



# 2023 Sustainability Summary Report





# OVERVIEW



The 2023 Sedona Sustainability Summary Report covers all sustainable-related projects, programs, and initiatives that were supported and run by the City of Sedona in calendar year 2023.

The City of Sedona continues to make progress in sustainability efforts and seeks to provide additional services to the public.

The Sustainability Department is proud to see the internal efforts made, and also those of residents and visitors which change our behaviors to protect our people, environment, and the future.

The Report Card covers five key areas: Land, Air, Water, Energy, and People.





# LAND

- Public Works Department recycled approximately 42,000 cubic yards of local gravel and concrete, saving approximately \$1.3 million and reducing emissions from hauling.
- The Sustainability Department deployed comprehensive recycling in all municipal buildings, ensuring far more materials are diverted away from the landfills and put back into product streams for reuse.
- The Sustainability and Public Works Departments installed 10 Waxie BigBelly smart waste receptacles to track waste collection rates and weights. These receptacles are powered by solar and notify Public Works when they are full, reducing driving, staff time, and hauling emissions.
- As a Proud Partner with Leave No Trace, the City of Sedona is able to share tools and resources to further educate residents and visitors about best outdoor practices.

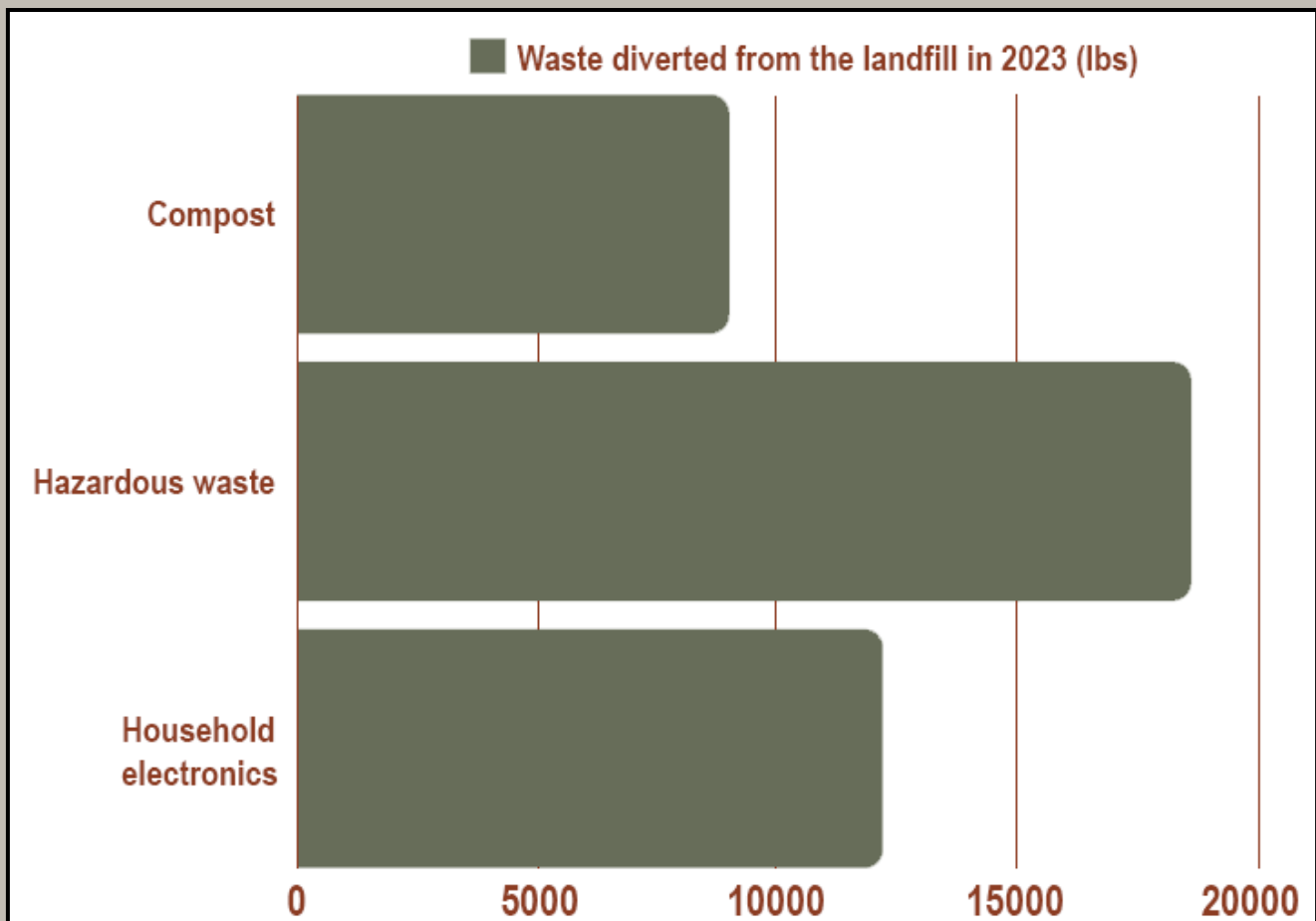


# LAND

- The Community Composting program expanded to support an additional 50 households (100 total) and diverted about 9,000 pounds of food waste.
- The Home Hazardous Waste Event diverted 30,796 pounds of hazardous and electronic waste.
- The Sustainability and Parks & Recreation Departments collaborated to host several low waste events and festivals. For example, the Sedona Food Truck Festival diverted 69.5% or 406 pounds of waste from the landfill.



