



# Monitoring Report SD-7 Environmental Stewardship

OPPD Board of Directors – All Committees Meeting  
October 18, 2022

Jeremy Bowers, Director – Environmental & Regulatory Affairs

# SD-7: Where We've Been

## Resolution 6082, October 15, 2015

First issuance as part of Board Policies

## Resolution 6289, November 15, 2018

- Long term goal: 20% reduction in carbon intensity from 2010 through 2030.
- Strive towards long-term goal of 50% of retail energy sales supplied from renewable energy sources.

## Resolution 6347, November 14, 2019

Major revisions. Revised to form and language of current SD7. Replaced goals of 6289 with net-zero carbon goal.

## Resolution 6434, May 20, 2021

Recognizes the scientific consensus on climate change and the contribution of human activity.

## Resolution 6525, September 22, 2022

Added interim CO2 reduction metric to recognize North Omaha transition.



# SD-7: Therefore, OPPD Shall:



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.

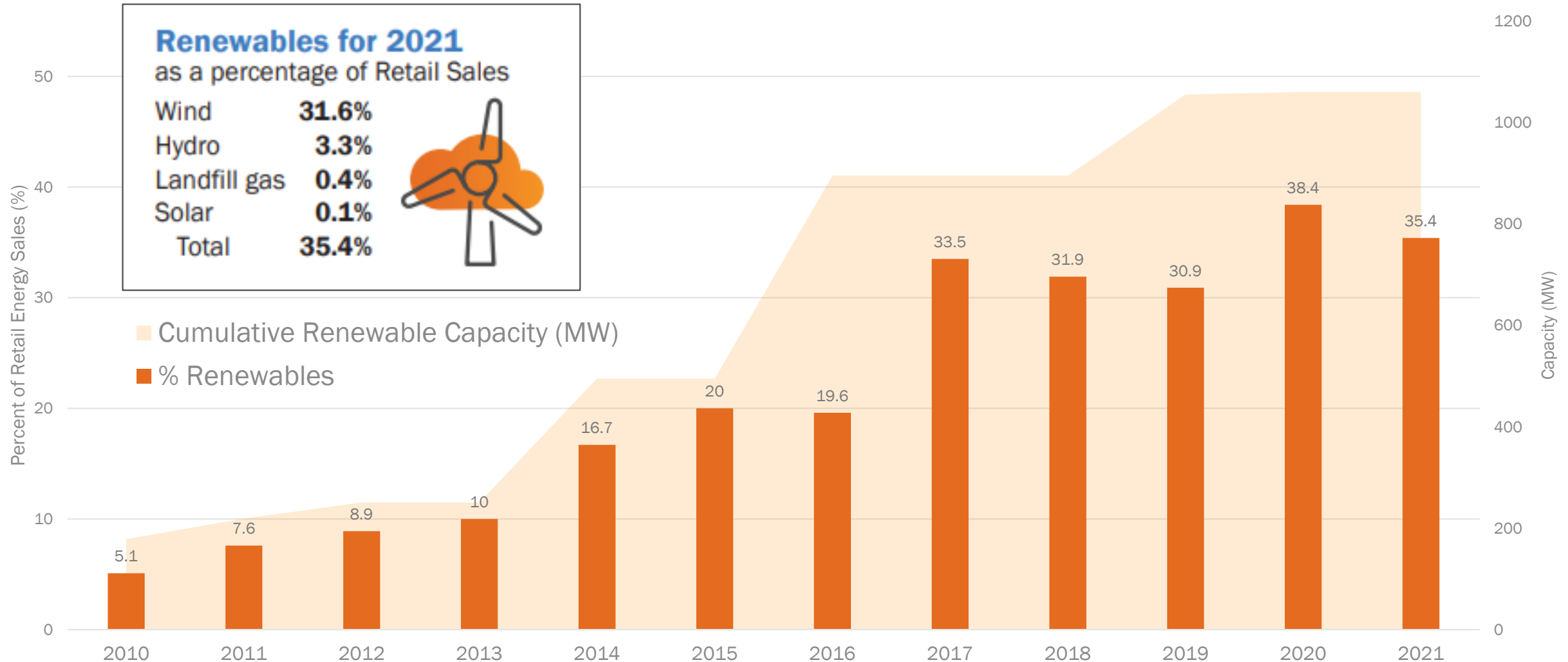


Engage customers and stakeholders to promote energy conservation and efficiency and minimize environmental impact.



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

# Environmental Responsibility and Performance: OPPD Renewables Over Time



# Environmental Responsibility and Performance: **OPPD's Fleet**

- In total, 295+ total vehicles that are all electric, hybrid, or flex fuel (~45% of fleet)
  - Passenger car fleet is now 100% hybrid or fully electrified
  - 20 hybrid SUVs with 11 more on order.
  - First hybrid pickup in service (F-150).
  - 6 plug-in hybrid bucket trucks with 3 more on order.
- Equipment fleet now includes:
  - 41 all electric forklifts, yard carts, and man-lifts
- SmartFleet Technology installed on 900+ units.

