Transportation Electrification

Discussion of alternative transportation user fees

James Campbell






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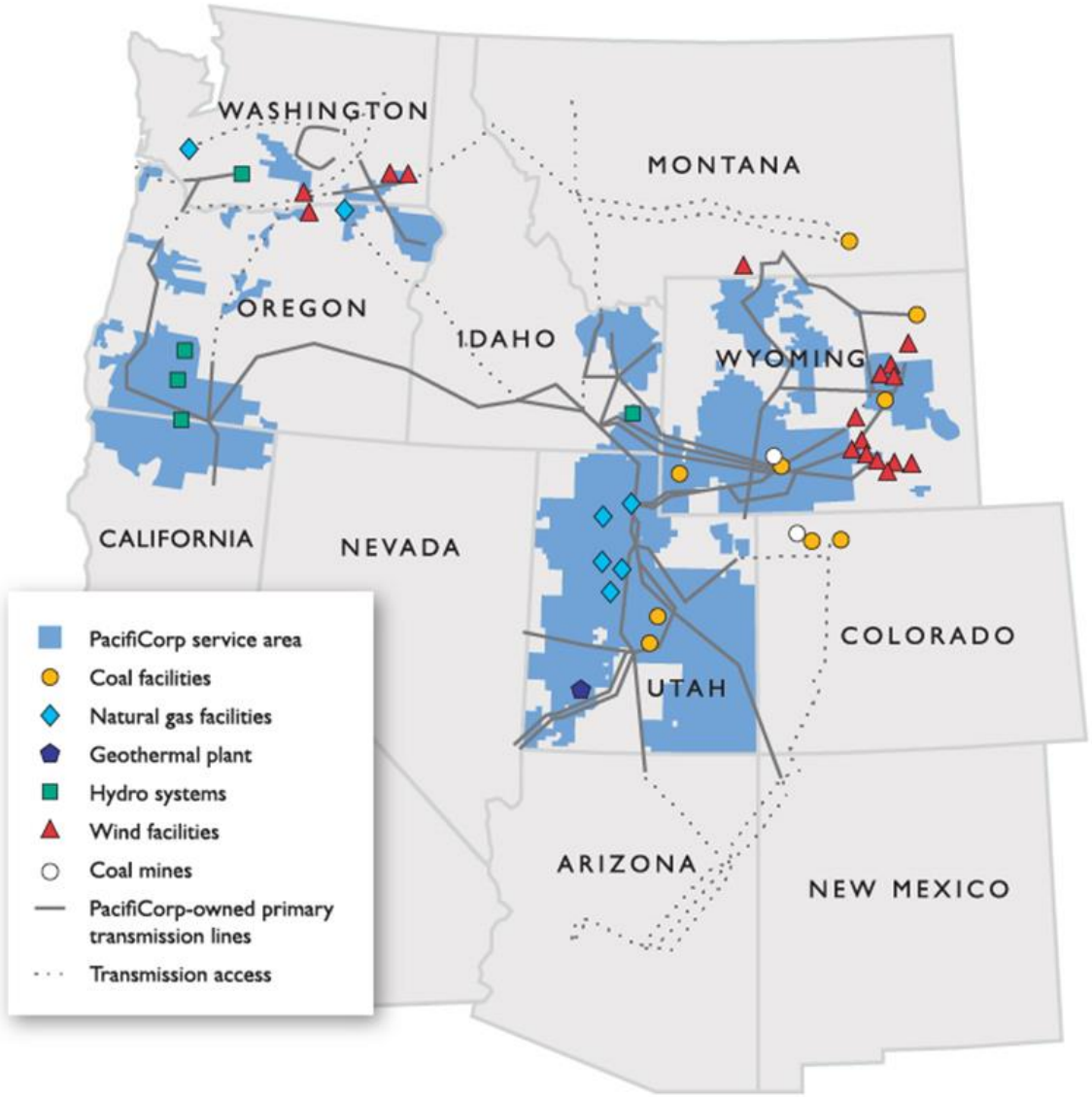
POWERING YOUR GREATNESS

