



State of Idaho  
June, 2022

## Governor's Office of Energy and Mineral Resources

The Idaho Governor's Office of Energy and Mineral Resources (OEMR) is responsible for coordinating energy and mineral resource planning and policy development for the State.

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### Idaho Updates

#### Idaho Minerals

Phosphate is an essential ingredient in toothpaste, dishwasher soap and many other products. According to the U.S. Department of Interior Bureau of Land Management, Southeast Idaho mines 22% of the nation's supply and 4% of the world's phosphate needs. [Minerals in the BLM Idaho Falls District](#)

#### Hybrid and Electric Vehicles

Idaho benefits from electric vehicles in many different ways to include growth in providing employment in mineral production and conducting research at Idaho National Laboratory. [How Does Idaho Benefit from EV's?](#)

### Brainteaser:

#### How well do you know Idaho energy?

*Answer three energy trivia questions to get your day off to a good start.*

1) Idaho has one ethanol plant with a production capacity of 60 million gallons per year. How many gallons of ethanol does the state consume annually?

- A) 92 million
- B) 80 thousand
- C) 82 million
- D) 15 million

2) Hydropower is one of the oldest power sources on the planet. It was used by Greeks to grind grain. Every state uses hydropower for electricity. How many hydropower facilities are in Idaho today?

- A) 114
- B) 56
- C) 78
- D) 12

3) Idaho has substantial wind energy potential in the Snake River Plain. Today, the region hosts 541 wind turbines with a total capacity of 973 megawatts (the same size as a major coal plant.) What share of in-state electricity does wind generate in Idaho?

- A) 40%
- B) 11%
- C) 15%
- D) 48%

*\*Answers are listed on the bottom of this newsletter.*

## Renewable Energy

Jackpot Solar will provide energy to Idaho Power through a 20-year power purchase agreement. The solar project is expected to employ over 200 workers at peak construction.

[Construction Commences on Idaho's Largest Solar Project.](#)



## Energy Efficiency

The Department of Energy is currently considering new energy conservation standards for manufactured housing. Single-section manufactured homes would be subject to less stringent building thermal envelope requirements compared to multi-section manufactured homes. The effective date of this rule is August 1, 2022.

[New Energy Conservation Standards for Manufactured Housing](#)

## Nuclear Energy

A lead fusion scientist at the U.S. Department of Energy's Idaho National Laboratory is researching the management of tritium, a popular fuel that many fusion start-ups are pursuing. Fusion is a nuclear reaction when two lighter atomic nuclei are pushed together to form a single heavier nucleus, releasing massive amounts of energy. [Idaho National Laboratory continues to research nuclear](#)

## Energy Outlook

The U.S. Energy Information Administration has released a short-term outlook on the energy industry for the month of June. The report looks at estimated crude oil prices, a forecast in natural gas prices and consumption, predictions on electricity generation from renewable energy sources and coal, the expected electricity prices in the United States by industry and a forecast on energy-related carbon dioxide emissions in the United States.

[View the full report here.](#)

- EIA expects retail gasoline prices to average \$4.27 per gallon in Q3 2022, with retail diesel averages at \$4.78 per gallon in Q3 2022.
- Natural gas prices are rising mainly because natural gas inventories are below the five-year average, there is stable demand for U.S. liquefied natural gas (LNG) exports, and a high demand for natural gas from the electric power sector. For 2023, EIA forecasts that natural gas consumption will be about the same as 2022.
- EIA predicts renewable energy will provide 22% of U.S. electricity generation in 2022 and 24% in 2023. With the continued retirement of coal-fired generating capacity in the United States, EIA predicts generation from coal will decline to 21% in 2022 and to 20% in 2023.
- Below find the expected average electricity price in August 2022 for various property industries in the United States:
  - Residential-14.6 cents/kWh (increase of 4.8% from summer 2021)
  - Commercial-12.0 cents/kWh (increase of 4.7% from summer 2021)
  - Industrial- 7.7 cents/kWh (increase of 3.2% from summer 2021)
- US coal production is expected to decline 2.1% in 2023.
- Energy-related carbon dioxide emissions in the United States is expected to increase 1.3% in 2022 (due to growth in transportation demand) and decrease by .7% in 2023.