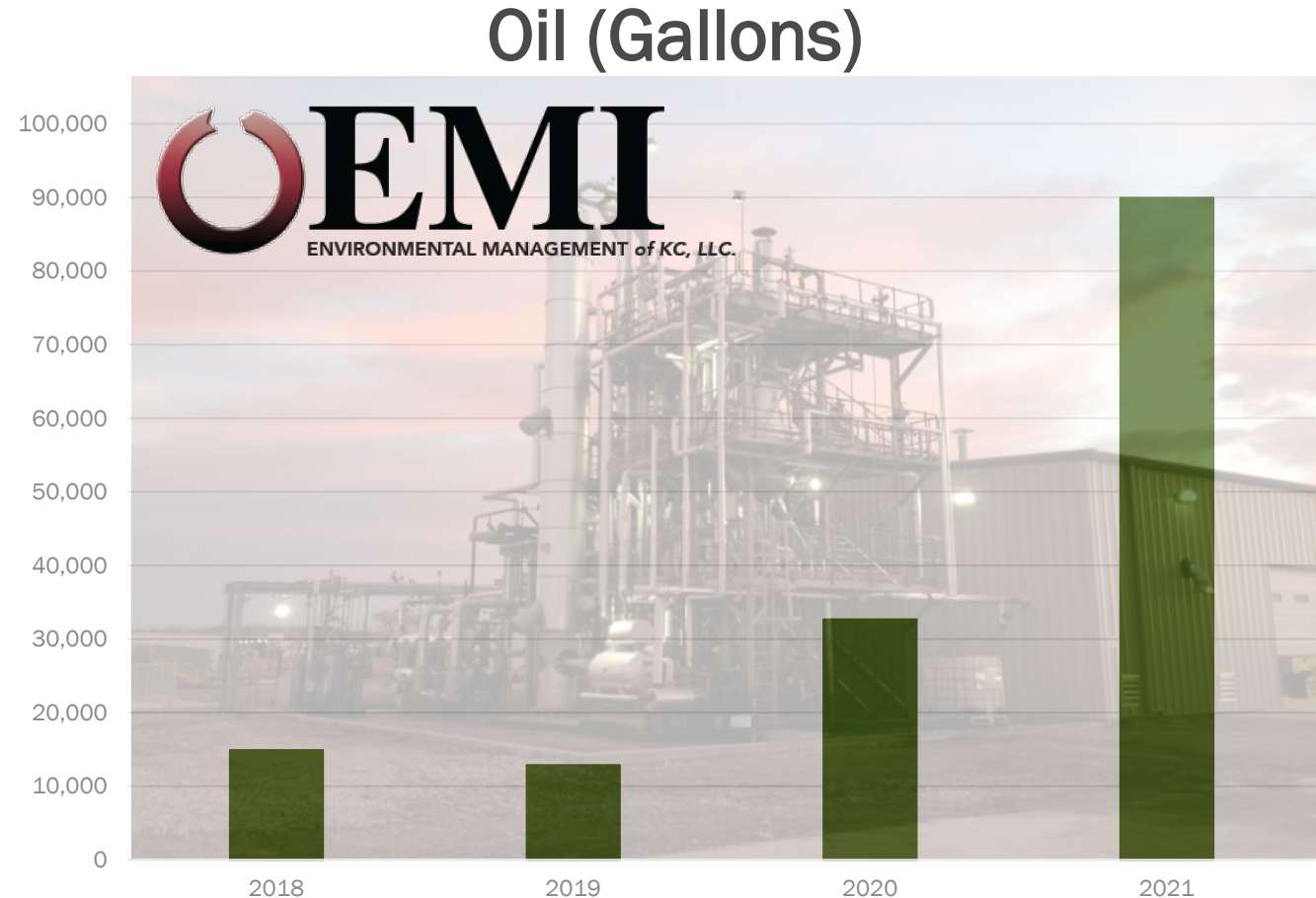


# Environmental Responsibility and Performance: 2021 Category Recycling

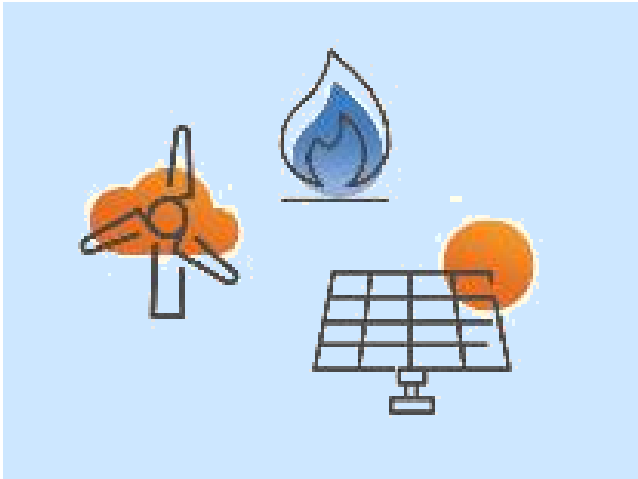


OPPD focuses on finding avenues for recycling:

