

Greening Pennsylvania's State Parks and Forests

DCNR Sustainability Initiative

www.dcnr.pa.gov

DCNR Green Vehicle Fleet



DCNR Fleet

- ▶ ~**1,530** total vehicles (sedans, SUVs, vans, light/heavy duty trucks, large equipment, etc)
 - ▶ **12,081,115** VMT/year (2016)
 - ▶ **6,977** tons of CO₂/year (2016)

Green Vehicles

- ▶ **35** EVs and PHEVs in passenger fleet
 - ▶ 7 PHEV Sedans
 - ▶ 13 PHEV vans
 - ▶ 2 EV Sedans
 - ▶ 8 E-cycles
 - ▶ 5 PHEV SUVs

2025 Goal

Convert **25%** of passenger vehicles (sedans, SUVs, vans) to either EVs or PHEVs. **62** additional vehicles will be converted in the next 4 years.

DCNR Visitor Charging Stations



Pine Grove Furnace State Park



Kinzua Bridge State Park



Codorus State Park



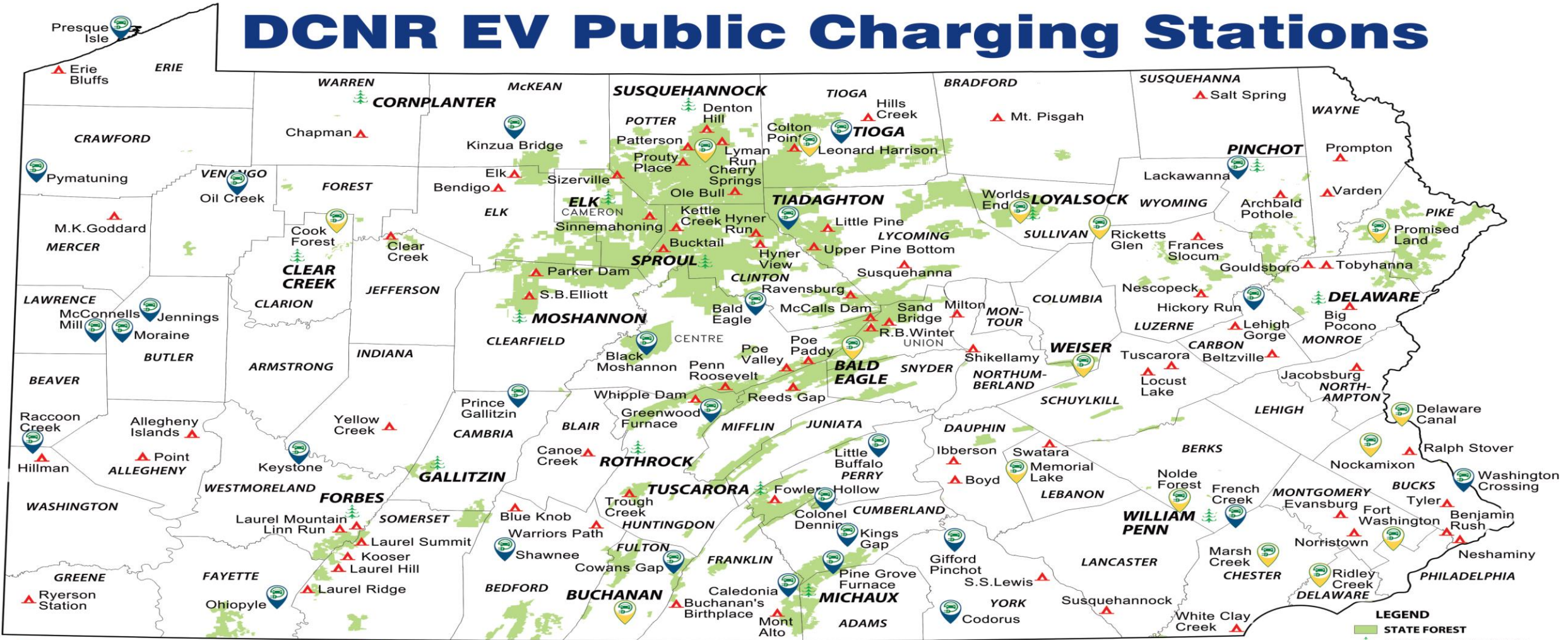
Prince Gallitzin State Park

DCNR is providing Level 2 electric vehicle charging stations in select state park and forest locations **free-of-charge** to visitors.

To date, DCNR has received over \$148,000 in funding towards these installations utilizing PA Department of Environmental Protection's "Driving PA Forward" Program for Level 2 charging stations (VW Settlement Fund).

- **As of Spring 2023**
Total of **41** visitor charging stations currently installed
- An additional **12** visitor charging stations are in various stages of design and construction.

DCNR EV Public Charging Stations



Electric Vehicle Charging Station



Planned Electric Vehicle Charging Station



LEGEND
 STATE FOREST
 FOREST DISTRICT OFFICE
 STATE PARK

Kinzua Bridge	Black Moshannon	Cowans Gap	Pymatuning	McConnells Mill	Caledonia	Presque Isle	Nolde Forest	Cherry Springs
Prince Gallitzin	Moraine	Bald Eagle	Jennings EEC	Bald Eagle Nature Inn	Gifford Pinchot	Delaware Canal	Ridley Creek	Leonard Harrison
Washington X-ing	Lackawanna	Hickory Run	Keystone	Tiadaghton (FD#12)	Kings Gap	Fort Washington	Promised Land	Cook Forest
Pine Grove Furnace	French Creek	Colonel Denning	Ohiopyle	Pine Creek Rail Trail	Little Buffalo	Marsh Creek	Ricketts Glen	Weiser (FD#18)
Codorus	Greenwood Furnace	Raccoon Creek	Oil Creek	Tioga (FD#16)	Shawnee	Nockamixon	Worlds End	

DCNR Renewable Energy



•Current Projects

- **24 Installations**
 - **1,343kW** installed
 - Up to **~\$182,00** annual savings
 - **485** metric tons/CO₂/year reduction
 - **2** net-zero parks

•Future Projects

- **By the end of 2025**
 - **4.77 MW** of solar installed
 - **~\$642,500** annual savings
 - Reduce grid energy by **5.58 GWh/year**
 - Equal to electricity consumption of **~525** U.S. homes

DCNR 2030 Renewables Goal



In September of 2022, DCNR announced that it will produce or purchase **100%** of its electricity from renewable sources by 2030.

○ The Plan

- Complete current DCNR-owned solar projects in queue.
 - **5.58 GWh/yr– 20% offset**
- Completion of DGS's 3MW PA PULSE solar PPA
 - **12.456 GWh/yr– 42% offset**
- DCNR will offset the remaining **38%** by utilizing the following strategies
 - Perform site assessments to design and construct additional DCNR-owned solar projects.
 - Procure renewable energy credits (RECs) to offset agency's remaining electricity usage.



Thank You!

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