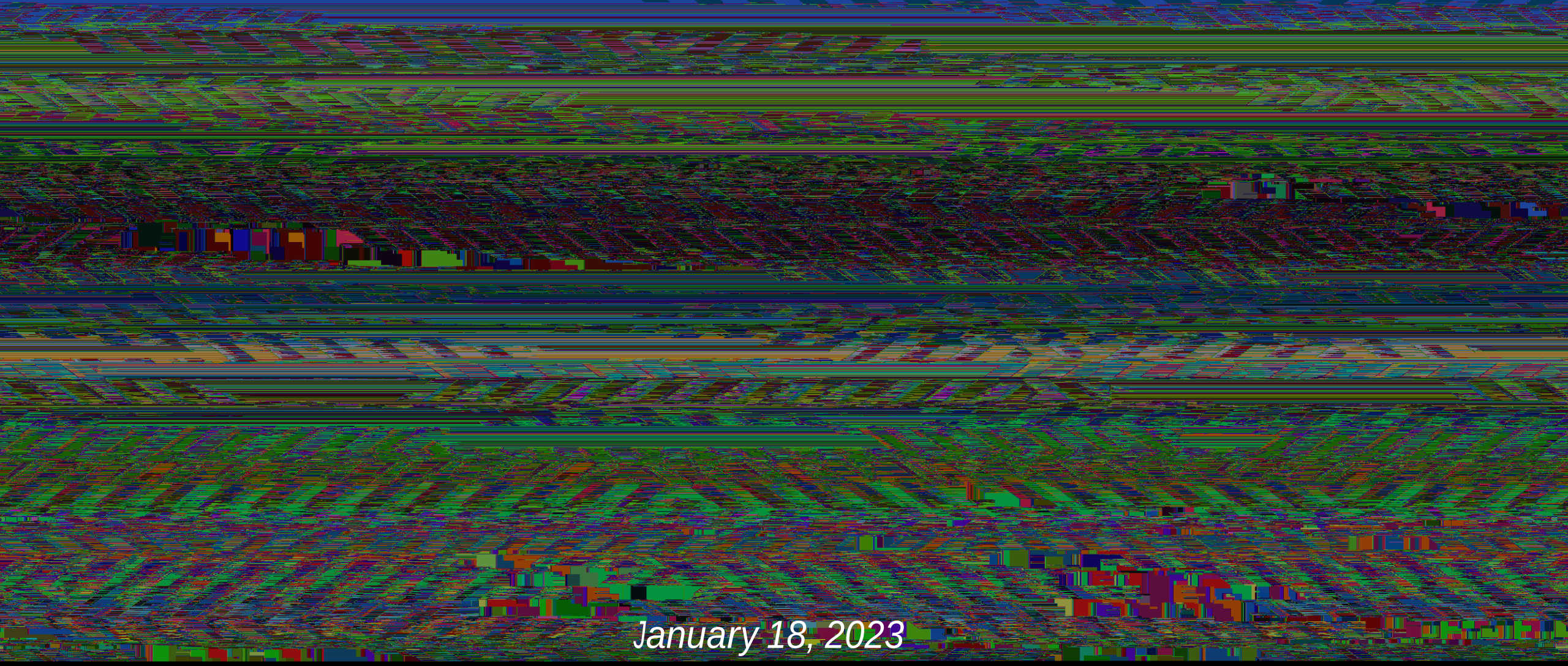
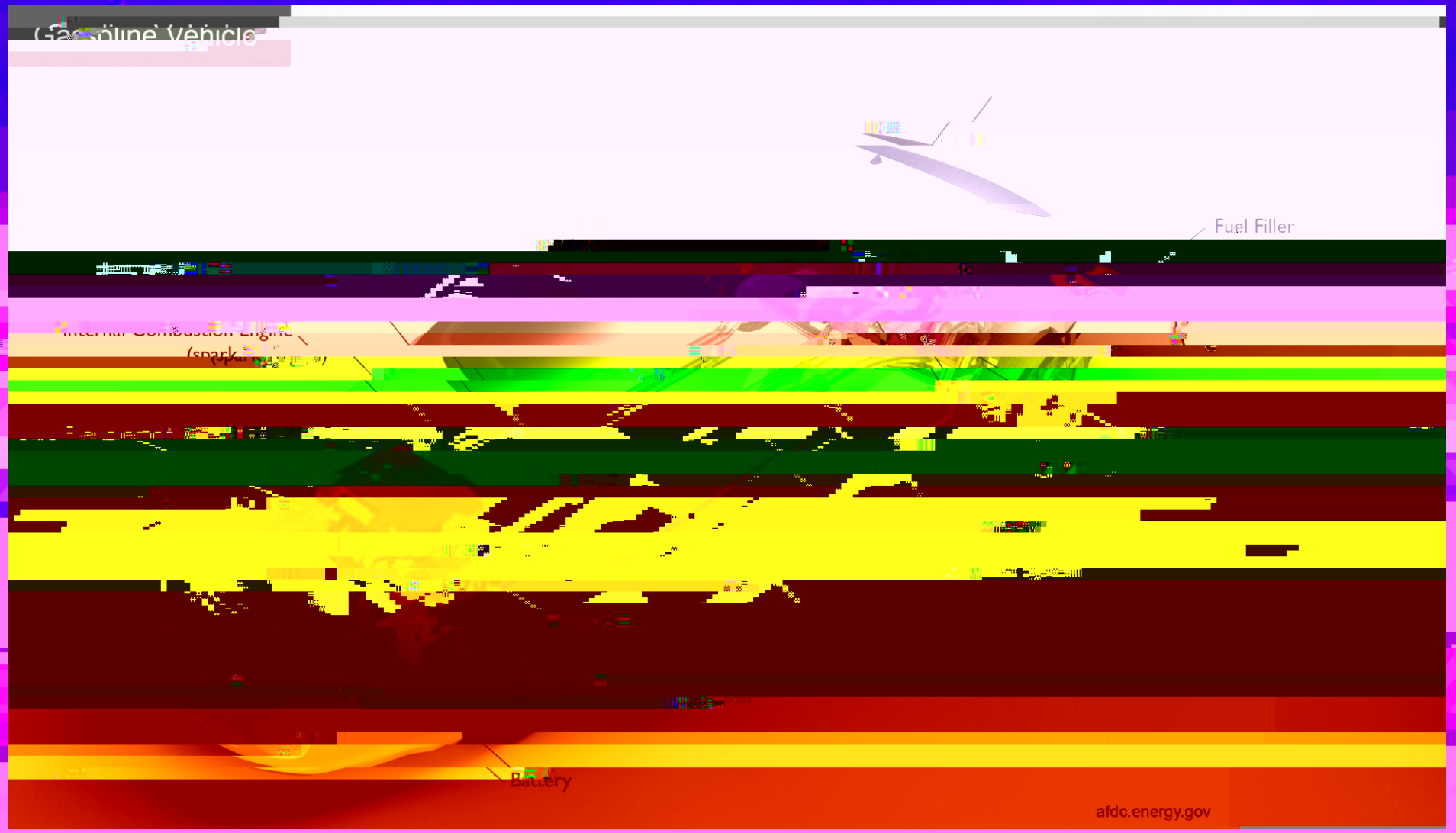