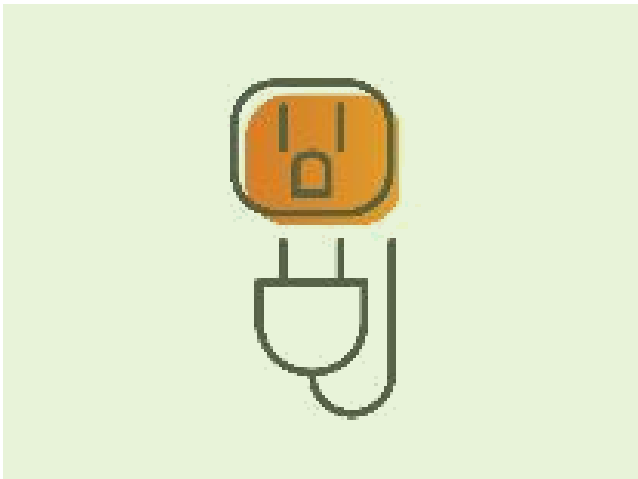
- **Batteries** – 2,162 lbs.
- **Metal** – 3,365,606 lbs.
- **Oil** – **89,960 gallons**
- **Utility Poles** – 500+ poles
- **Recycling materials** returned over \$1.3M back to OPPD.
- ~18% of fly ash recycled
- **Recycled 2.5 times more oil in 2021 vs. 2020.**



# Net Zero Carbon Production Goal by 2050: Pathways to Decarbonization



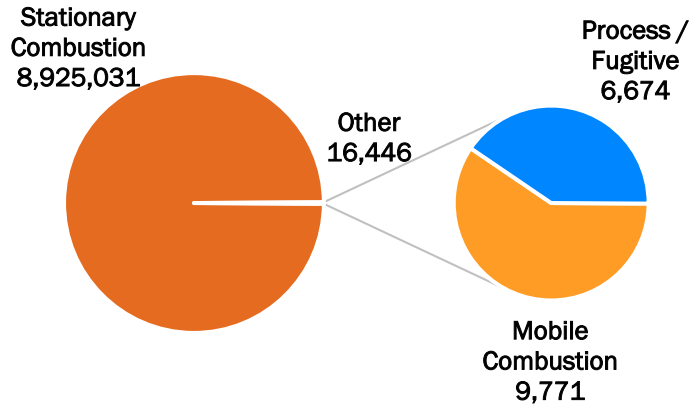
- The Initiative Phase of our Pathways to Decarbonization strategy was formally completed in May 2022.
- This foundational project informs our strategy and the work continues.



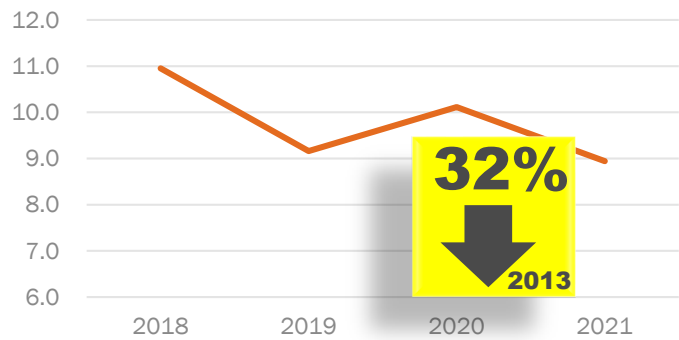
# Net Zero Carbon Production Goal by 2050: 2021 Greenhouse Gas Inventory



**8,941,477 mt**

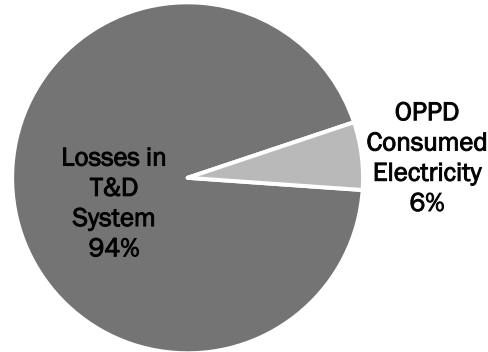


Scope 1 (Million Metric Tons CO2e)

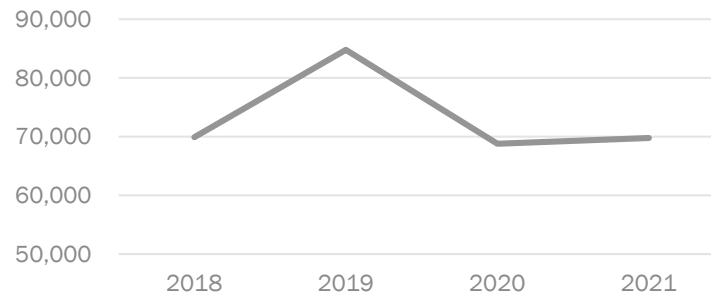


**Scope 1**

**69,766 mt**

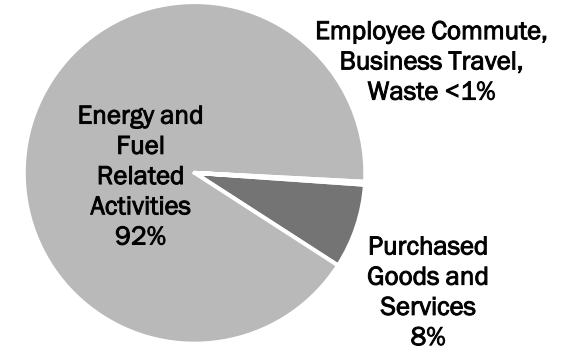


Scope 2 (Metric Tons CO2e Market Based)

