


# Monitoring Report SD-7 Environmental Stewardship


OPPD Board of Directors – All Committees Meeting  
October 15, 2024


Cliff Fleener, VP – Sustainability and Environmental Affairs


# SD-7\*: Therefore, OPPD Shall:


\*This report will review the current language of Resolution 3525, September 20, 2022; new language pending Committee recommendation


 Operate in an environmentally responsible manner and strive for continuous improvement of its environmental performance.


 Conduct all operations in a manner that strives for the goal of net zero carbon production by 2050.

 Conduct its business in a manner that meets all environmental regulatory standards and go beyond compliance where practical.

 Be transparent by measuring and reporting environmental performance on OPPD's website.

 Engage customers and stakeholders to promote energy conservation and efficiency and minimize environmental impact.

 Advocate and educate local, state, and federal governments to protect and promote OPPD's environmental impact.

 *By year end 2027, achieve an approximate 3,500,000 ton annual reduction in CO<sub>2</sub> emissions at the North Omaha Station site relative to OPPD's 2013 benchmark of 3,960,179 tons at the station.*



Operate in an environmentally responsible manner and strive for continuous improvement of its environmental performance.

# Green Teams

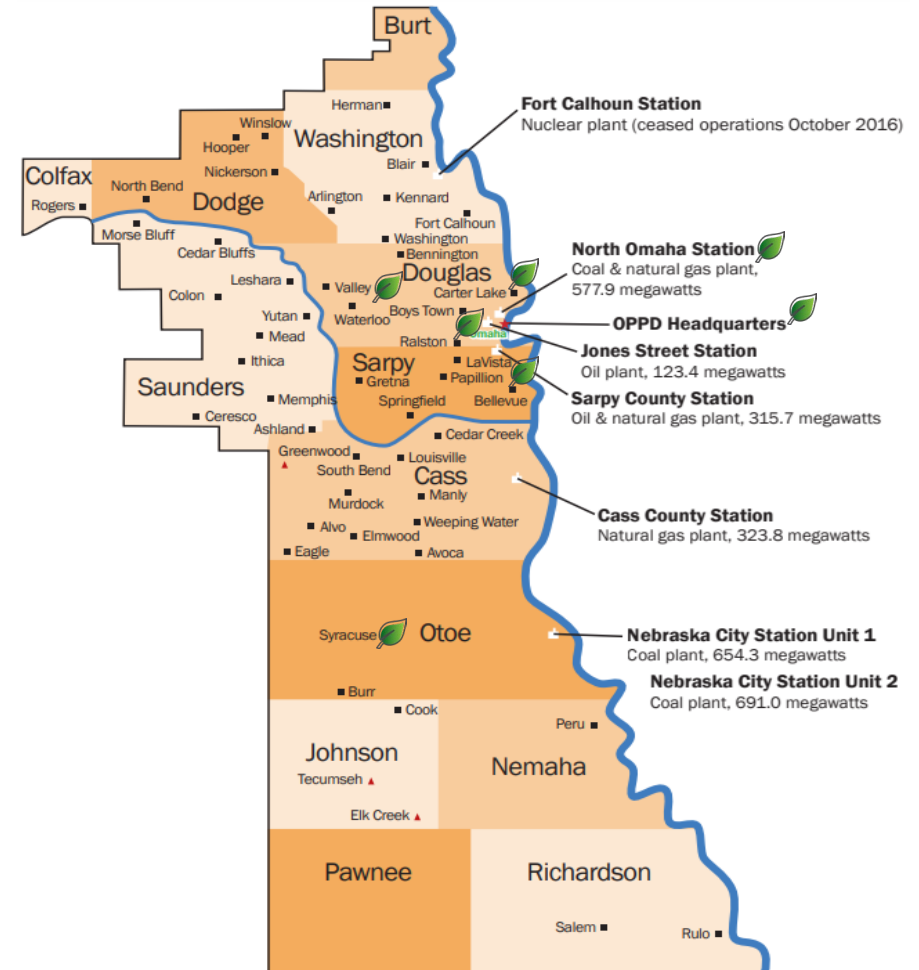
**WHAT ARE THEY?** An opportunity for team members to collaborate in the identification of sustainability improvement opportunities and to reduce associated costs.

