



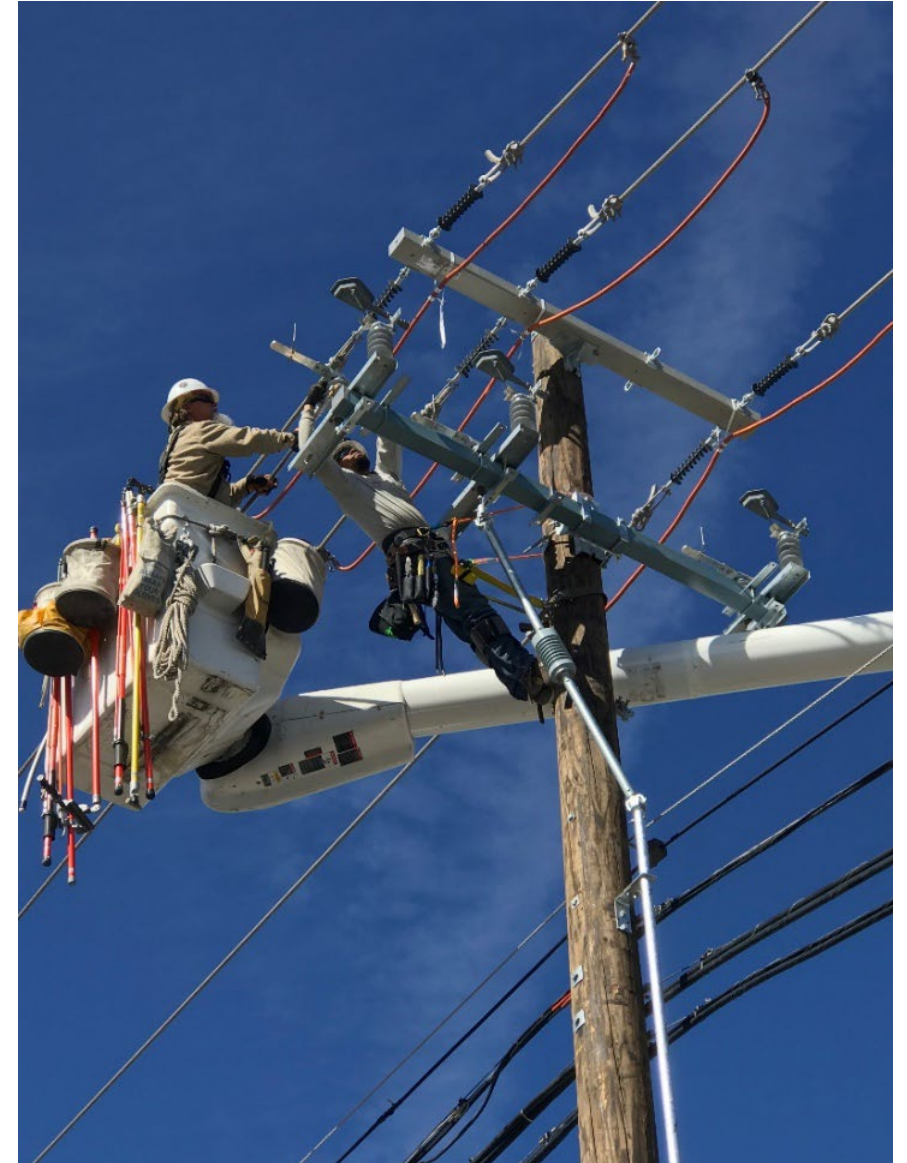
# NV Energy

March 21, 2023

# Company Overview



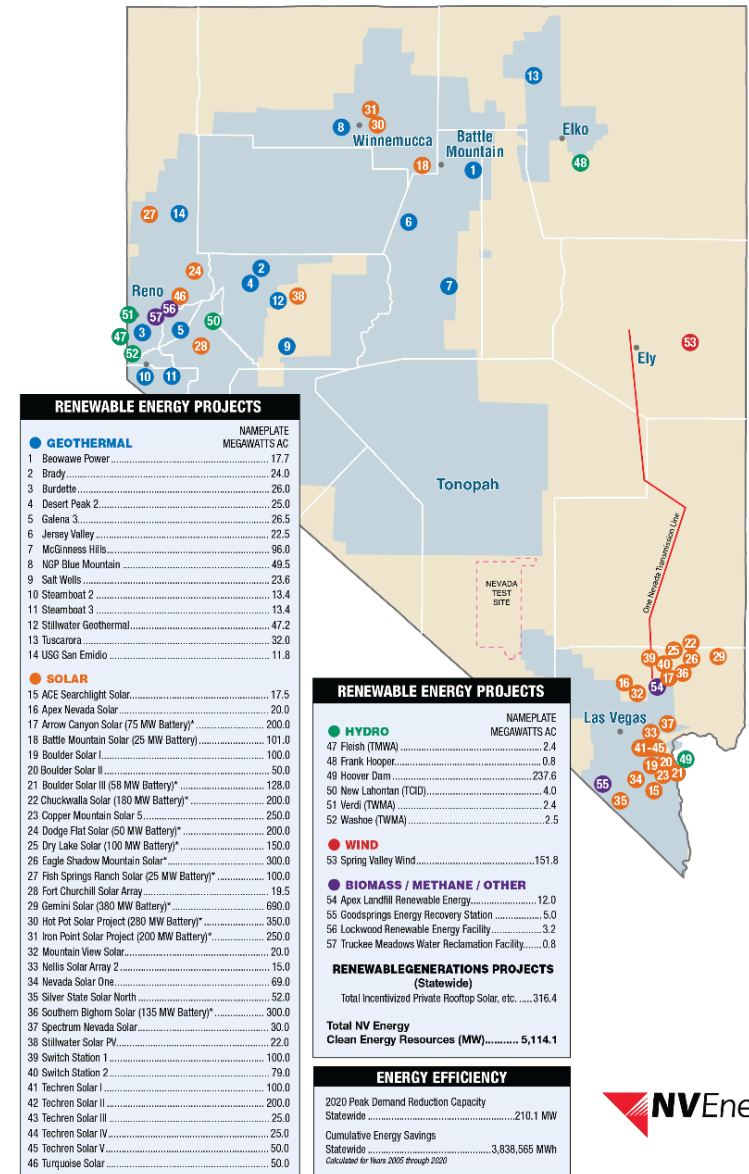
- Service area covers nearly 46,000 square miles throughout Nevada and about 90 percent of the state's population
- We serve more than 1.5 million customers and a typical state tourist population of more than 56 million annually
- 2,221 employees statewide
  - Average tenure is 14 years
  - Half of our workforce represented by the IBEW
    - Local 396 in southern Nevada
    - Local 1245 in northern Nevada
  - Total Payroll in 2021: \$308 million
- Total Taxes Paid in 2022: \$267 million