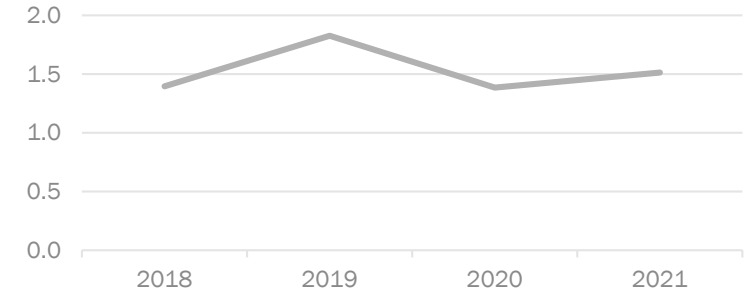


**Scope 2**

**1,529,477 mt**



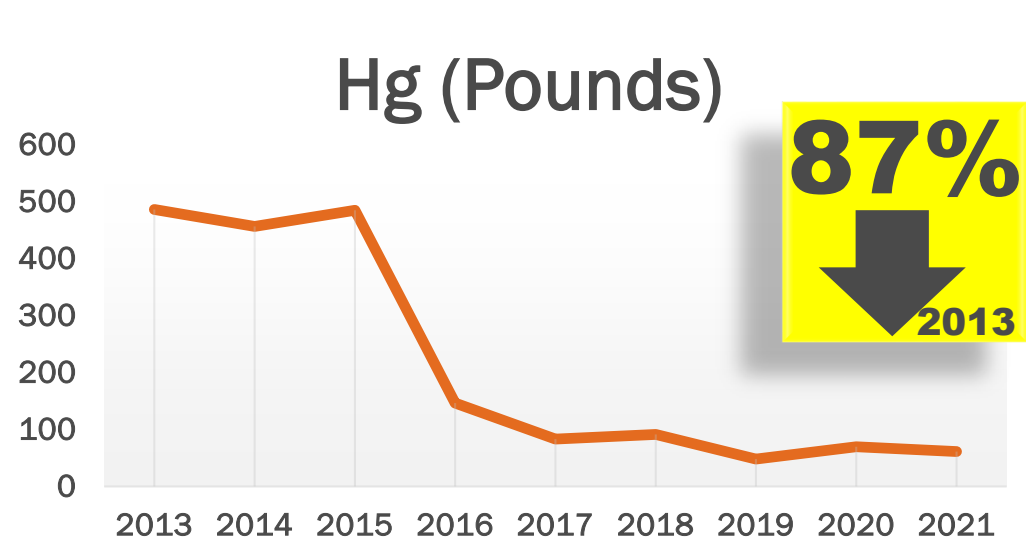
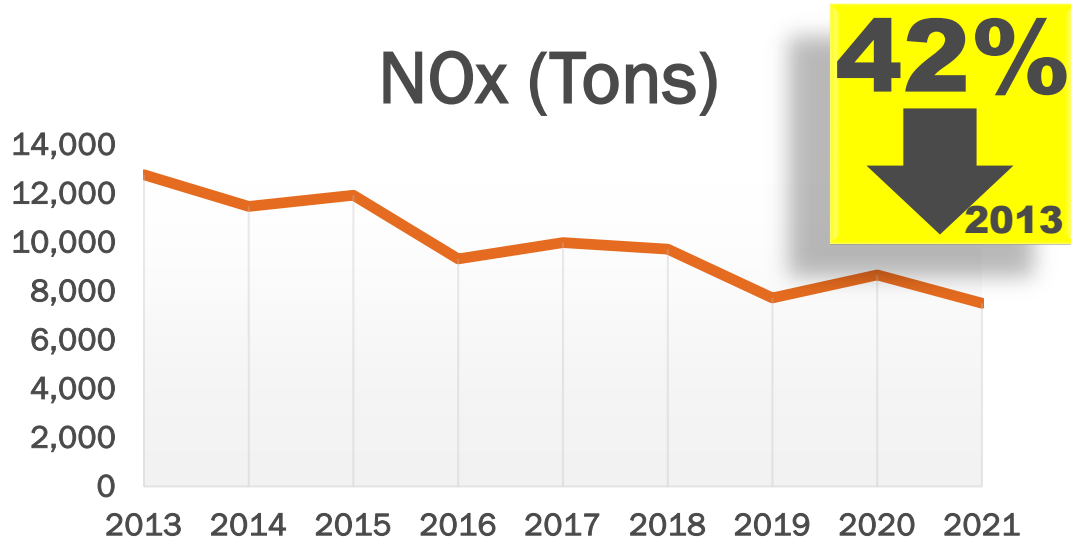