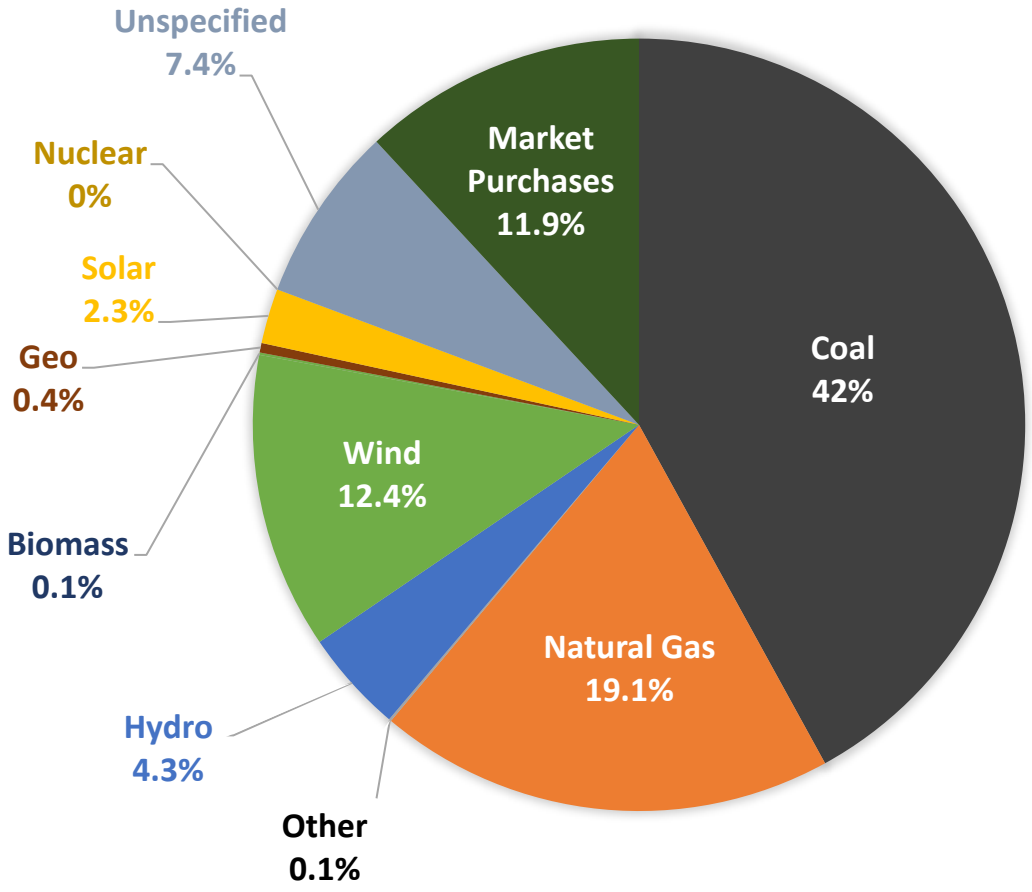
PacifiCorp Overview



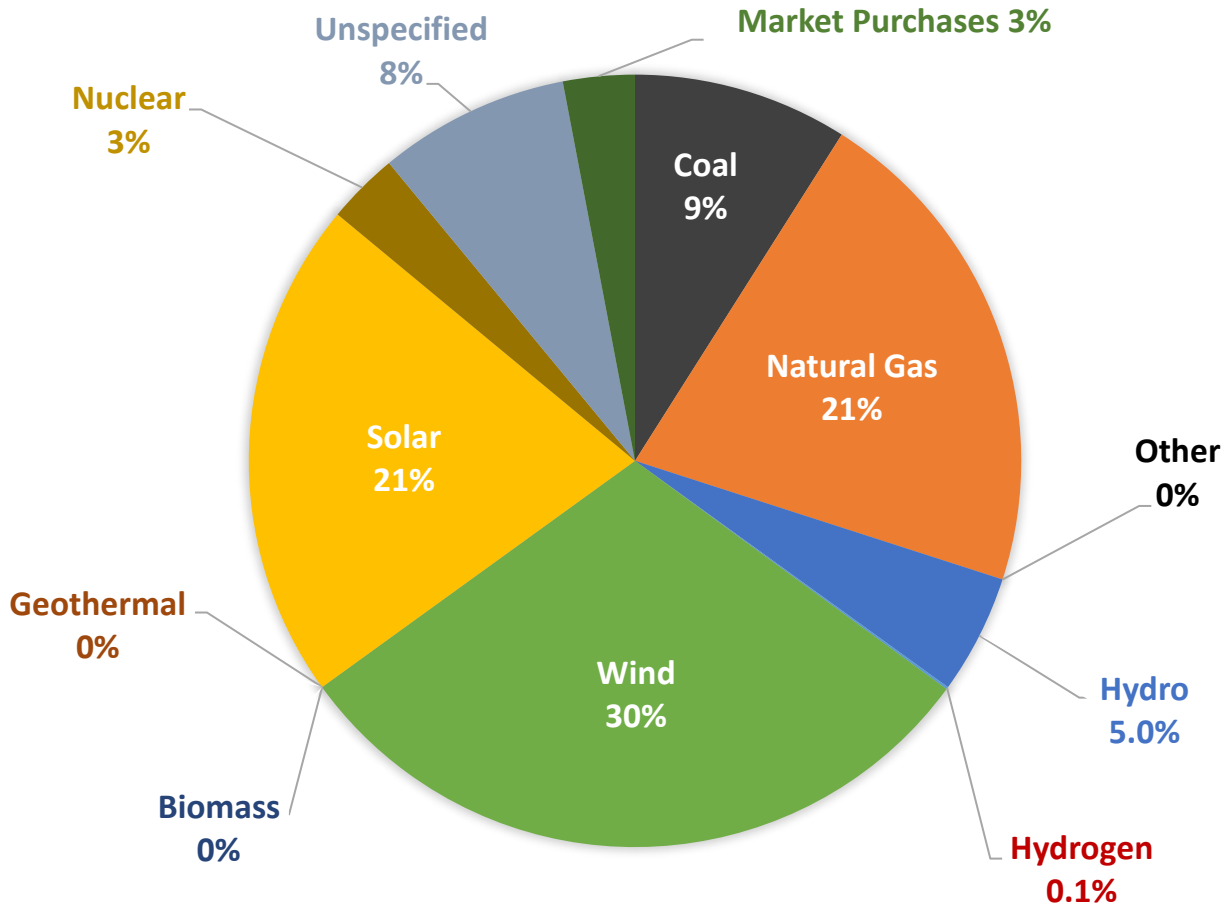
- Two divisions – Rocky Mountain Power and Pacific Power
- Approximately 4,800 Employees
- 2 million electricity customers
- 141,503 square miles of service territory in six states
- 17,770 miles of transmission
- 11,597 MW owned generation capacity
- 13,195 MW 2022 peak system load