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## **Welcome Richard Stover as Administrator of the Office of Energy and Mineral Resources**

Richard Stover has been serving as Senior Counsel for Government Relations at Boise State University. As an attorney, Richard served as a shareholder and vice president of a local law firm that dealt with environmental and regulatory matters for private businesses. He has handled natural resource issues for Governor Batt and Governor Kempthorne in the past and is looking forward to working with stakeholders and the OEMR team regarding Idaho's energy and mining priorities. "I am honored to be back serving the people of Idaho and I look forward to helping shape the future of energy and mining in Idaho." Stover said. Select the [link](#) for more information on Richard.

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### **OEMR meets with the Mining Delegation from Africa**

Through the U.S. Department of State's International Visitor Program, Global Ties Idaho, invited a delegation of African leaders to Idaho to discuss sustainability and the extra active industry. Delegates came from Congo, Ghana, Kenya, Sierra Leone, Uganda and Mozambique. OEMR had the opportunity to meet with each leader to discuss energy transition to local economics and the role the National Environmental Policy Act (NEPA) plays in our regulatory process.



Refer to the link for more information regarding [Global Ties Idaho](#).

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## **Monthly Tips to Save Money on Your Commute!**

Here are a few simple conservation tips that should save you money on your commute.

1) Aggressive driving can lower your gas mileage by 15% to 30% at highway speeds and 10%-40% in stop-and-go traffic.

2) Gas mileage usually decreases rapidly at speeds above 50 mph. One can assume each 5 mph an individual drives over 50 mph is like paying an additional \$.31 per gallon for gas.

3) Avoid keeping unnecessary items in your vehicle. An extra 100 pounds in your vehicle could reduce your mpg by about 1%.

4) Idling can use a quarter to a half gallon of fuel per hour. Turn off your engine when your vehicle is parked.

\*Use the [trip calculator](#) on the Department of Energy's website to gauge how much gasoline you may be spending on your next commute, regardless if it is a road trip or your average daily commute.

[Gas Mileage Tips - Driving More Efficiently \(fuelconomy.gov\)](#)

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## **Announcing New Interest Rates and Flexible Payment Plans for The State Energy Loan Program!**

The Idaho Governor's Office of Energy and Mineral Resources (OEMR) State Energy Loan Program offers low-interest loans to develop energy projects for homes and businesses located within Idaho. OEMR is offering reduced interest rates and flexible payment plans. See more information on OEMR's website link below.

Link: [State Energy Loan Program – Energy and Mineral Resources \(idaho.gov\)](#)



Join us for the

# IDAHO ENERGY INFRASTRUCTURE SUMMIT

July 12th, 8:30-12:00 pm  
Idaho State Capitol, Lincoln Auditorium  
and on Idaho Public Television

The Governor's Office of Energy and Mineral Resources and the Idaho National Lab will host the Idaho Energy Infrastructure Summit to discuss opportunities included in the Bipartisan Infrastructure law.

For more information, please visit  
<https://oemr.idaho.gov/>



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Join us at the Idaho State Capitol and on Idaho Public Television on July 12th from 8:30 am- 12:00 pm. OEMR and the Idaho National Lab will host the Idaho Energy Infrastructure Summit to discuss opportunities included in the Bipartisan Infrastructure. Please find an agenda in the following [link](#).

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## **EV Action in Idaho**

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## **Idaho's EV Charging Efforts**

The Idaho Transportation Department recently announced the National Electric Vehicle Infrastructure (NEVI) Program. The initiative is to fund strategically placed charging stations across the country to create a network for cross-country travel for electric vehicles. For more information please visit the Idaho Transportation Department's [website](#).

The Idaho EV Stakeholder Group will be holding public meetings throughout June and July to discuss Idaho EV charging efforts throughout the state. The group is interested in receiving the public's comments on where charging stations should be built. Below please find a schedule of the group's upcoming meetings.

### **Lewiston**

June 28th @ 12:00 PM  
Lewiston Public Library

### **Coeur d' Alene**

June 29th @ 12:00 PM  
ITD District 1 Office

### **Garden City**

July 6th @ 5:00 PM  
Garden City City Hall

### **Virtual Public Meeting**

July 13th @ 11:00 AM  
[Register](#) in advance for this meeting

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## **Clean Water Act**

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The Federal Water Pollution Control Act was established in 1948 to address water pollution. In 1972, the Act was amended to the Clean Water Act. The most recent modification to the Act includes the proposed Water Quality Certification Improvement Rule under Section 401, which authorizes states, territories, and authorized tribes to utilize congressional authority to protect water resources while supporting infrastructure projects that create jobs and encourage economic development.