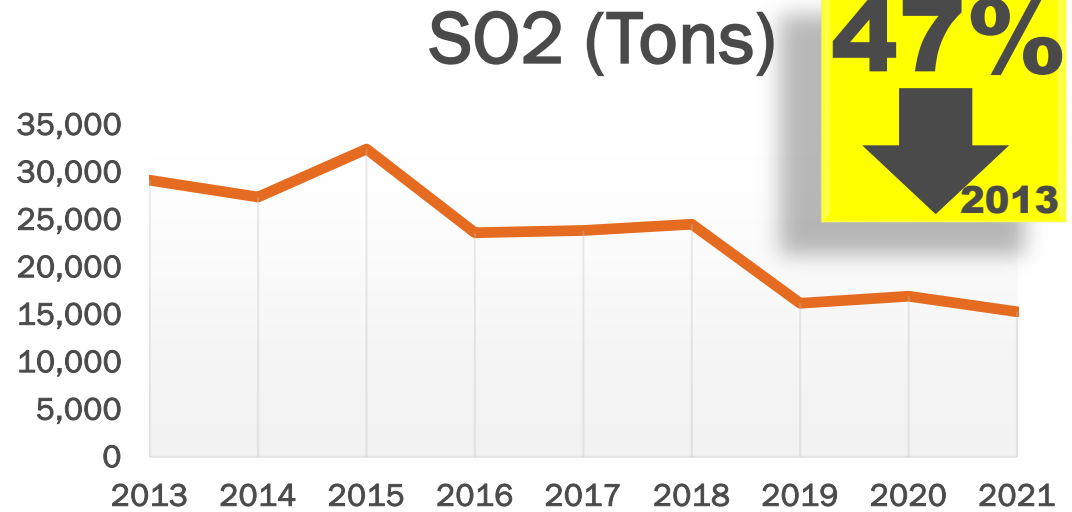
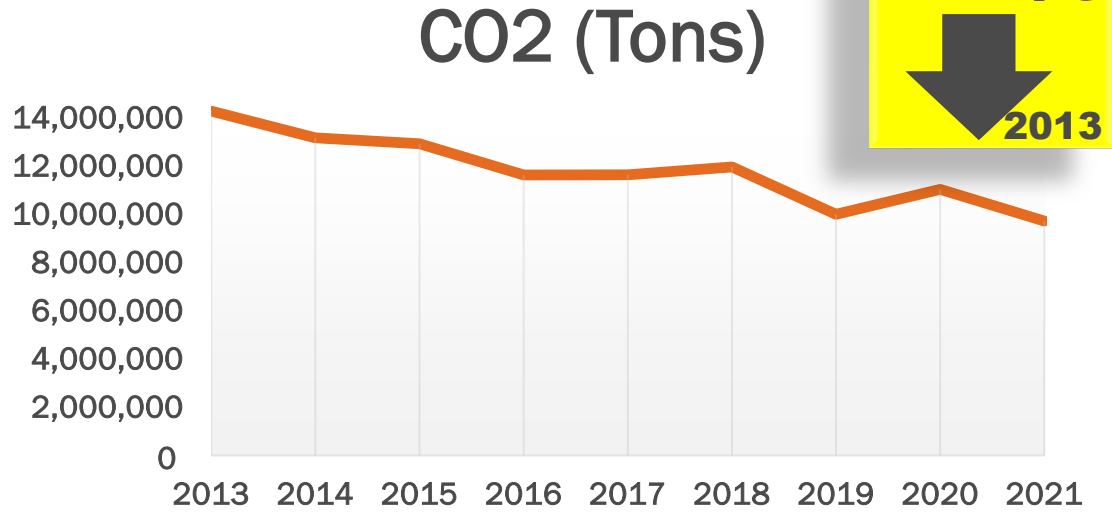
Scope 3 (Million Metric Tons CO2e Market Based)