PacifiCorp Projected Energy Mix

2022

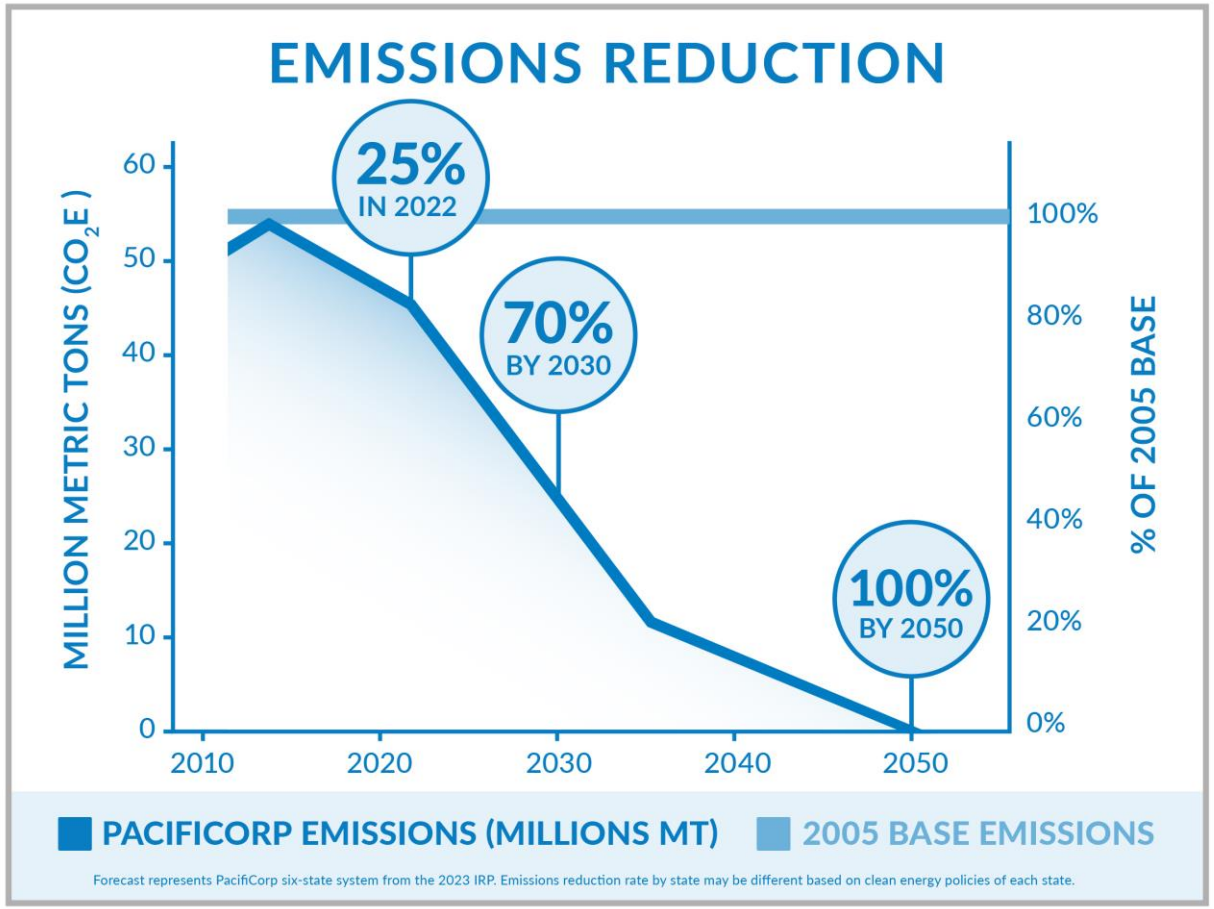


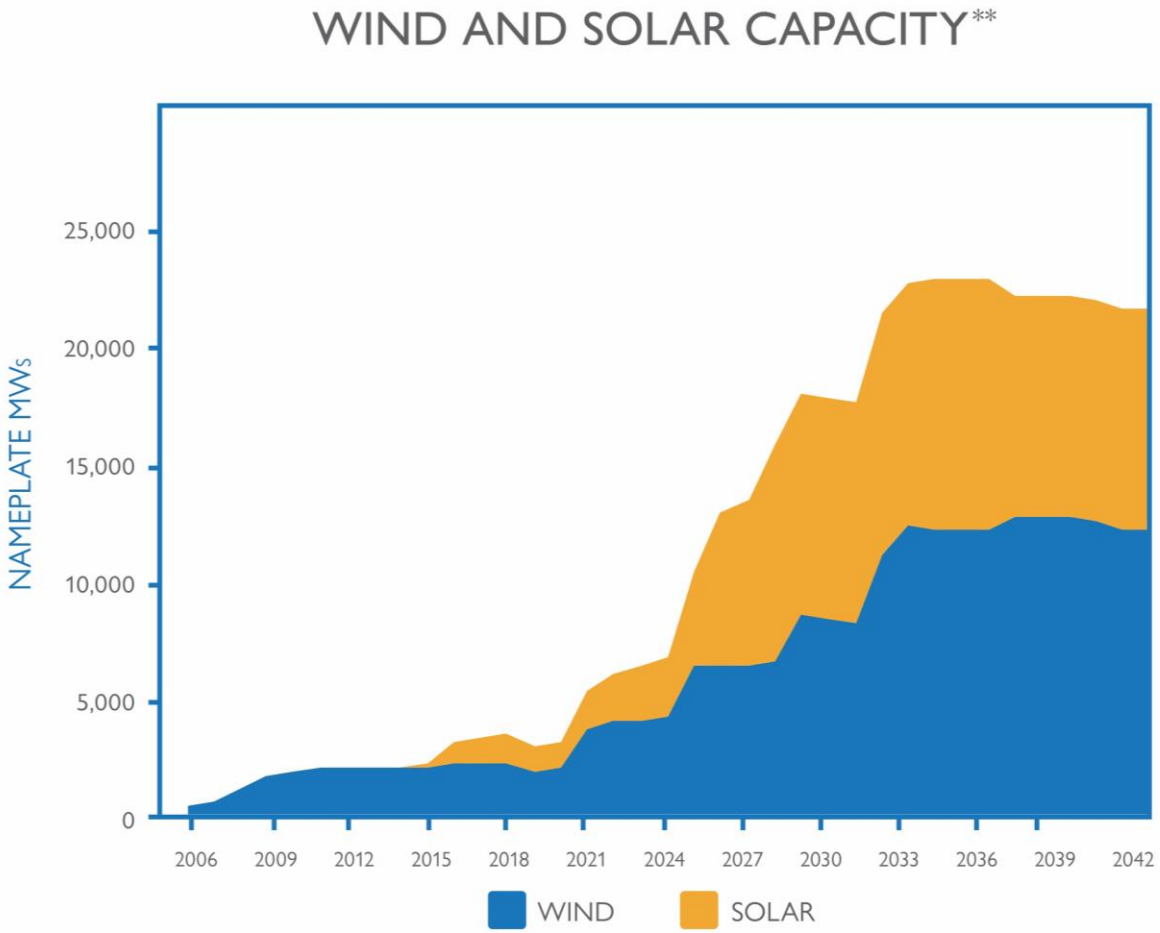
2030



Energy without RECS is classified as unspecified

