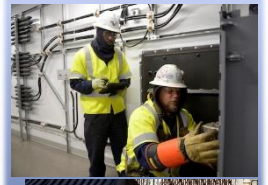
2024 Southeast - Western LAMPAC

October 1 - 3, 2024 Nashville TN

Donnie Colston: Director, Utility Department

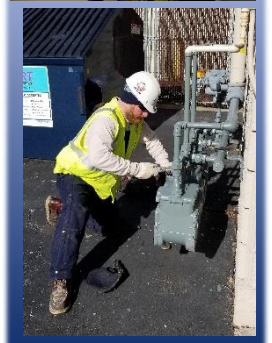


IBEW International President

"Historic legislation like the Bi-partisan Infrastructure Act, the CHIPS and Science Act, and Inflation Reduction Act are driving trillions of dollars of investment into construction, utilities, and manufacturing. And that means millions of new union jobs thanks to the protections the IBEW fought so hard for. There is no better time than now to accelerate organizing as we push to reach one million members."

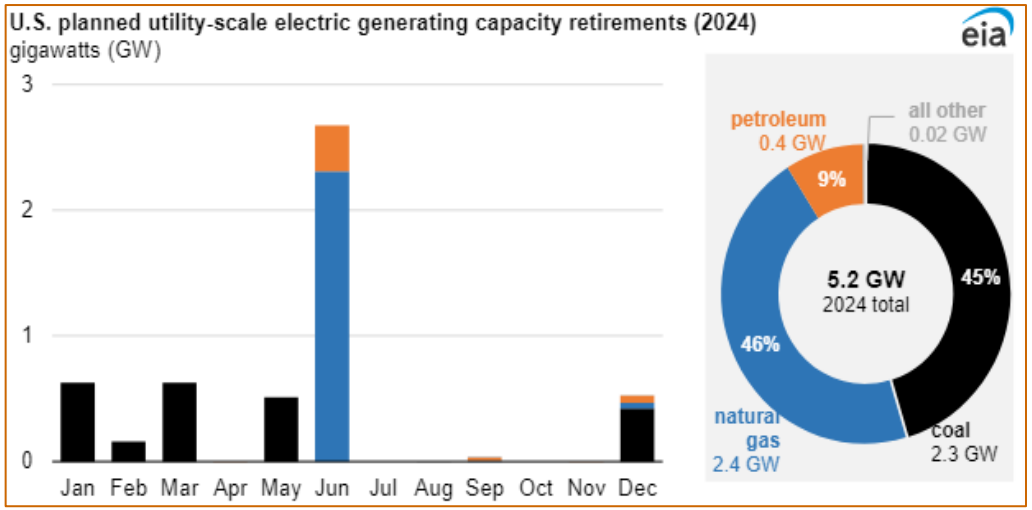
Kenneth W. Cooper
International President

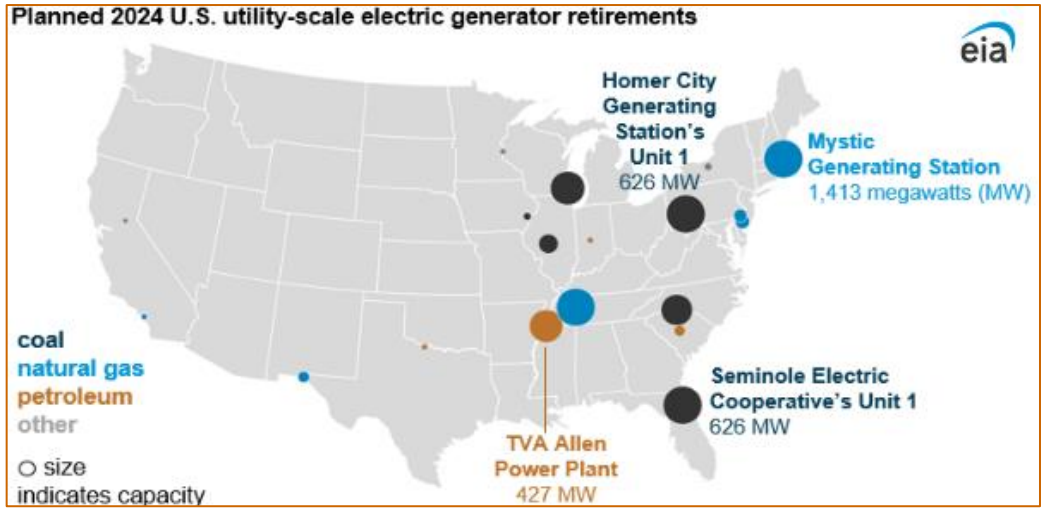
INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS



Industry Transition

US power use to reach record highs in 2024 and 2025 - EIA





Fossil Fuel

- 60% of electric generation
- Natural Gas 43% (+4%)
- Coal 16.2% (-3%)
- All other 1% (-5%)