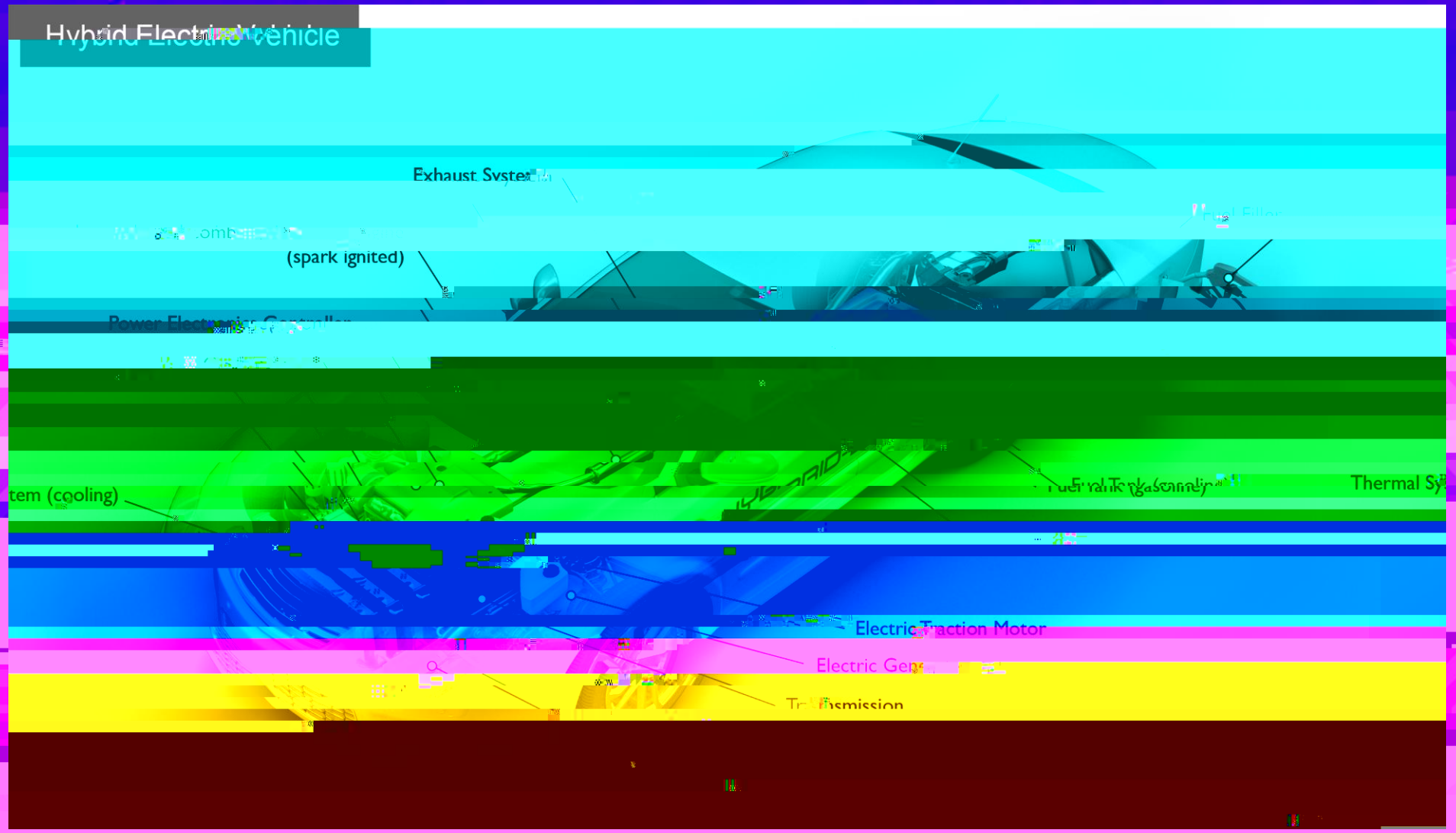