Seven out of eight Green Teams have been established YTD.

They meet monthly to develop and implement programs to reduce costs associated with their site's electricity, water, combustion fuel, waste to landfill, etc., utilizing continuous improvement tools and resources.



Omaha Center Green Team





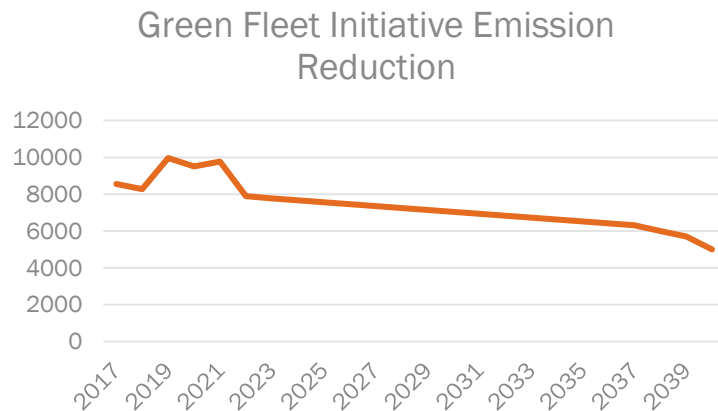
# Operate in an environmentally responsible manner and strive for continuous improvement of its environmental performance.

## Operational Scope 1 Carbon Goal: Mobile Vehicle CO2e Emissions

By 2040, reduce Scope 1 mobile source emissions by 40%.  
(3.6K Metric Tons Reduction)

### Green Fleet Initiative

- Vehicle feasibility study completed early 2024.
- New vehicle standard focused on transitioning away from gasoline towards a mix of electric, propane and diesel by 2040.
- Will result in an ~40% reduction in vehicle fleet CO2e emissions.



## Why the Green Fleet Initiative Matters

- Reduces Cost by ~\$1.3M
- Increases Efficiency

- Safer Environment
- Simplifies Maintenance - Reduces waste oil and frequency

- Systematic
- Measurable
- Supports Carbon Emission Goals



# Operate in an environmentally responsible manner and strive for continuous improvement of its environmental performance.

## Operational Goal: Waste Diversion Goal

By 2030, achieve a diversion rate of 40%.

2023 diversion rate: 21.78%

## Waste and Recycling Standard

- Feasibility study around OPPD's waste and recycling and the challenges with hard to recycle wastes (i.e. tires, wooden reels, ceramics)
- Began recycling with new recycling vendor September 1, 2024.
- Partnered with a mobile waste compactor to reduce OPPD's waste hauls by half.

## Water Initiative

- Replacing water coolers with permanent RO filtered water stations at Centers and Generation.
- YTD has eliminated 285 5gal PET jugs.



**RECYCLING**

Aluminum, paper and cardboard

Scan this QR code to learn more about OPPD's effort on eliminating plastic and why we are no longer recycling plastics. Hard plastics, such as plastic bottles, should be thrown into the waste bins.