### **Virtual Meeting for States and Territories:**

June 22nd 1:00 PM MST  
June 28th 1:00 PM MST

### **Virtual Meeting for Public Outreach and Engagement:**

July 18th 9:00 AM, 12:00 PM and 3:00 PM

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## **Federal Funding Opportunities**

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OEMR staff track and monitor energy related federal funding opportunities and post notifications to [our website](#). Please contact OEMR with questions regarding the following federal funding opportunities.

- [\\$60 million for Second-life Applications for Batteries](#)
- [Exploring Place-Based Energy Generation](#)
- [Geothermal Heating and Cooling Technologies at Federal Facilities](#)
- [Accelerating Technologies for Energy-Efficient Water Treatment](#)
- [\\$3.16 Billion from Bipartisan Infrastructure Law to Boost Domestic Battery Manufacturing and Supply Chains](#)
- [DOE Searching for Nuclear Energy Partners to Connect with Communities](#)
- [USDA Rural Energy Pilot Program](#)
- [\\$12.2 Million Available for Innovations in LED Technology](#)
- [Registration is Open for the National Community Solar Partnership \(NCSP\)](#)

For additional funding opportunities please visit the [DOE Energy Efficiency and Renewable Energy Office's Funding Opportunity Exchange](#) , [USDA Funding Opportunity websites](#) and the [Local Infrastructure Hub](#), a national program to ensure all cities and towns can access federal infrastructure funding

### **Recent Articles**

["Idaho Power is pulling out of coal, with a plan to exit 50-year-old Wyoming plant."](#) (Idaho Statesman)

["Save Money and Energy at Home While on Vacation."](#) (Department of Energy)

["Inside the U.S. Government Project to Create Tiny Nuclear Reactors Like Batteries."](#) (CNBC)

["Pacific Northwest Plan Calls for 3.5 GW of Renewables, more Energy Efficiency by 2027."](#) (Utility Dive)

["Idaho Senator Joins Efforts to Increase US Energy Production."](#) (Idaho Business Review)

["Integra Drills Record Silver Grades at DeLamar Project in Idaho."](#) (Mining.com)

["The United States Department of Energy Expands SolSmart Program to Deploy More Solar Energy to Underserved Communities."](#) (U.S. Department of Energy)

["DOE Launches Grid Interconnection Initiative to Cut "Gridlock" Hampering Clean Energy Progress."](#) (Utility Dive)

["Biden-Harris Administration Launches Initiative to Modernize Building Codes and Reduce Energy Costs."](#) (The White House)



## Meet OEMR Staff

Richard Stover- Administrator

George Lynch-Legal Counsel/Minerals Program Manager

Marissa Warren- Energy Program Manager

Tammy Japhet- Financial Manager/Loan Program

Amanda Galvez- Fiscal Specialist

Emily Her- Policy Analyst

Alexa Bouvier- Policy Analyst

Andrew Mentzer- Policy Analyst

Brenna Garro- Policy Analyst

## OEMR Programs

OEMR offers the following programs:

### **Energy Efficiency Awards**

*\*Application Period is Now Closed*

Idaho Awards for Leadership in Energy Efficiency – Energy and Mineral Resources

### **Government Leading By Example**

*\*Application Period is Now Closed*

Government Leading by Example – Energy and Mineral Resources (idaho.gov)

### **State Energy Loan Program**



*\*Reduced interest rates and flexible payment plans are now available. Apply today!*

[State Energy Loan Program – Energy and Mineral Resources \(idaho.gov\)](#)

## **Electric Vehicle Supply Equipment Program (EVSE)**

[Electric Vehicle Supply Equipment \(EVSE\) Program – Energy and Mineral Resources \(idaho.gov\)](#)



### **Answers to the Brainteaser:**

- 1) C- 82 million gallons of ethanol is consumed in Idaho annually.
- 2) A- There are 114 electricity generating hydropower facilities in Idaho. Together these facilities have the capacity to produce over 3,000 megawatts of electricity.
- 3) C- Wind generates 15% of Idaho's in-state electricity, enough to power 224,000 homes!

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