January 18, 2023

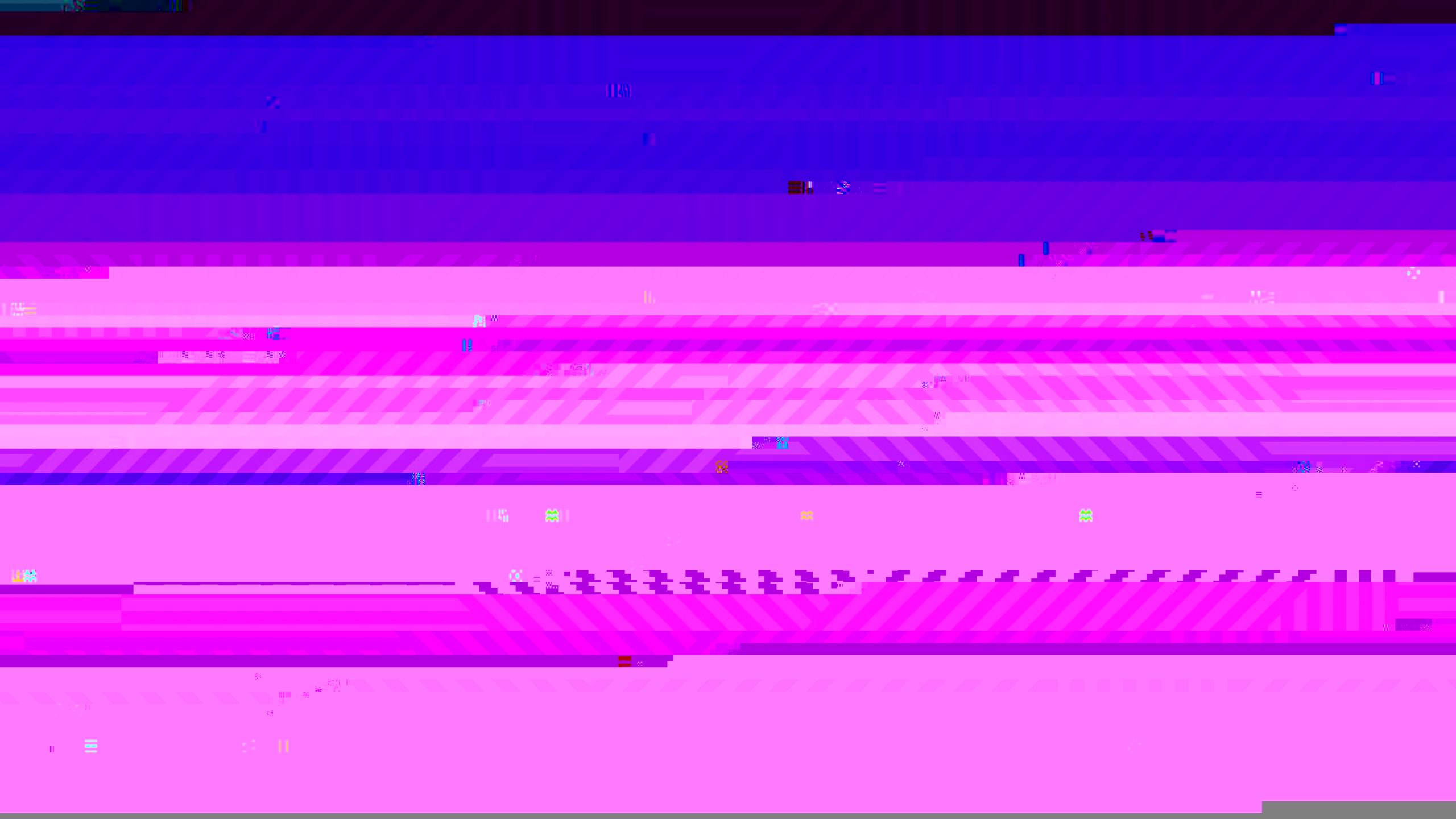
- Electric vehicles
- EV charging stations
- Questions / Discussion
- Trivia Question
- Next Meeting: February 15, 2023 at 10:00 AM

- Internal Combustion Engine (ICE)
- Hybrid Vehicles (HEV)
- Plug-In Hybrid Electric Vehicles (PHEV)
- Battery Electric Vehicles (BEV)


Fuel Filler
Battery
afdc.energy.gov


Hybrid Electric Vehicle
Exhaust Syste
(spark ignited)
Power Electronics Controller
tem (cooling)
Thermal Sy
Electric Traction Motor
Electric Ge
Tr smission

- Toyota RAV4 Hybrid
- Toyota Highlander Hybrid
- Toyota Prius
- Toyota Camry Hybrid
- Honda CR-V Hybrid