**NO** liquids or food

**NO** soiled paper

**NO** plastics

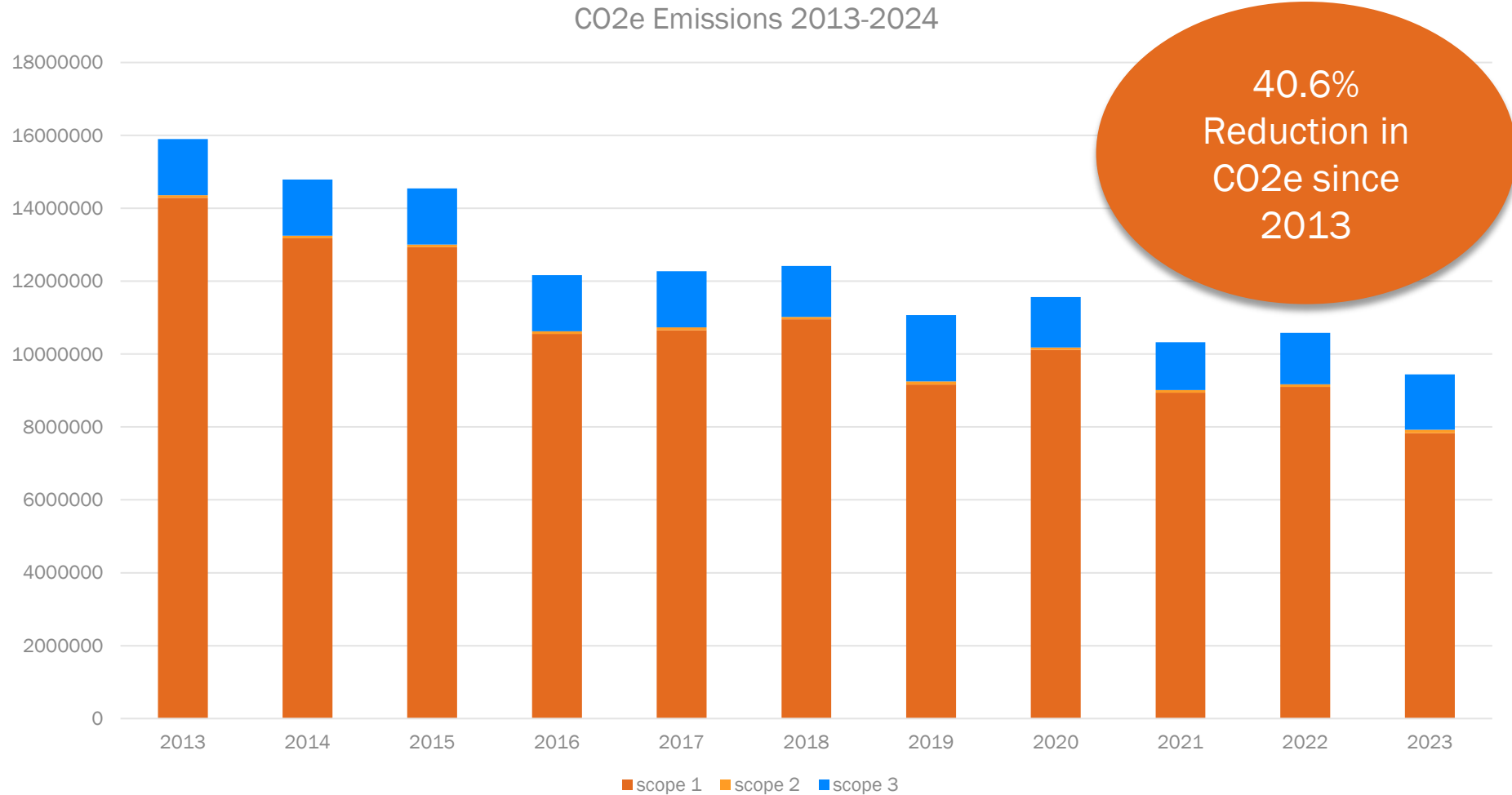
**OPPD** Omaha Public Power District

Supporting a company-wide commitment to sustainability

**SUSTAIN OPPD** Sustainability & Environmental Affairs



# Conduct all operations in a manner that strives for the goal of net zero carbon production by 2050.







## Conduct its business in a manner that meets all environmental regulatory standards and go beyond compliance where practical.

- OPPD must meet a variety of environmental regulatory requirements, including those of the USEPA, NDEE, USFW, NGP, and the City of Omaha.
- No violations of environmental permits resulting in fines or enforcement actions.
- Robust internal audit program.
- 17 environmental site inspections conducted by regulating agencies.
- Growing sustainability and environmental program with two recent hires with more yet to come.