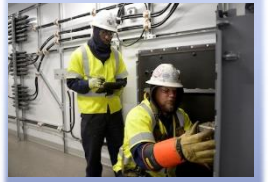
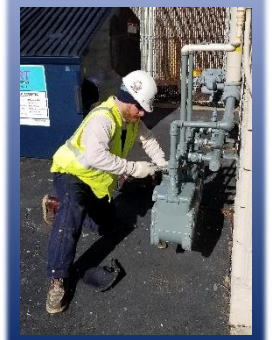
Nuclear

- 18.6% (+.4%) electric generation
- 95 reactors
- 54 plants in 28 states
- Vogtle largest site, 4 reactors (4658 MW Capacity)
- IBEW represents 65 reactors

Renewables

- Provide 21.4% (+4%) of electric generation
- Wind 10.2 %
- Hydropower 5.7% (-.5%)
- Solar 3. 9% (+.5%)
- All other 6%

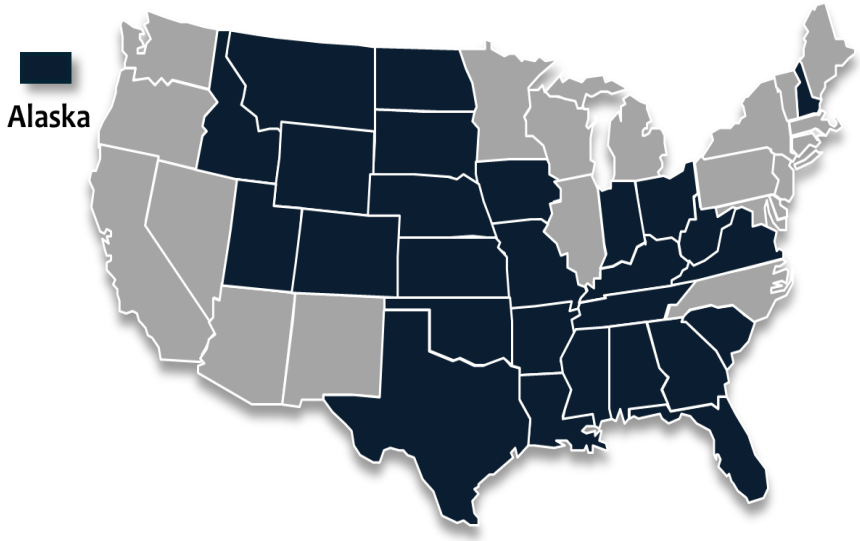
INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS

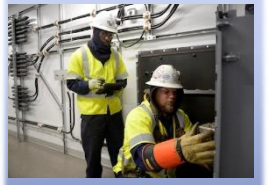
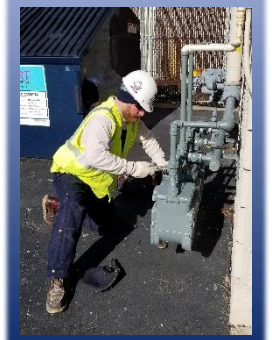
Environmental Protection Agency (EPA)

- **Clean Air Act**
  - Clean Air Act 1970
- **Section 111, U.S. Code 7411**
  - (b) List of categories of stationary sources; standards of performance; information on pollution control techniques; sources owned or operated by United States; particular systems; revised standards
  - (d) Standards of performance for existing sources; remaining useful life of source
- **Proposed Rule; May 11, 2023**
  - Set limits for new gas-fired turbines, existing coal, oil and gas-fired steam generating units
- **EPA final rule**
  - May 9, 2024
- **Best System of emission reductions**
  - Shut down, install carbon capture and storage, co-fire with hydrogen or operate less often
- **Adequately demonstrated**
  - Carbon capture, sequestration, and hydrogen
- **Major question doctrine**
  - WV vs EPA
- **Impact on IBEW**
  - Over 700 fossil fueled power plants
  - Direct jobs affected 273,000

Coalition of U.S. States sue EPA



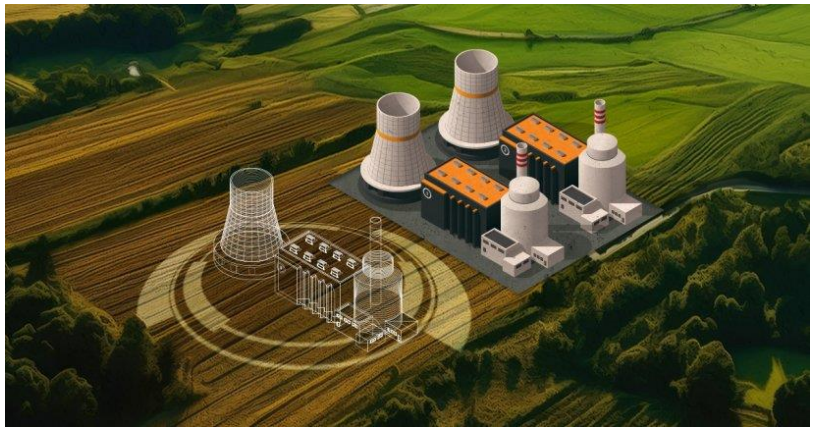
Attorneys general in 25 states have sent an emergency appeal to the Supreme Court asking it to immediately halt an EPA rule that they say threatens to shutter the country's remaining fleet of coal-fired power plants.