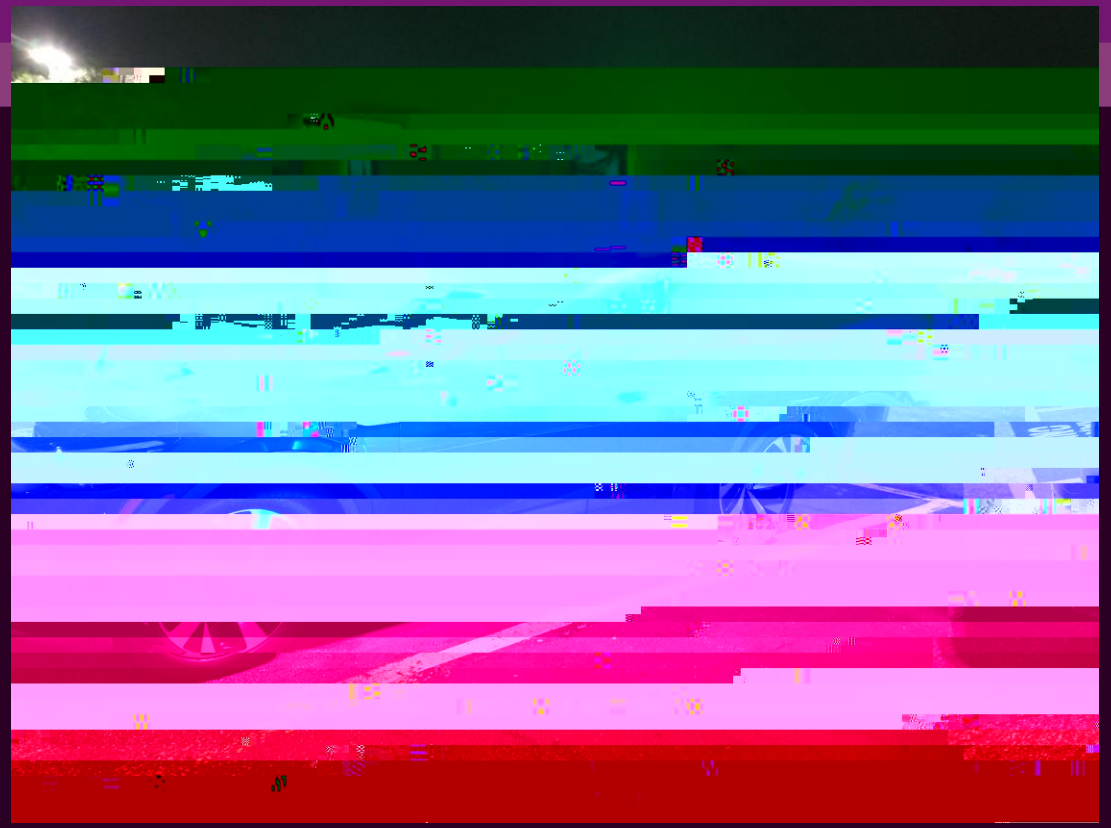


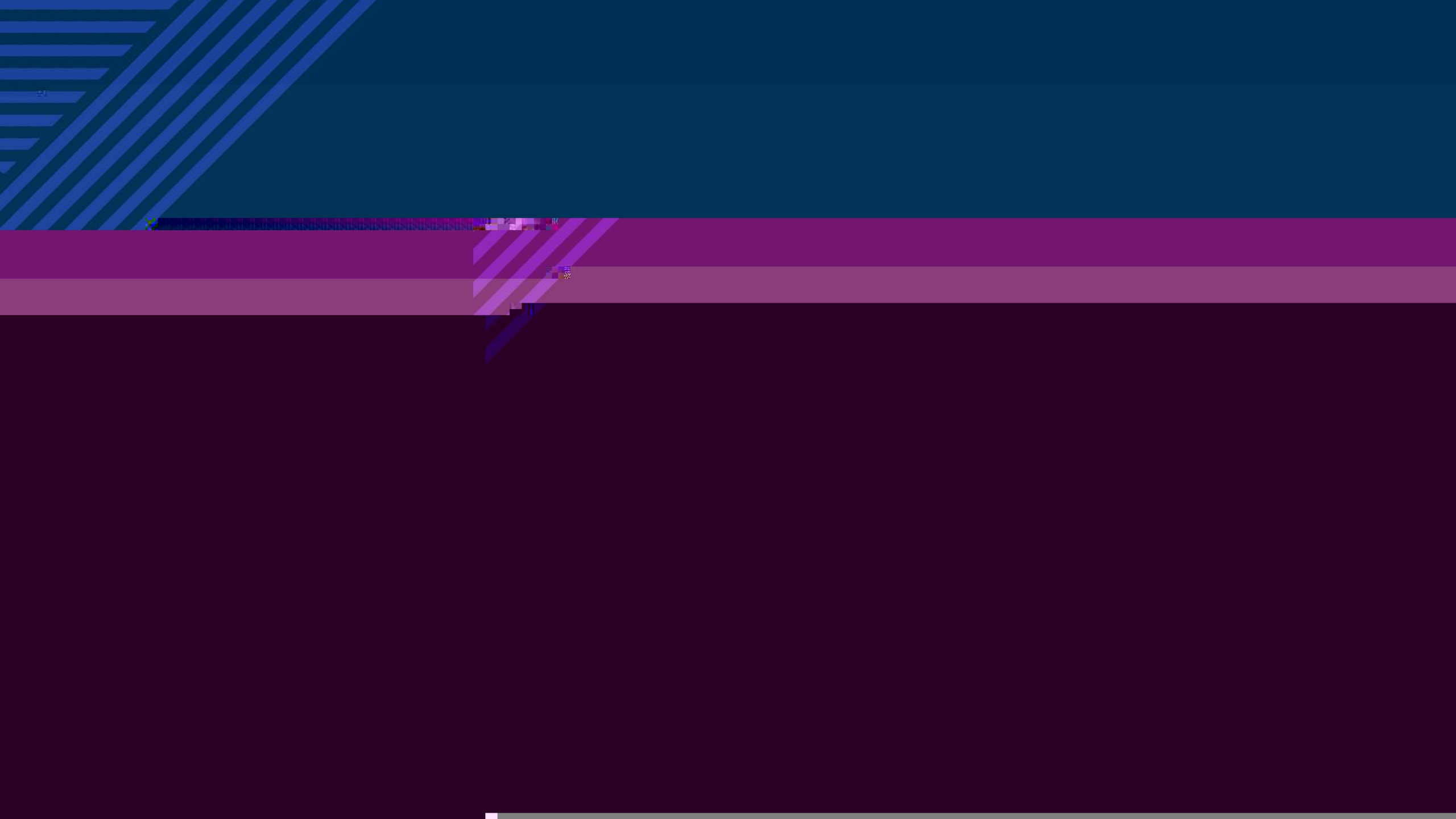
- Source: https://www.phoenix.gov/sustainabilitysite/Pages/Basics-of-Charging.aspx

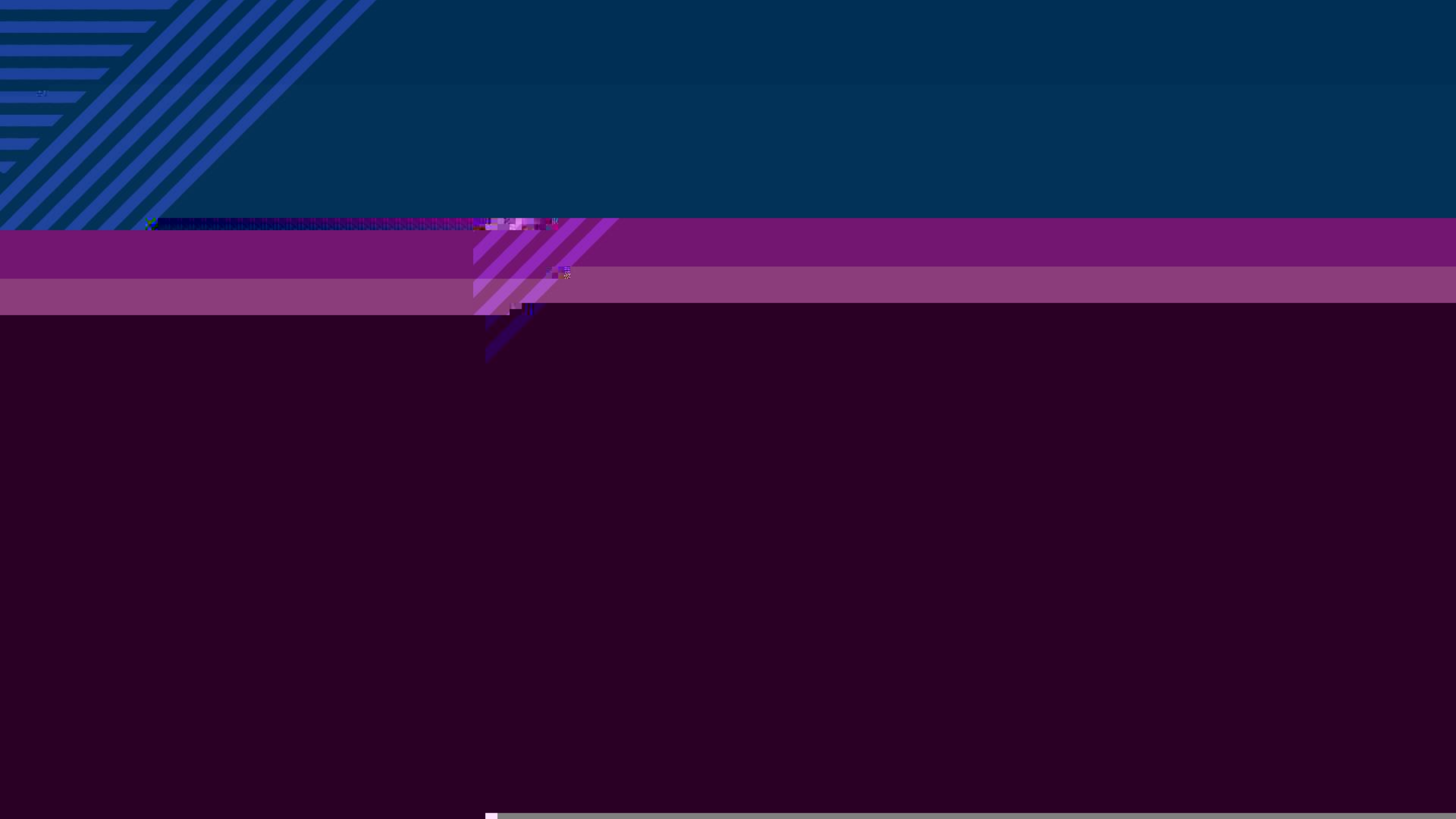
Source: https://electrek.co/2021/10/22/electric-vehicle-ev-charging-standards-and-how-they-differ/