**Prairie in  
Progress**



# Be transparent by measuring and reporting environmental performance on OPPD's website.



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## Fleet Emissions

Home > Environment > Environmental Reports > Fleet Emissions

- Energy Portfolio
- > Environmental Programs
- Environmental Reports
  - Avian Protection Plan
  - Fleet Emissions
- > CCR Rule Compliance

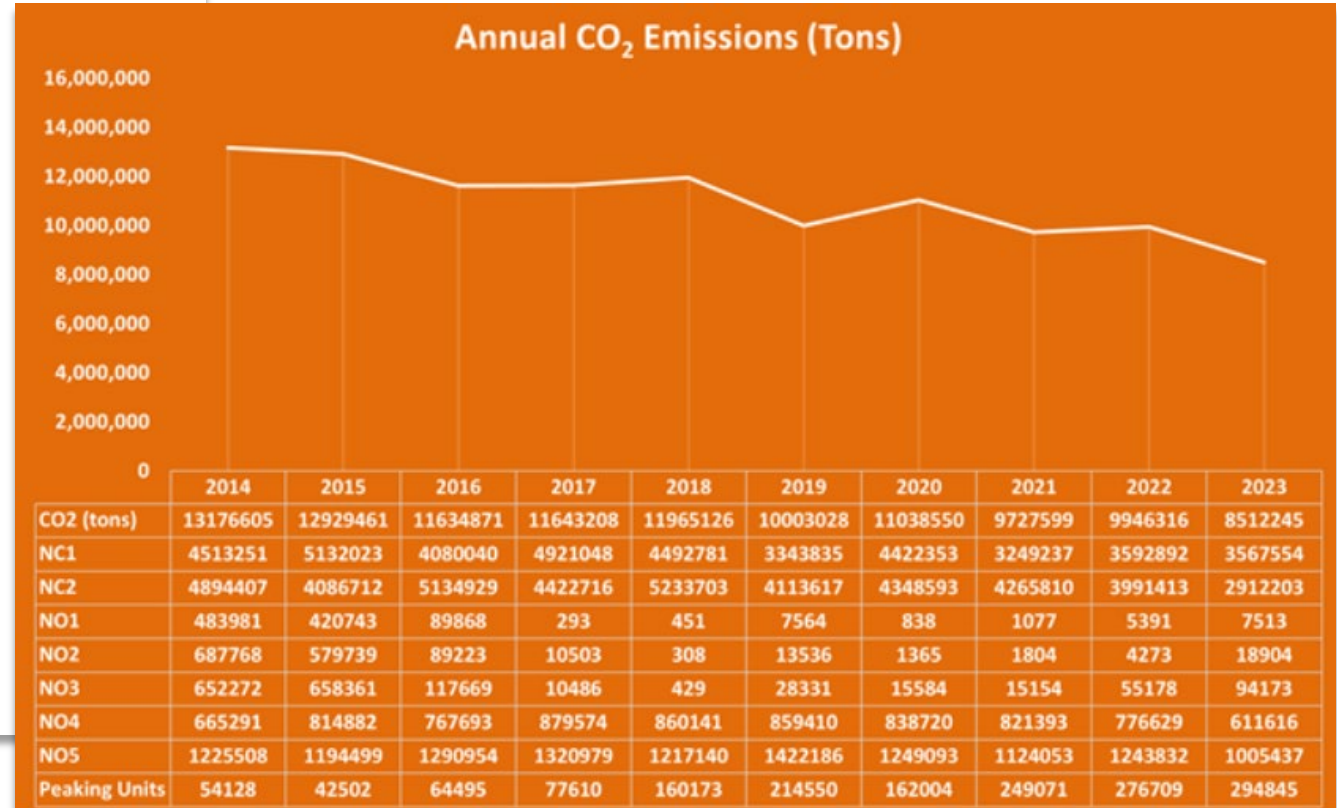
## OPPD'S COMMITMENT

OPPD is committed to providing environmentally sensitive energy to its customers, energy that remains both affordable and reliable. As part of this ongoing commitment, the District will continue working, as it has always done, to ensure the health and public safety of all the communities it serves. Since 2010, OPPD's generating fleet has reduced mercury emissions by over 90 percent, and nitrogen oxide emissions by over 40 percent. OPPD's North Omaha Station generating units routinely operate 70% below the EPA sulfur dioxide limit, and the Nebraska City Station Unit 1 routinely operates over 40% below the EPA sulfur dioxide limit.

