

---

# EPA's Greenhouse Gas Standards and Guidelines for Fossil Fuel-Fired Power Plants

Bryce Bird, Director  
May 15, 2024



UTAH DEPARTMENT of  
ENVIRONMENTAL QUALITY  
**AIR  
QUALITY**



# Greenhouse Gas Standards and Guidelines for Fossil Fuel-Fired Power Plants

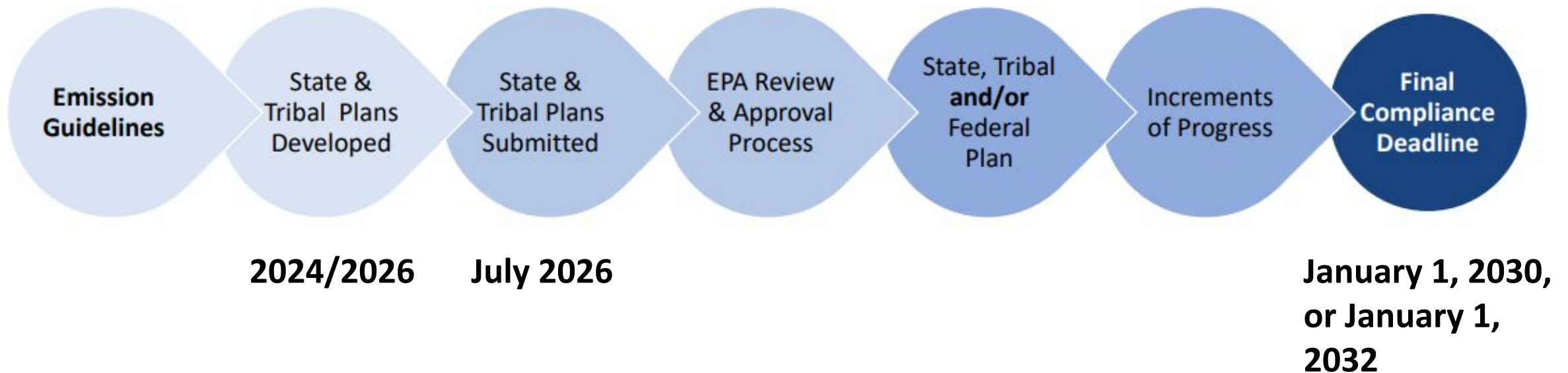
- TTTT - Standards for existing Electric Generating Units
- TTTTa - New or Modified EGUs
- UUUUb - State Designated Facility Plans



## Performance Standards

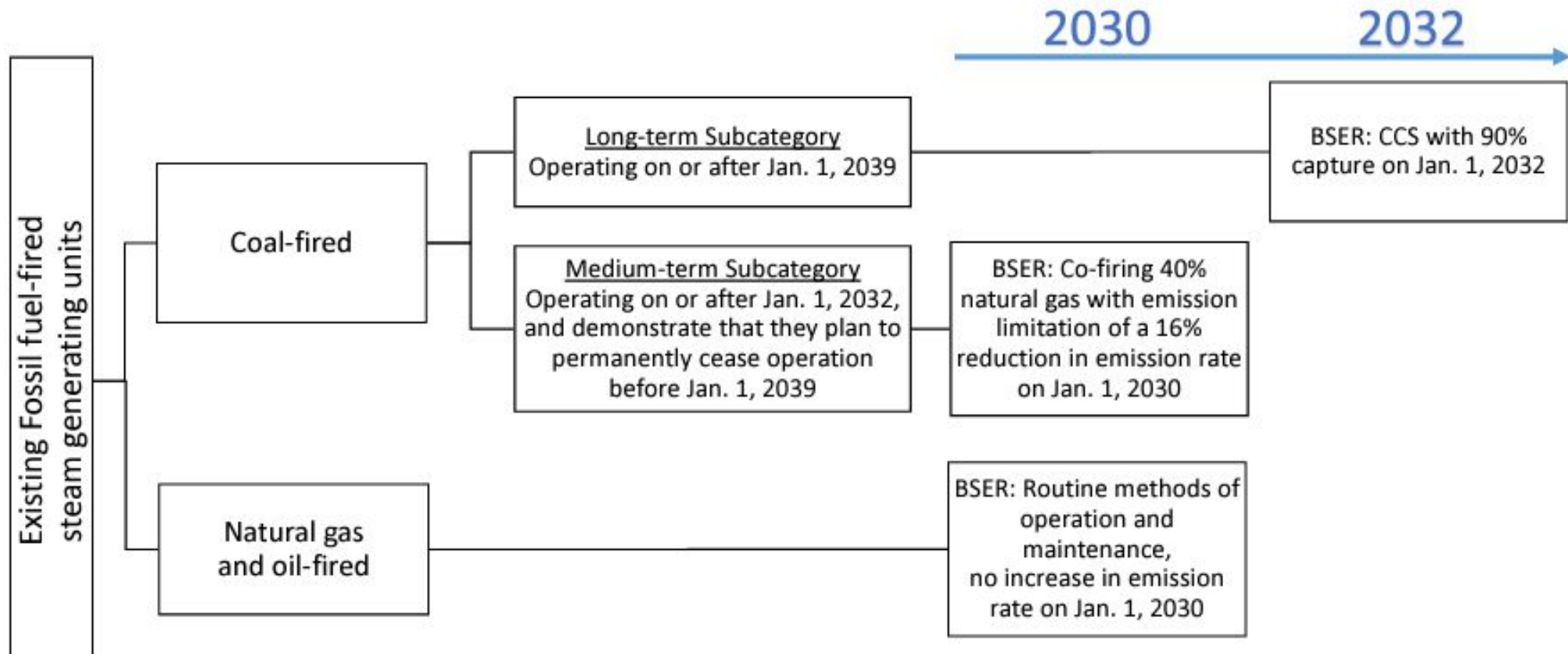
- New gas-fired combustion turbines
- Existing coal-fired steam EGUs
- Existing oil and natural gas-fired steam EGUs

# UUUUb - State Plan Timeline



# Emissions Guidelines for Steam EGUs

- Two subcategories for existing coal-fired units, depending on operating horizon: (1) Units operating on or after Jan. 1, 2039 and (2) Units that are operating on or after Jan. 1, 2032, and demonstrate they plan to permanently cease operation before Jan. 1, 2039
- Units that demonstrate they plan to permanently cease operations before Jan. 1, 2032 are not subject to these standards



# Final Standards for New Stationary Combustion Turbines

- Standards effective from date of proposal publication (May 23, 2023)
- Three subcategories: base load, intermediate load, low load
- Standards are technology neutral, affected sources may comply with it by co-firing hydrogen