**Scope 3**



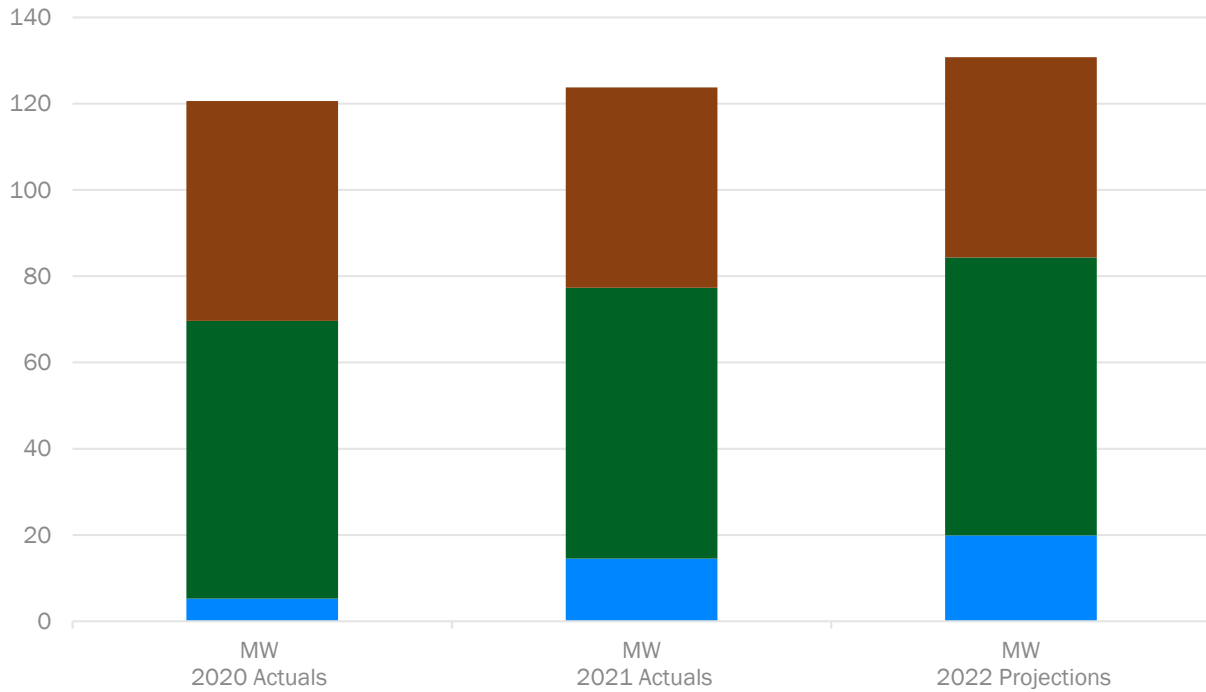
# Net Zero Carbon Production Goal by 2050: Annual Emissions



# Net Zero Carbon Production Goal by 2050: DSM and EE Portfolio Status

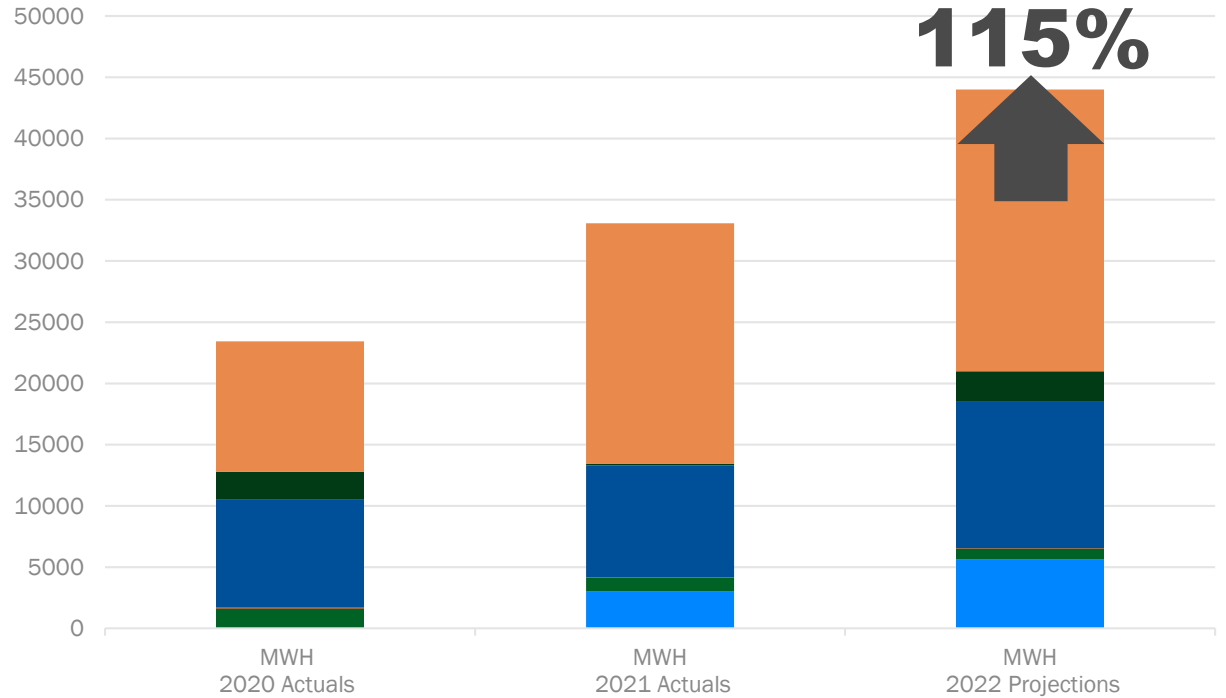


## Demand Response (MW)



■ Smart Thermostat Program ■ Cool Smart ■ Business Interruptible

## Energy Efficiency (MWH)



■ LED Light Upgrade\* ■ Business Custom Rebates  
 ■ Business Prescriptive Rebates ■ Certified High-Performance Homes  
 ■ HVAC Smart ■ Smart Thermostat Program