The City Yard Waste Collection event, run by the Public Works Department, diverted approximately 508,000 pounds of residential yard waste material from local landfills! This program also helps the City reduce its vulnerability to wildfires.





# AIR

- The Public Works Department completed a shared use path between Navoti Rd. and Dry Creek Rd. They continue to add future pathway projects for more multi-modal transportation options.
- The Sustainability Department conducted its annual Greenhouse Gas (GHG) inventory. The inventory is a vital tracking tool to help with GHG reductions and identify what sectors need to be targeted for reductions.
- The Sustainability Department purchased 18 high-capacity bike racks and installed 13 of them in 2023 at public parks, trail heads, Park and Ride lots, and City Hall.
- The Sustainability Department purchased six e-bikes for City staff to reduce emissions from vehicle travel.





# AIR

- In March 2022, the City implemented a park-and-ride shuttle service for popular trailheads to reduce the number of vehicles on the road. In 2023, the shuttles transported 334,481 people to and from the trailheads reducing traffic, eliminating time spent looking for parking, and reducing emissions.
- The City Manager's Office recruited two local volunteer experts as Bicycle Coordinators to help the City improve the quality of its biking infrastructure and suggest future projects.
- The City continued to fund the Verde Shuttle which transported over 88,000 passengers in 2023. Funding public transportation reduces emissions, reduces traffic congestion, and helps people with low income and senior citizens cut costs by providing an alternative to buying and maintaining their own vehicle.





# WATER

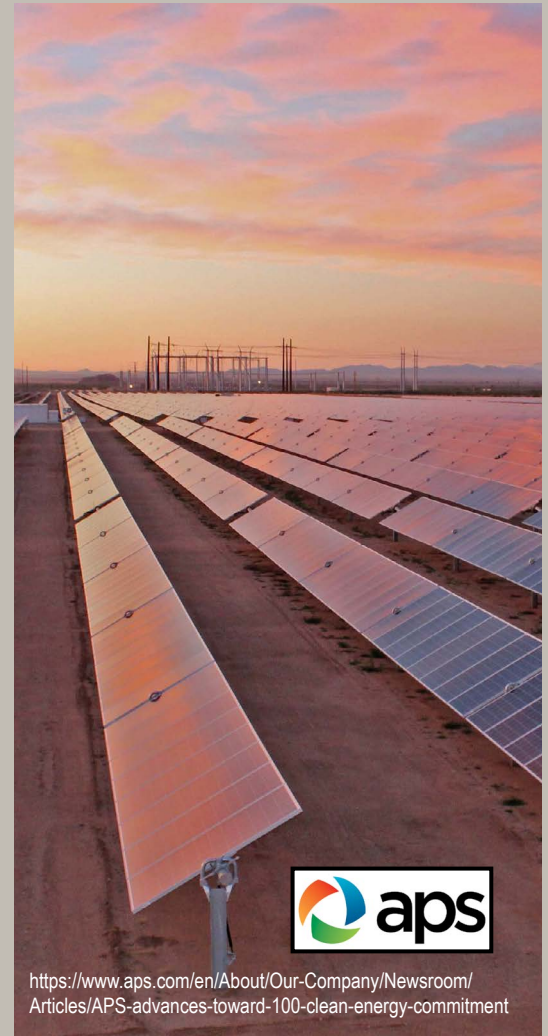
- The City Council decided not to install grass at the Community Dog Park, saving approximately 16,000,000 gallons of potable water over a five-year period.
- Over 5,217 pounds of pet waste was diverted from entering into Oak Creek due to the installation of dozens of pet waste stations.
- The Wastewater Treatment Plant re-injected 97.665 million gallons of water back into our local aquifer.
- The Sustainability Department participated in four Oak Creek clean-up events.





# ENERGY

- The Sustainability Department aided the City in joining a Green Power Purchase Agreement (GPPA) with APS which allows all City buildings to be powered by renewable energy, reducing municipal emissions associated with power generation by ~1.100 MT of CO<sub>2</sub>e in 2023.
- Sedona's Home Energy Retrofit Program upgraded 11 homes saving residents money and lowering their power consumption.
- The Sustainability Department successfully installed four DC fast chargers at Posse Grounds Park and two level-2 chargers at Sunset Park. All chargers are for public use.
- The Wastewater Treatment Plant upgraded multiple HVAC units which is projected to save ~ 8,100 kWh of power every year.





# PEOPLE

- The Sustainability Department conducted an Urban Heat Island Map campaign in collaboration with the National Oceanic and Atmospheric Administration (NOAA), Arizona's State Climatologist, CAPPALLC., and 26 Sedona citizen scientists.
- The Sustainability Department hired CAPPALLC. to research and produce a Heat Prevention and Mitigation Guidebook to help reduce the urban heat island and combat future heat waves to improve the livability and protect public health.
- The Parks & Recreation Department eliminated entrance fees for all City-hosted events to improve community participation and equity.
- The Sedona Police Department finalized the City's Emergency Evacuation Plan and launched the "Know Your Zone" program to ensure orderly evacuations if the need arises.