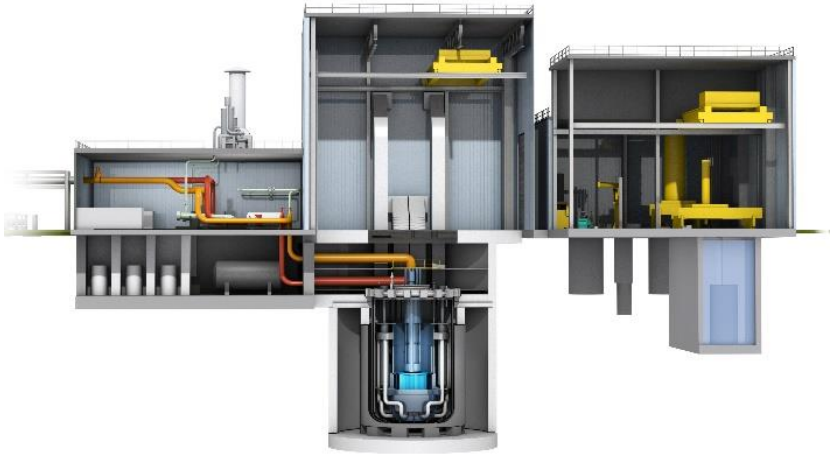
The changing energy landscape

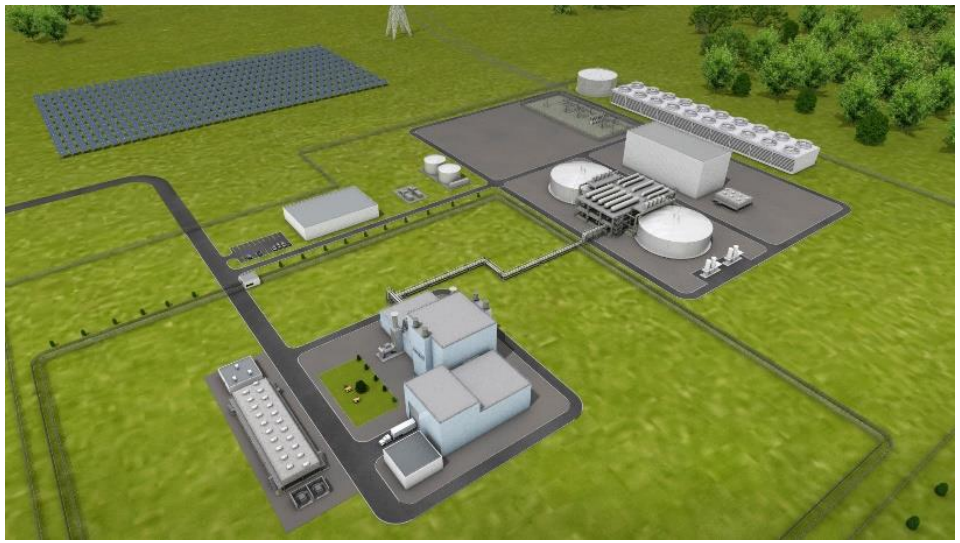


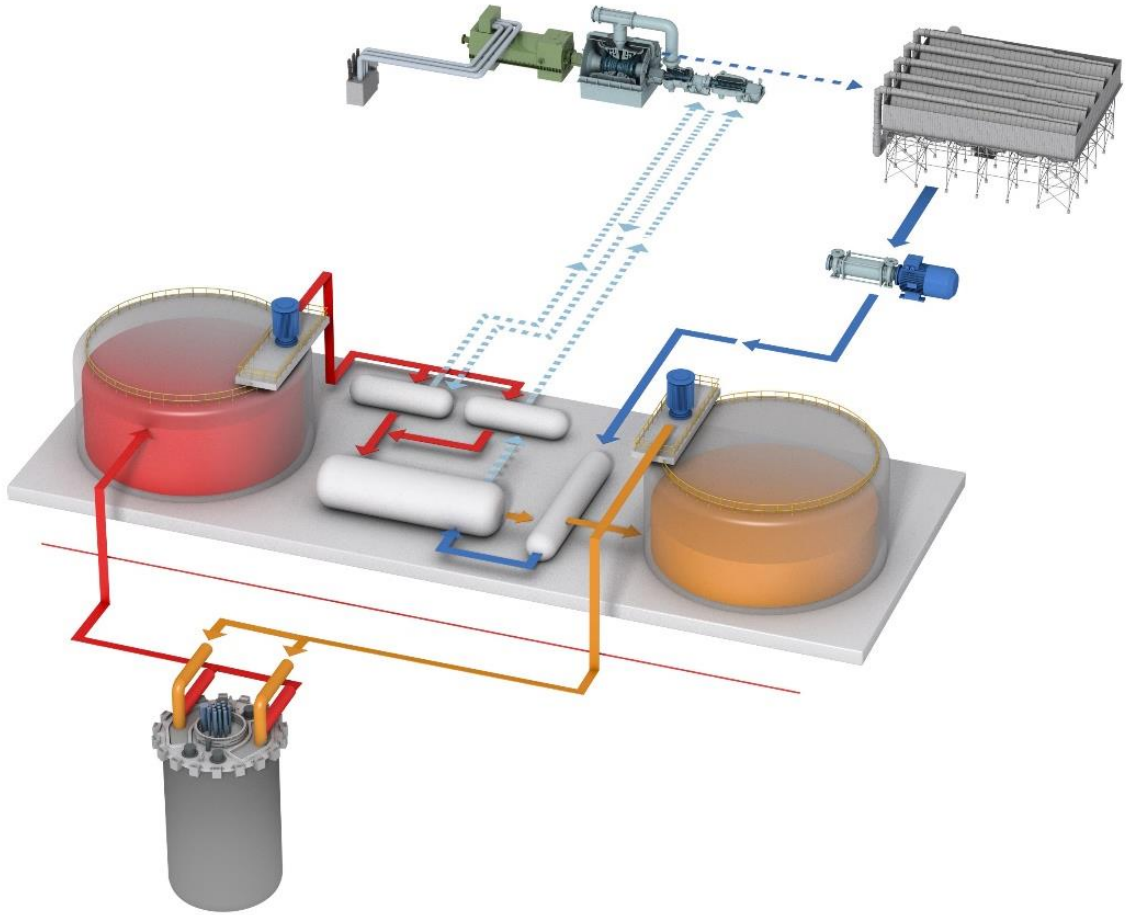


** Resources acquired through customer partnerships, used for renewable portfolio standard compliance or used for third-party sales of renewable attributes are included in the total figures quoted.