\*LED Light Upgrade managed by CS&GI

**Total Portfolio ~185 MW of DSM.**



# Meet & Exceed Environmental Regulatory Standards:

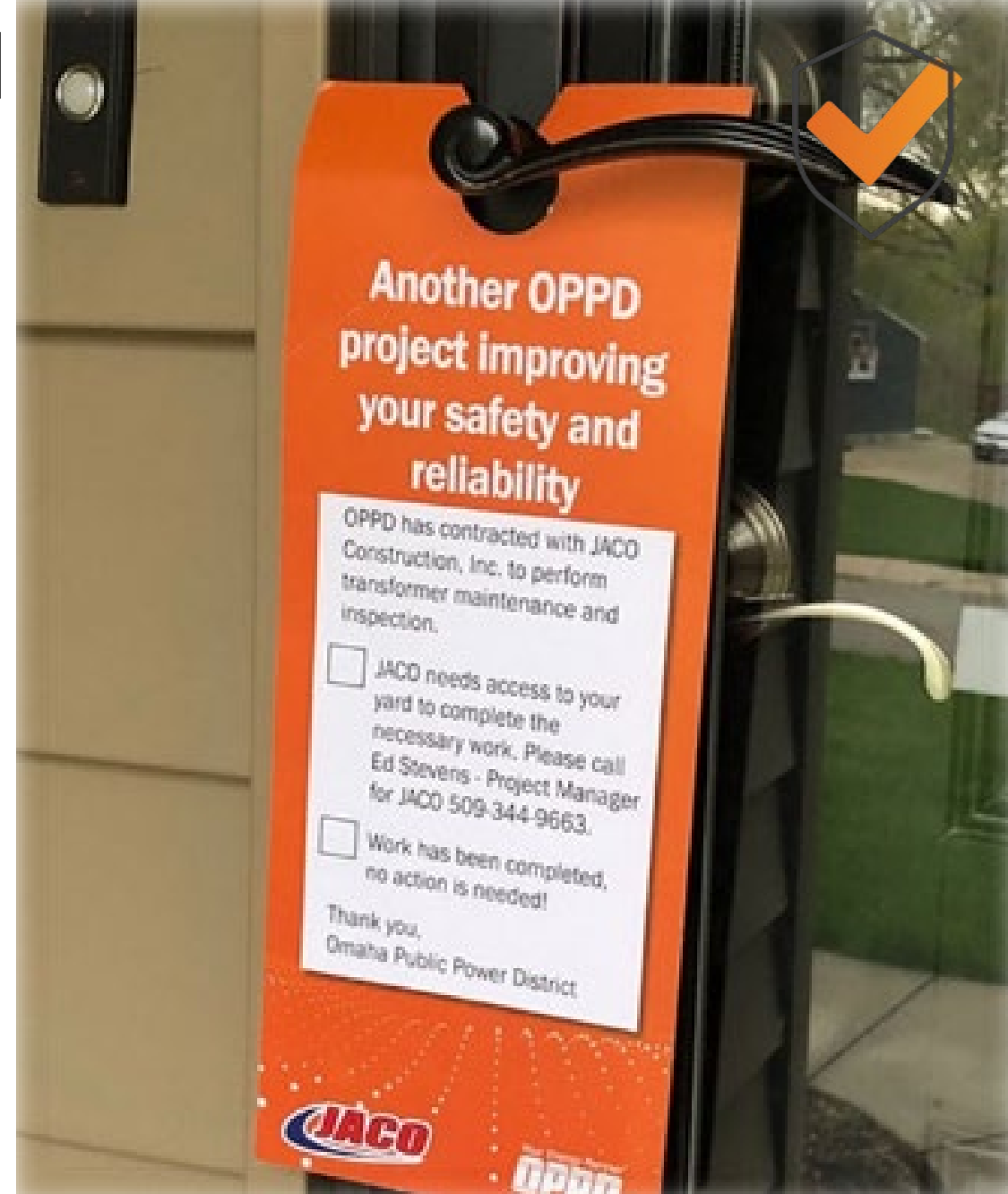
## Environmental Compliance

### Standard Compliance

- No violations of environmental permits resulting in fines or enforcement actions.

### Beyond Compliance

- Low Emitter Status for Particulate Matter.
- Sustainability program benchmarking.
- Robust internal audit program.
- PCB Sampling project.
- Prairie in Progress.
- Avian Protection.



