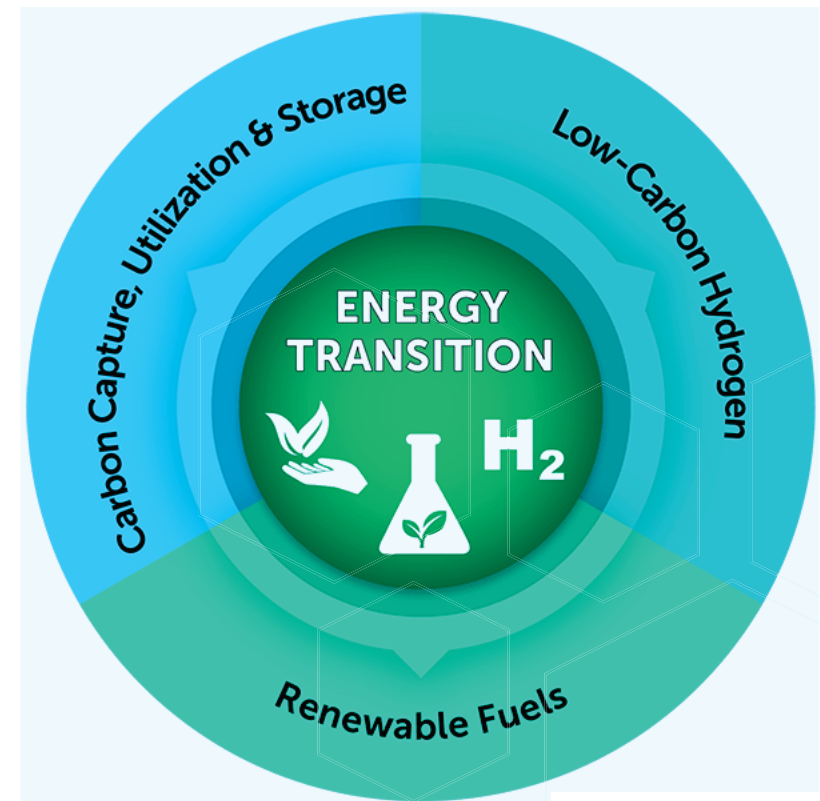
Development Drilling



2-4 Years

Hydrogen's Role in Energy Transition

- **Decarbonizing hydrogen production** – Low-emission alternative.
- **Supporting hard-to-decarbonize sectors** – Steel, cement, fertilizers, chemicals, power.
- **Cost-effective hydrogen supply** – Potentially lower cost than green hydrogen.



Hydrogen End-Use Cases



- **Heavy Industry** – Steelmaking, chemical production, refining.
- **Power Generation** – Hydrogen-fired turbines, backup energy storage.
- **Long-Haul Transport** – Hydrogen-powered trucks, trains, ships.
- **Sustainable Aviation Fuels (SAF)** – Hydrogen-based jet fuel.
- **Fertilizer**: Ammonia and UAN/urea production from Hydrogen and air

Idaho Oil and Gas Conservation Commission

August 19, 2025

Regular Agenda

Subject

Election of Chairman and Vice Chairman

Background

As per Idaho Code § 47-314(2):

"The commission shall annually elect a chairman and a vice chairman from its membership. Such officers shall hold their respective offices until their successors are elected. If a vacancy occurs in either office, the commission shall elect a member to fill such office for the remainder of the term."

Discussion

The Oil and Gas Conservation Commission (Commission) shall annually elect two members to serve as Chairman and Vice Chairman. Historically, the Commission has elected officers in August for the following 12 months. The 2024 August meeting was rescheduled to October 2, 2024 where the Commission elected Ray Hinchcliff as Chairman and Jennifer Riebe as Vice Chairman to serve in their respective roles until August 2025.

The elected Chairman and Vice Chairman will serve in their respective positions until August of 2026.

Recommendation

Direct the Commission to elect a Chairman and Vice Chairman.

Commission Action