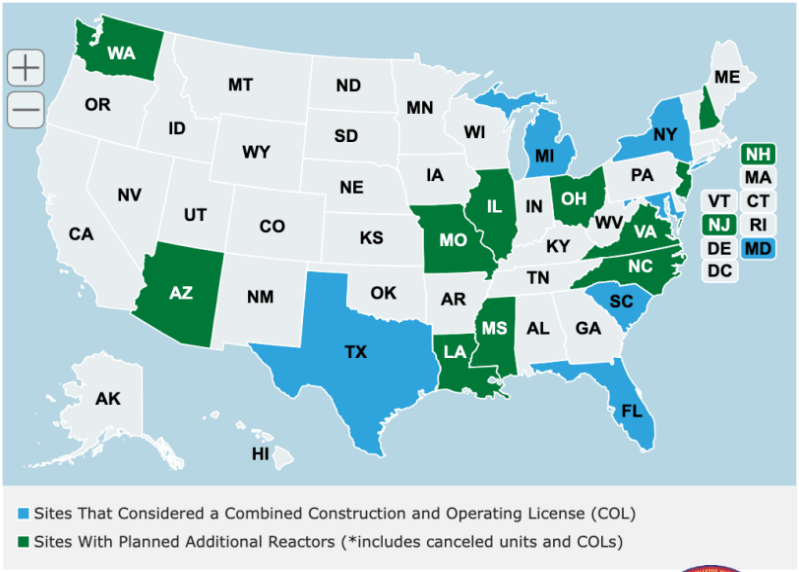
Nuclear: Leading Clean Energy Generation

U.S. Department of Energy (DOE)

- **DOE estimates additional 200 GW of nuclear capacity by 2050 needed.**
  - Demand for electricity to rise over next decade
  - Data centers, Artificial Intelligence, electric vehicles, industrial manufacturing
- **Leveraging existing nuclear and retired nuclear sites.**
- **54 operating and 11 retired nuclear power plant sites in 31 states.**
- **Potential to install 95 GW of new capacity.**
- **Nuclear Regulatory Commission issued combined construction and operating licenses for eight large reactors that were not used.**
- **145 retired coal sites in 36 states are suitable for nuclear repowering; potential of up to 170 GW.**

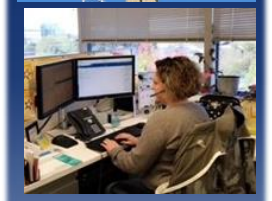


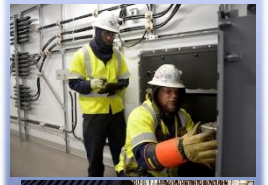
Graphic illustrating new nuclear capacity



Sites with planned reactors or permits

INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS





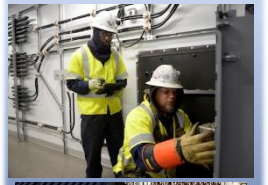
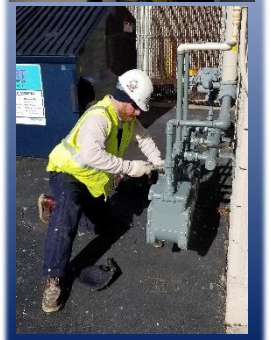
Legislative Agenda

- Utility generation transition
- Blue collar IBEW jobs
- Carbon Capture Sequestration
- Hydrogen
- Maintain existing nuclear fleet
- Restore retired nuclear
- Small Modular Reactors
- High-Assay Low-Enriched Uranium (HALEU)
- Build out Transmission
- Renewable Energy build out
- Broadband
- Advanced manufacturing

Nine Mile Point Nuclear Station / Hydrogen

Petro Nova Carbon Capture Plant

INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS

Thank you for your time

International Brotherhood of Electrical Workers
CONSTITUTION

OBJECTS

The objects of the International Brotherhood of Electrical Workers are:

- **To organize all workers in the entire electrical industry in the United States and Canada, including all those in public utilities and electrical manufacturing, into local unions,**
- **To promote reasonable methods of work,**
- **To cultivate feelings of friendship among those of our industry,**
- **To settle all disputes between employers and employees by arbitration (if possibly),**
- **To assist each other in sickness and distress,**
- **To secure employment,**
- **To reduce the hours of daily labor,**
- **To secure adequate pay for our work,**
- **To seek a higher and higher standard of living,**
- **To seek security for the individual,**
- **And by legal and proper means elevate the moral, intellectual and social conditions of our members, their families and dependents, in the interest of a higher standard of citizenship.**