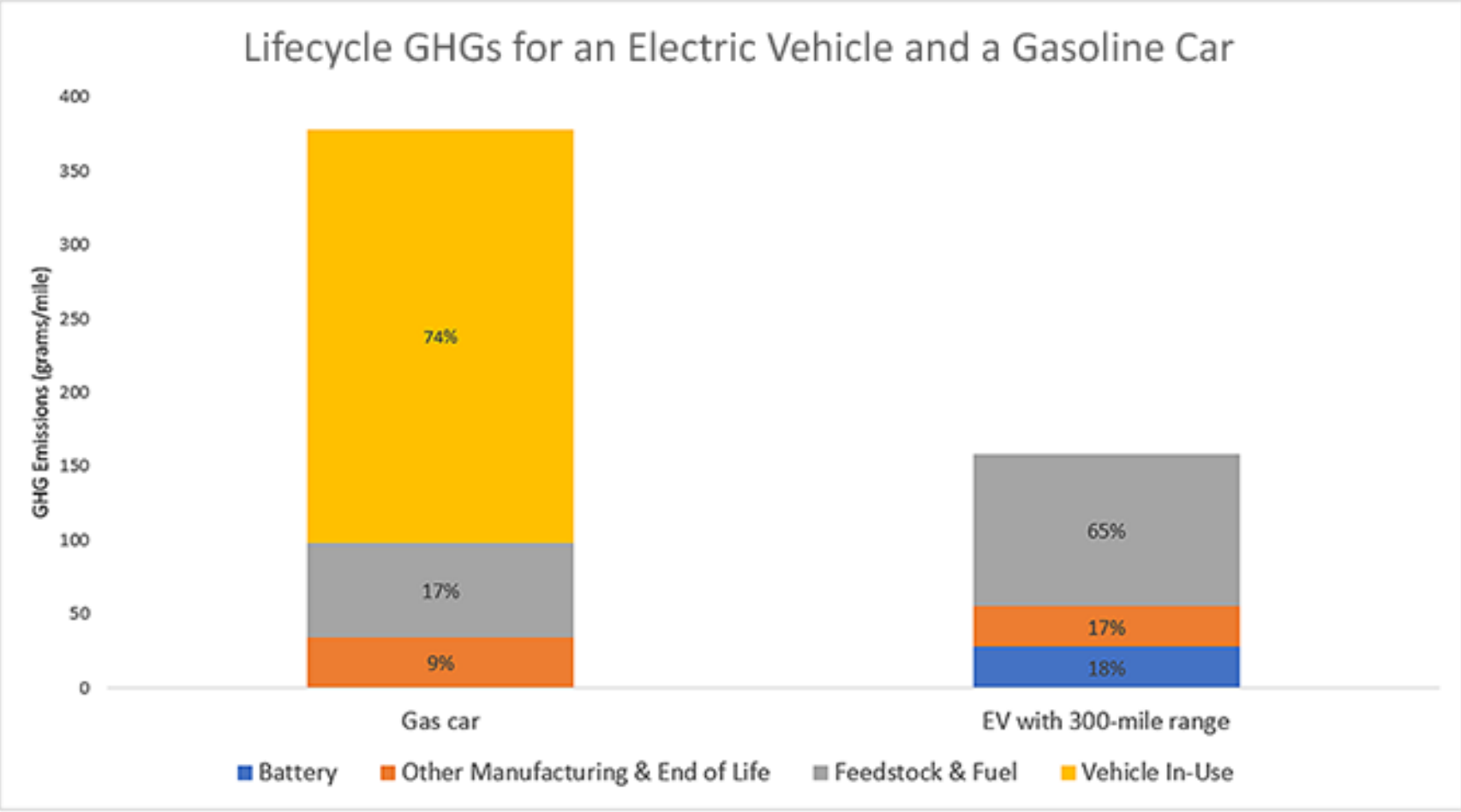
Advanced Nuclear Technology







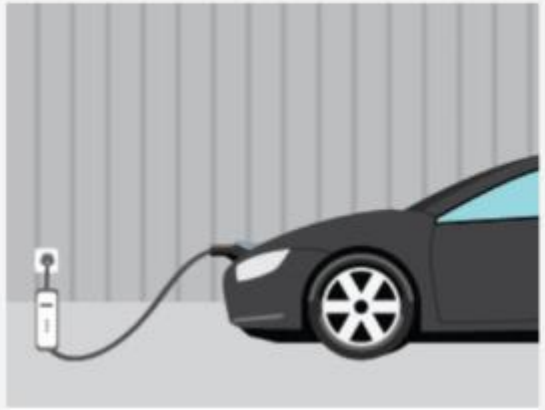
Wells to Wheels - Who's Cleaner?