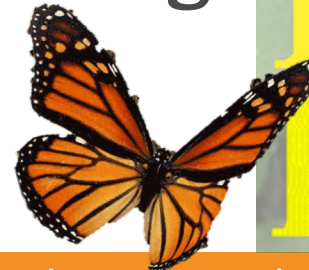
# Meet & Exceed Environmental Regulatory Standards: Wildlife and Natural Resources



BELLEVUE  
UNIVERSITY



*Thunder and Lightning  
(2022)*



PRAIRIE  
IN  
PROGRESS

# Active Transparency: Environmental Programs & Reports



## COMMUNITY CONNECT

The screenshot shows the OPPD website with a navigation bar at the top. The main content area features an 'ENVIRONMENT' section with articles on 'LEADING THE WAY WE POWER THE FUTURE', 'ELECTRIC VEHICLES', 'Diverse Fuel Mix', and 'Renewables'. A 'Community Solar' dashboard is prominently displayed, showing production metrics and environmental impact statistics.



2021 Integrated



### OPPD Board of Directors Feedback SD-9

OPPD's Board accepted feedback on SD-9, Resource Planning.

[Read more](#)

### OPPD BRIGHT Project

OPPD's first battery storage project and we are excited to share the details with you.

[Read more](#)

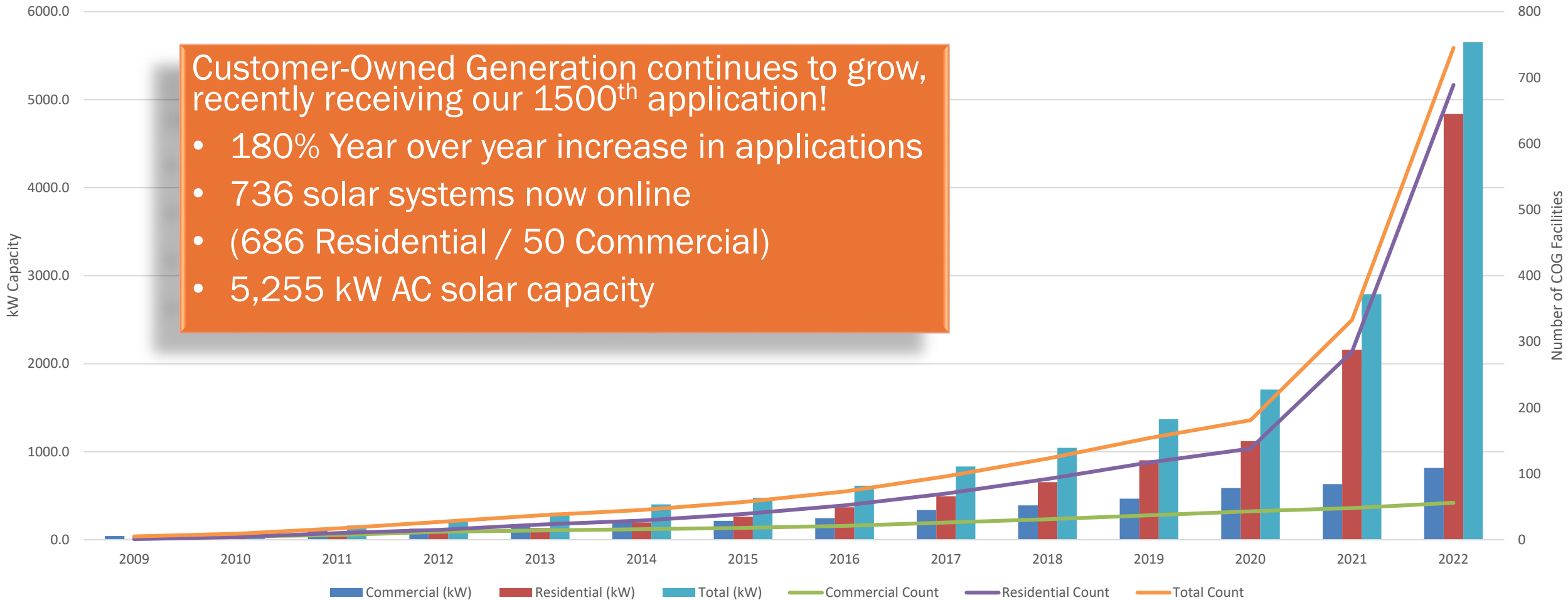
# Customer & Stakeholder Engagement: Greener Together



[OPPD.com/GTP](https://oppd.com/GTP)

- Program connects community members and supports green initiatives
- Members choose their monthly contribution amount and have the opportunity to vote on and track the progress community projects
- Local organizations submit projects to be considered for funding
- First project completed in July in collaboration with Bellevue University and the NE Statewide Arboretum – an edible orchard and pollinator plot

# Customer & Stakeholder Engagement: Growth in Customer-Owned Generation (100 kW or Less)



# Customer & Stakeholder Engagement: Energy Education Program's Success



The EEP is a STEM-based education program combining energy workshops for teachers and hands-on activities and lessons taught by OPPD's Energy Advisor about renewable energy and more!





# Educate, Protect & Promote Education Initiatives



- Engaged 13 counties with specific focus on solar.
- Power with Purpose, PF2050, and capacity vs. load challenges.
- Extensive outreach/education on NOS extension to public officials, community leaders, and public.



# 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 additional reflections on**

**what has been  
accomplished ... or**

**challenges or gaps**