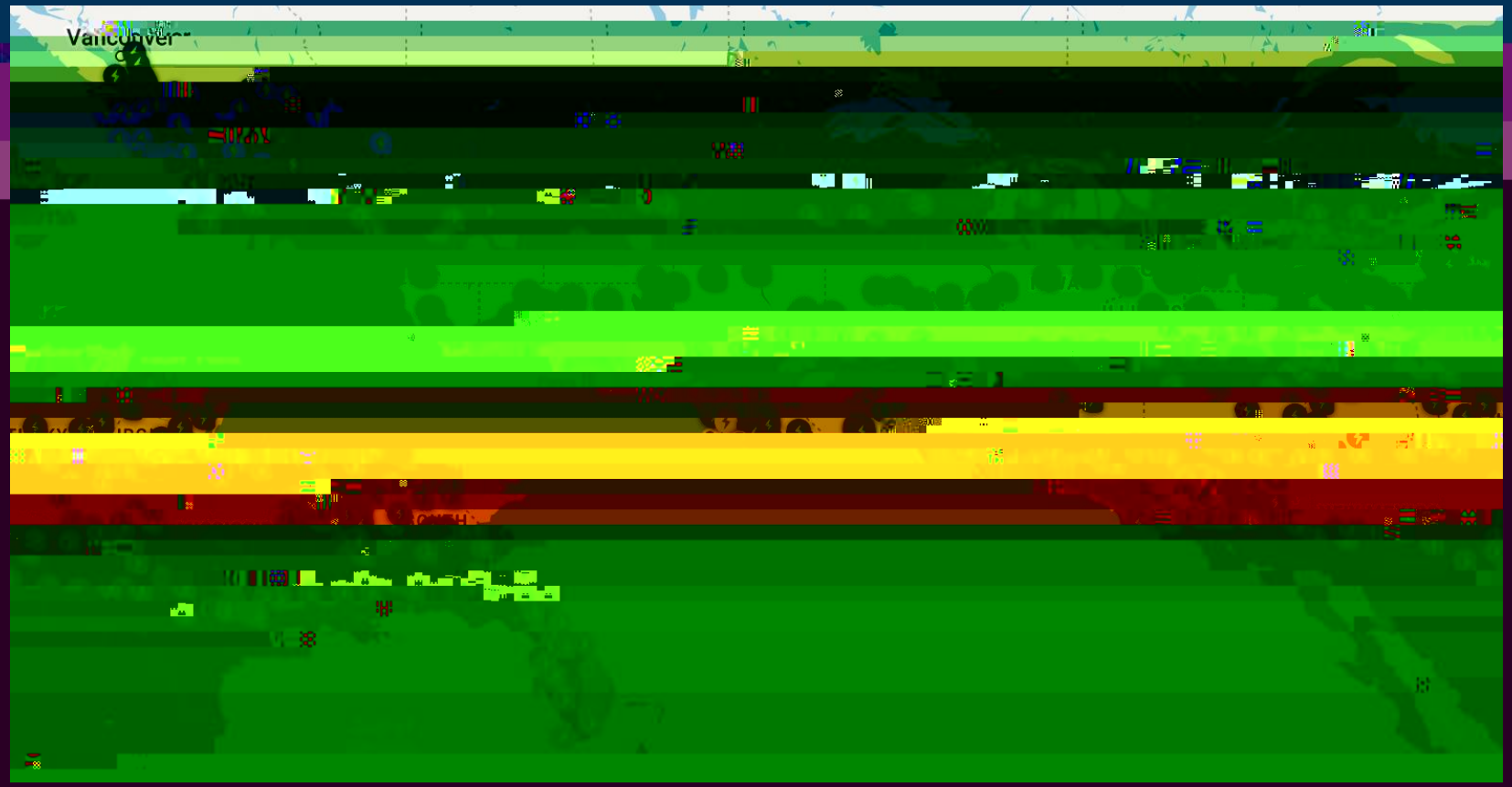
CHARGING SPACE
Reserved Parking for Electric Vehicles While Charging
4 Hour Limit
Violators will be cited and subject to tow