Interested in local air quality? The Douglas County Health Department provides real-time monitoring of ambient air quality. See their website [here](#) for more information.

Looking for additional emissions data? The United States Environmental Protection Agency collects and publishes comprehensive emissions data as part of their Clean Air Markets Program Data program. See their website [here](#) for more information.

<https://www.oppd.com/environment/>

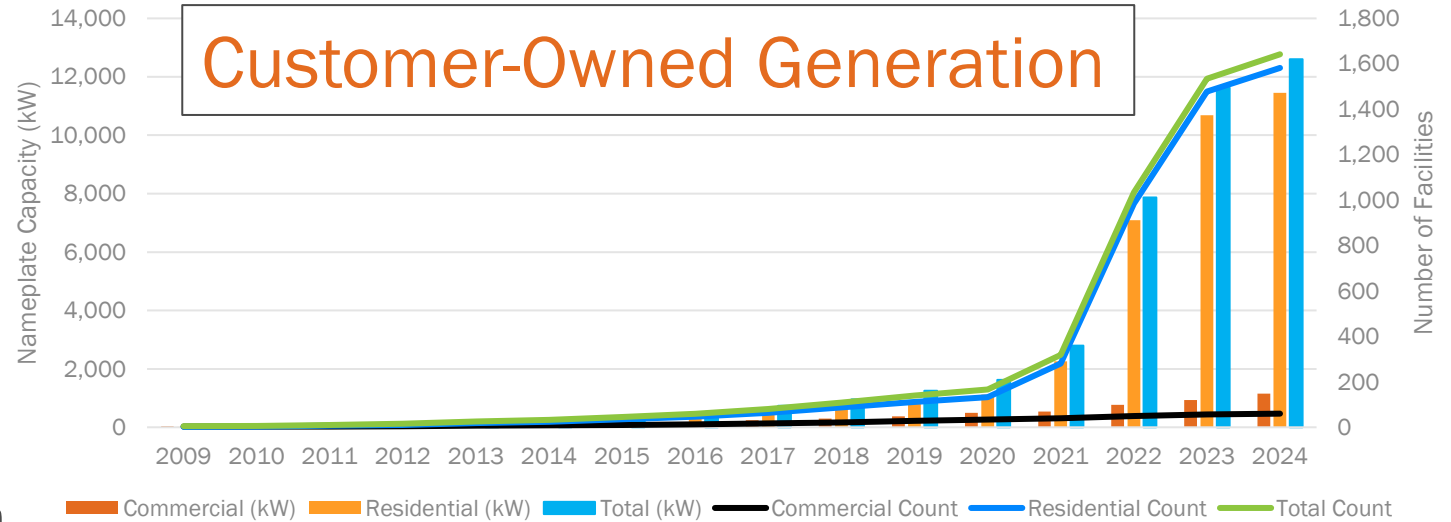






# Engage customers and stakeholders to promote energy conservation and efficiency and minimize environmental impact.

- **Customer-Owned Generation** slower growth in 2024
  - 1,642 solar systems now online
  - 12,601 kW<sub>AC</sub> solar capacity
- **Greener Together Program**
- **Energy Education Program (EEP)**
  - The EEP reached 2,050 students in 2023. As of August 2024, the program is on track to reach nearly 2,200 students in 2024!
  - We now offer Level 1 (bi-annual) and Level 2 (annual) Teacher Workshops. Since launch, 113 teachers have gone through these workshops.