Source: Argonne National Laboratory Study 2022

EV Charging Basics

Level 1



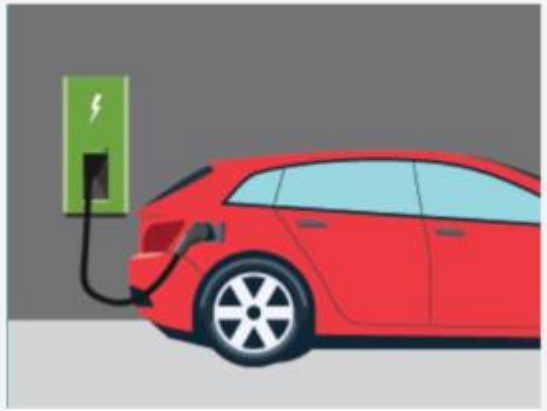
VOLTAGE;
120V 1-Phase AC

AMPS:
12-16 Amps

CHARGING LOAD:
1.4-1.9 kW

CHARGING TIME:
3-5 Miles per Hour

Level 2



VOLTAGE;
208V or 240 V 1-Phase AC

AMPS:
12-80 Amps

CHARGING LOAD:
2.5-19.2 kW (Typ. 6.6 kW)

CHARGING TIME:
12-60 Miles per Hour

DC Fast Charge

VOLTAGE;
208V or 480V 3-Phase AC

AMPS:
>100 Amps

CHARGING LOAD:
50-350 kW

CHARGING TIME:
100 Miles in 40 min (50 kW)
100 Miles in 12 min (150 kW)
100 Miles in 5 min (350 kW)

Ownership Models

- Municipal/government: Parks, libraries, city halls

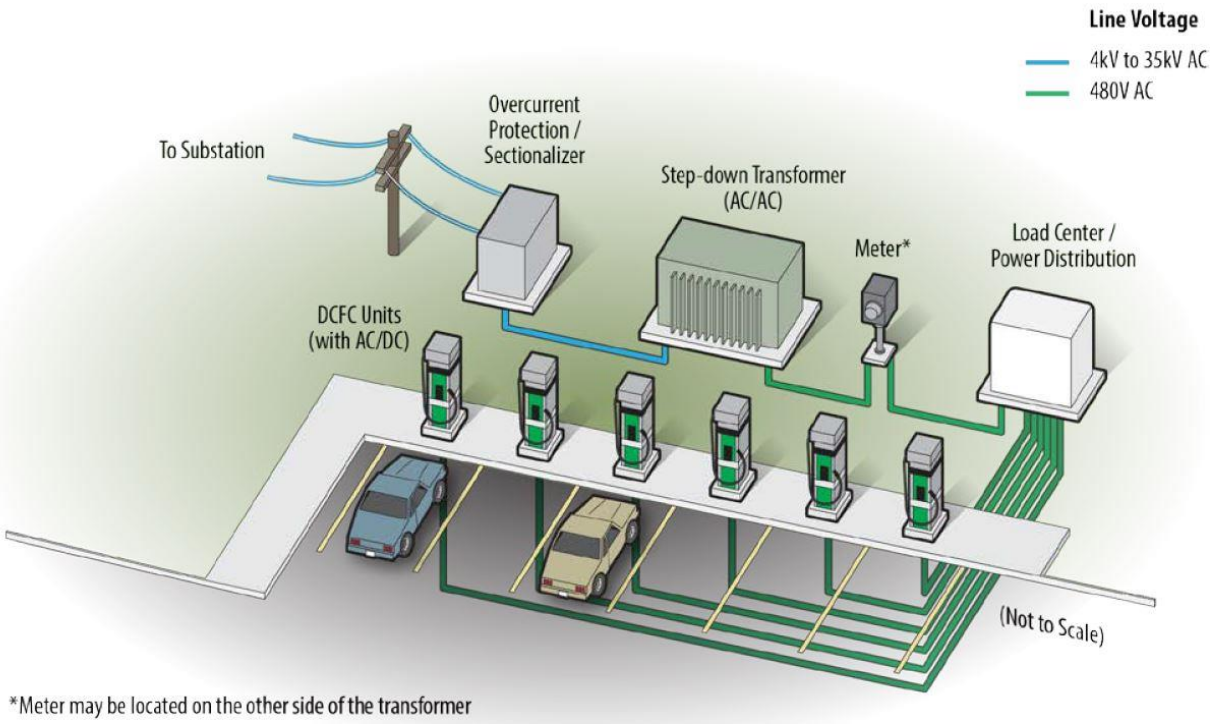
- Private (Site owned): Property owner owns charging equipment
- Private (Third-party owned): Property owner is a site-host but equipment is owned by operator

- Utilities: Able to deploy large amounts of infrastructure must have Utility Commission approval

DC Fast Charge Layout

Innovating for a thriving future

Today



Tomorrow


Thank you
PACIFICORP
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