Row 5

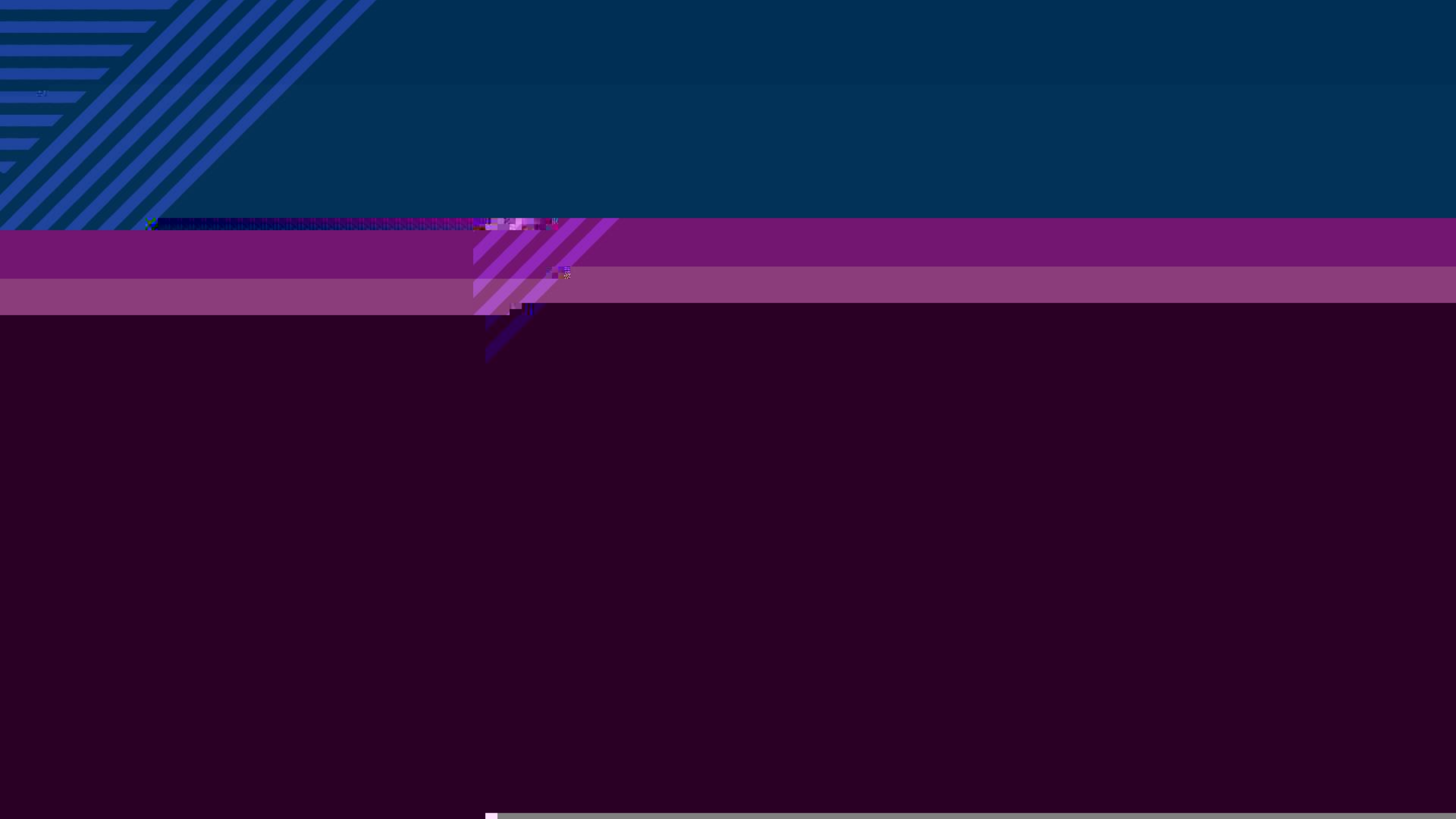




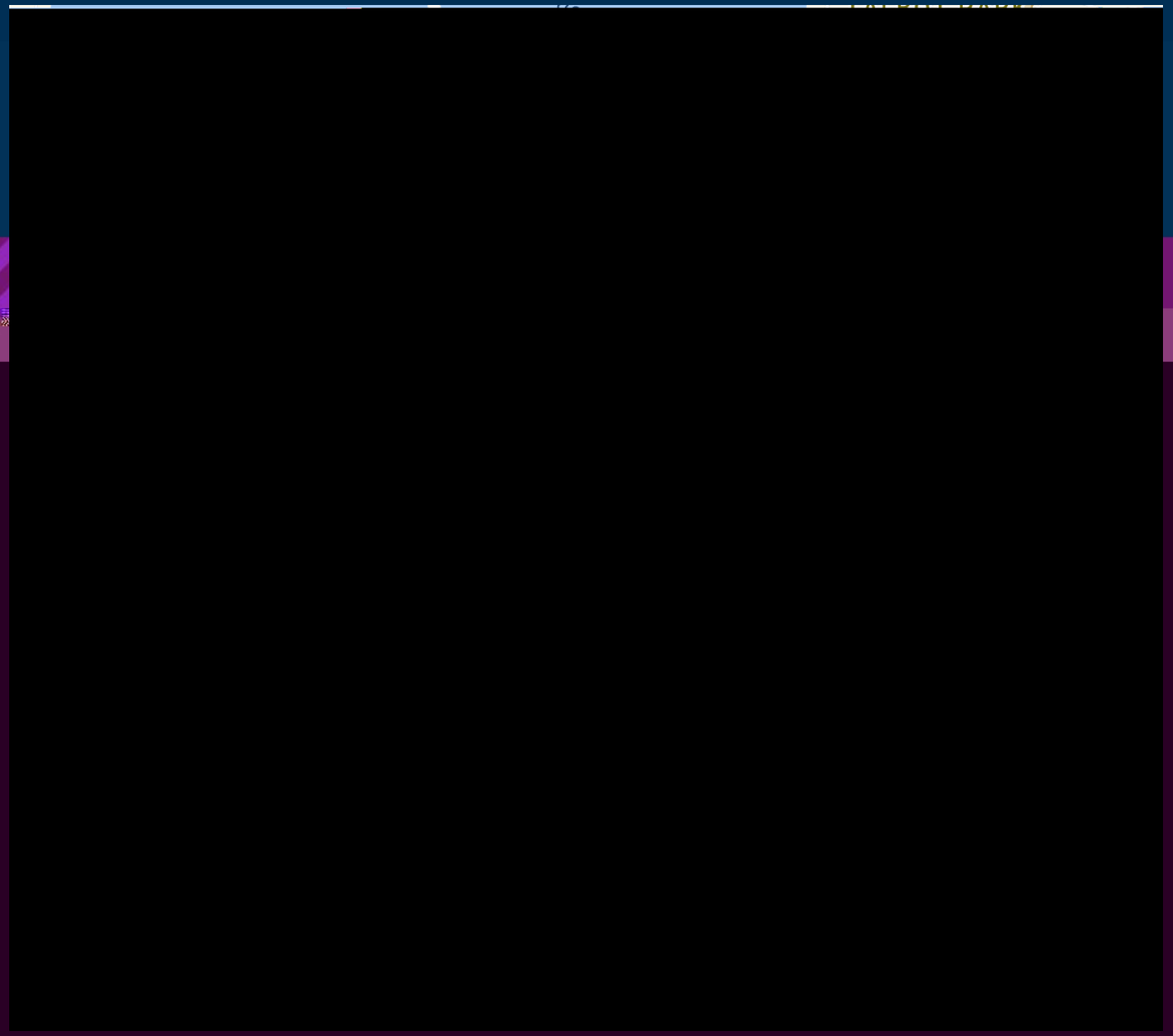




Source: https://www.electrifyamerica.com/locate-charger/



EV Charging Locations near ODU main campus

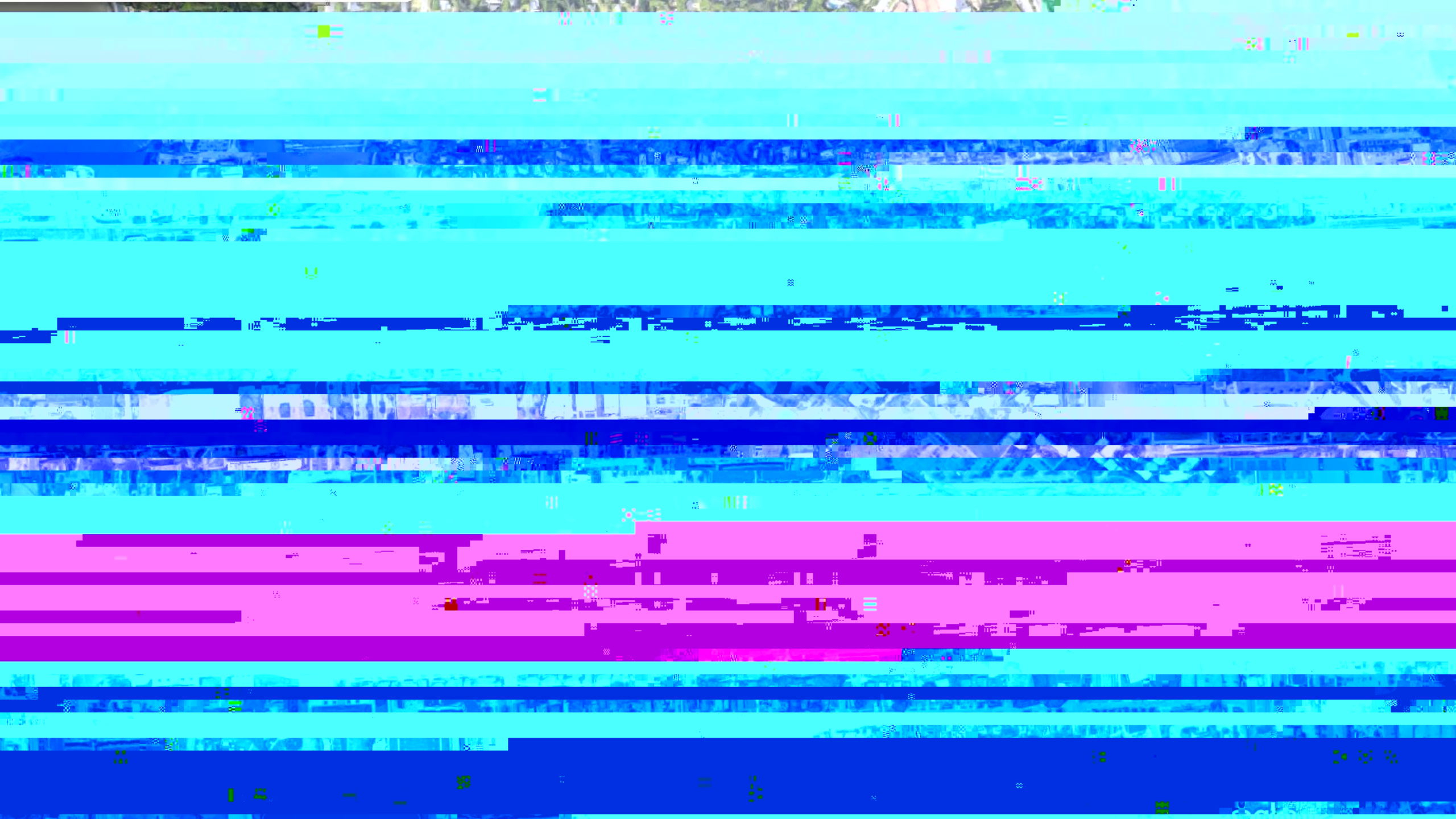


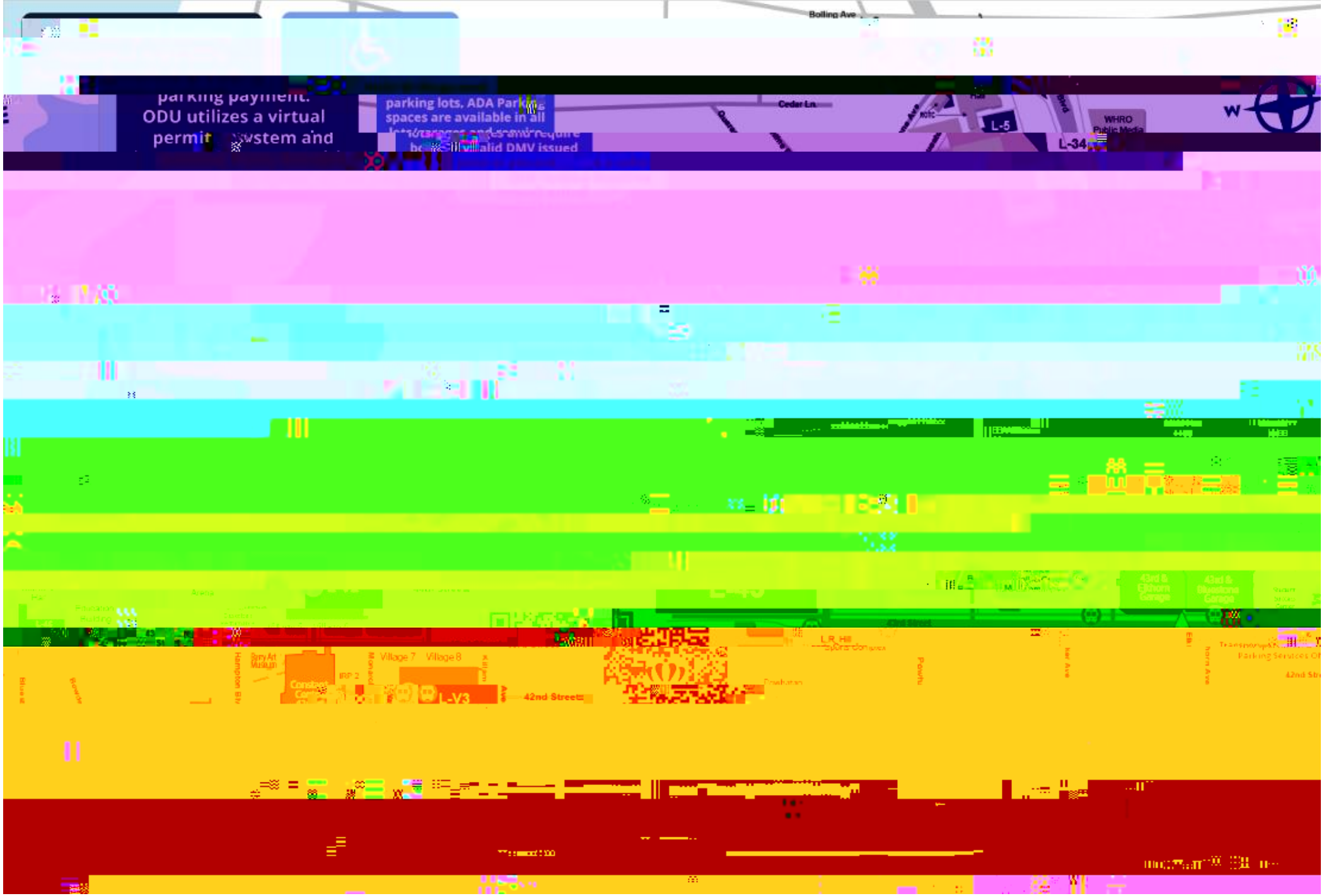
Source: https://www.plugshare.com

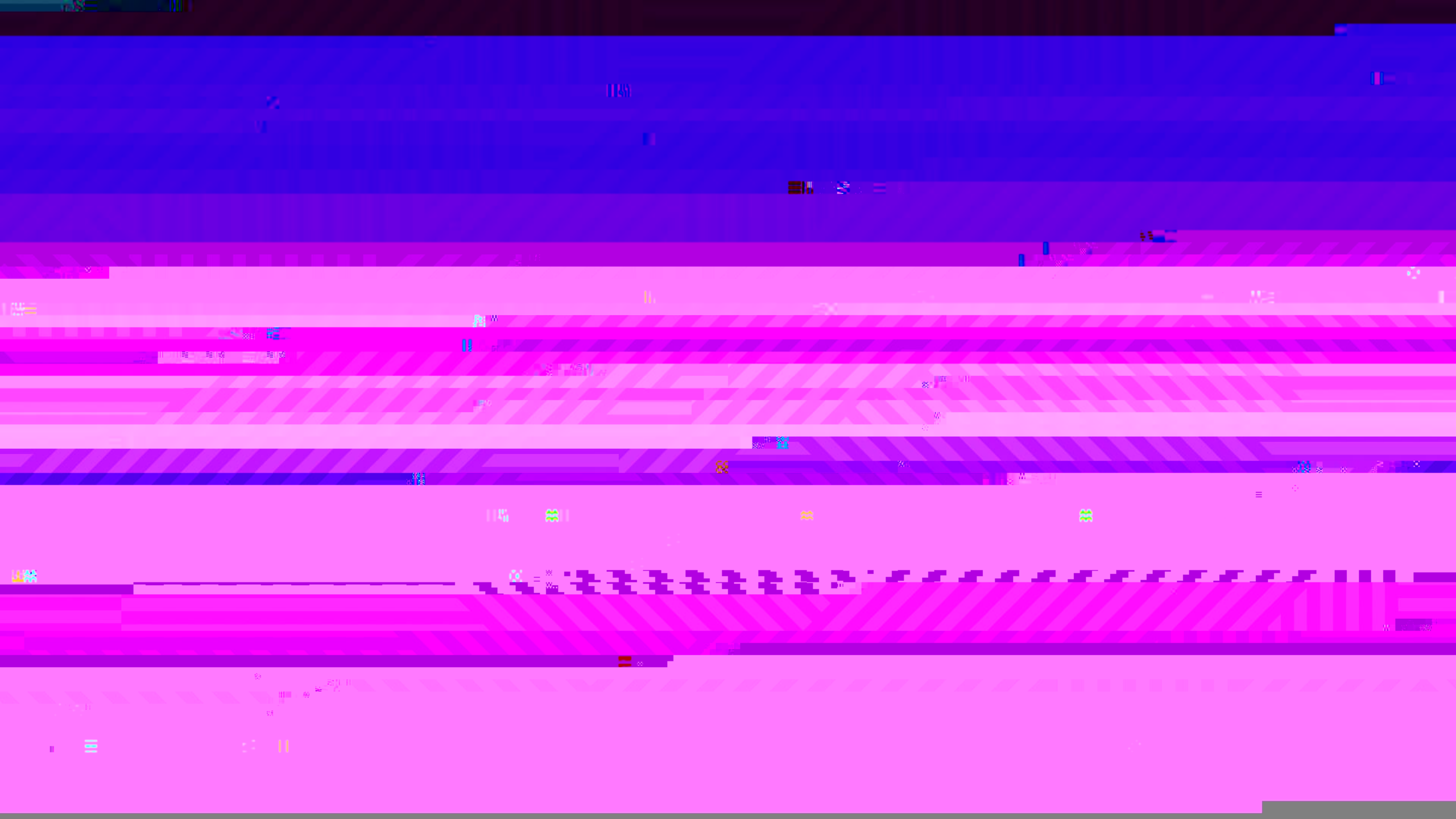
- Division of Engineering and Buildings (DEB) and Construction and Professional Services Manual (CPSM) stipulate specific requirements
- Capital Construction projects such as the new Biology building
- Provide both Electric Vehicle Parking Spaces (EVPS) and Electric Vehicle Charging Stations (EVCS). Number of spaces determined by occupancy calculations
- Long Term Planning: New construction projects shall provide capacity and infrastructure for ten (10) year future expansion
- Residential projects require the most (1 per 20 spaces until 2030, then 1 per every ten spaces), Other building occupancy types vary
- Required to be installed IAW Executive Order 45 (Floodplain Management)

Institution	Charging Stations
George Mason University	13
James Madison University	8
University of Virginia	2
Virginia Tech	3
Virginia Commonwealth University	4

- Parking Citations, Appeals, Boots, Tows
- Preparing for New Buildings / Capital Projects
- EVMS Integration




parking payment.
ODU utilizes a virtual
permit system and
parking lots. ADA Parking
spaces are available in all
Cedar Ln
Bolling Ave
L-5
L-34
WHRO
Public Media
W
Village 7
Village 8
L-V3
42nd Street

Where is America’s oldest continuously operating gas station?

Bonus: When did it open?