- ✓ Habitat for Humanity
- ✓ No More Empty Pots
- ✓ Urban Bird & Nature Alliance
- ✓ Whispering Roots
- ✓ Florence Futures
- ✓ Free Farm Syndicate



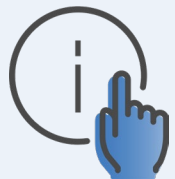
**3**  
Completed

**3**  
In Progress

- **OPPD's Governmental Affairs team** has made numerous (60+) educational/update presentations and submitted letters of support for renewable energy to local, county and city governments.
- Nebraska Planning and Zoning Conference (NPZA) March 2023
- Omaha Climate Resiliency Summit Presentation on Energy Innovation
- NDEE Ash Landfill/Environmental Impact Hearing to Otoe County Officials.
- Engaged with various IRA/IIJA funding opportunities.
  - Grid Innovation (IIJA), Smart Grid Grant (IIJA), Solar for All (GHG Reduction Fund; IRA), PACE Loan Program



Platteview Solar Ribbon Cutting,  
July, 2024.



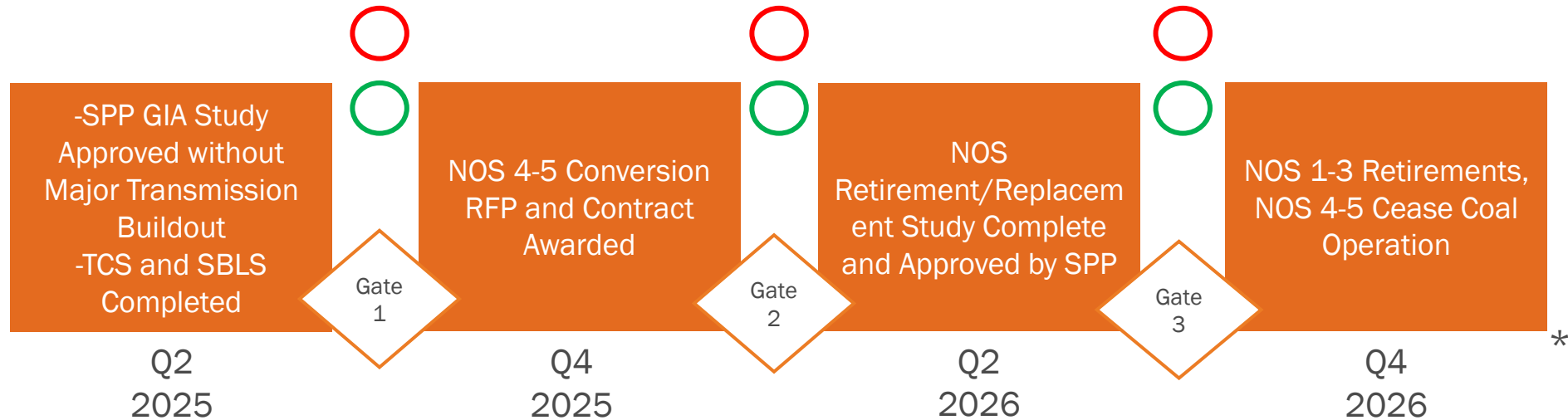
**Advocate and educate local, state, and federal governments to protect and promote OPPD's environmental impact.**



By year end 2027, achieve an approximate 3,500,000 ton annual reduction in CO2 emissions at the North Omaha Station site relative to OPPD's 2013 benchmark of 3,960,179 tons at the station.

## North Omaha Transition Stage Gate

- August 2022 Resolution 6518 update



\*Schedule is preliminary and subject to SPP study process and results.

# Recommendation

The System Management Committee has reviewed and accepted this Monitoring Report for SD-7 and recommends that the Board find OPPD to be sufficiently in compliance with Board Policy SD-7.



**Any reflections on**

**what has been  
accomplished, challenges  
and/or strategic  
implications?**