# Renewable Energy



- Our company has long understood the benefits of renewable energy and signed its first geothermal contract in 1987 – a decade before our state’s renewable portfolio standard (RPS) was established
- In 2021, NV Energy served customers with 31.9% renewable energy, surpassing the 24% requirement
- We are well on our way to meeting Nevada’s renewable portfolio requirement of 50% by 2030 and its net zero goal by 2050
- Our current portfolio consists of 57 large-scale geothermal, solar, solar plus storage, hydro, wind, biomass both in service and under development





# NV Energy

## Natural Disaster Protection Plan



### Background:

- Senate Bill 329 (2019) requires electric utility to submit a natural disaster protection plan to PUCN

### Program Elements:



Risk-Based Decision Making



Situational Awareness



Operational Practices



Emergency Response & PSOM



Vegetation Management



Conditional Awareness

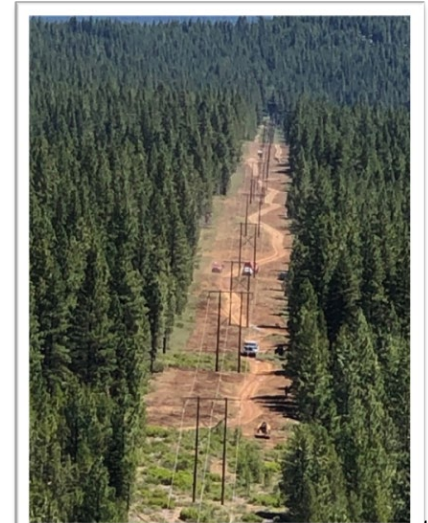


System Hardening



### Program Statistics:

- 65 Weather Stations and 11 Wildfire Alert Cameras
- “Fire Season” Operational Practices
- Vegetation Management
  - >2,000 miles and >70,000 unhealthy or hazard trees in these areas have been trimmed/removed
  - >19,000 poles grubbed
  - >32,000 acres fuel breaks
- Inspections, Patrols, Circuit Resiliency, and Corrections
  - >50,000 poles
  - 100% Priority 0 corrections completed
  - 567 pole replacements
- System Hardening
  - 3,400 (Tier 3 Tahoe) Expulsion Fuses Replaced
  - 2.8 miles (Tier 3 Tahoe) Copper Wire Removed
  - 4.5 miles (Southern Nevada non-wildfire)
  - 5.3 miles Covered Conductor Installed



# Community Based Solar Resources



## **Mohave High School**

- Completed March 9, 2022
- Carport facility that contains 1,000 solar panels
- 350-kilowatt capacity

## **Freedom Park (City of Las Vegas)**

- Targeted in-service date is on or before December 31, 2023
- Carport facility with approximately 1,500 solar panels
- 480-kilowatt capacity

## **Moana Springs Center (City of Reno)**

- Targeted in-service date is on or before December 31, 2023
- Community aquatics and fitness center with carport solar panels
- 409-kilowatt capacity

Projects will have a work site agreement with IBEW Local 357 and 396. Construction workers certified by the State of Nevada's Department of Employment, Training and Rehabilitation program will also be employed for the project.







# PowerShift

## Customer Programs by the Numbers

### Demand Side Management

**2023 Budget:** \$63M

**3 Year Action Plan Budget:** \$189M

**2023 Portfolio Performance Targets:**

- 1.1% of kWh sales
- 7% Low-Income
- 10% Historically Underserved Community

### Clean Energy

**2023 Budget:** \$10.33M

**Plan Budget:** \$295M

**Customer Touchpoints:**

- **NEM Installed:** ~105k
- **NEM Applications:** ~400 per week

**Portfolio Performance Targets:**

- Continued program ramp down and ongoing customer service .



### Economic Recovery Transportation Electrification

**2023 Budget:** \$56M

**Plan Budget:** \$100M

**Customer Touchpoints:** 120 sites

**Performance Targets:**

- 40% Historically Underserved Communities
- 20% Tourism & Outdoor Recreation
- 20% Behind the Meter<sup>3</sup>

### Transportation Electrification (Proposed)

**Proposed Plan Budget:** \$46.3M

**Plan Budget:** \$348M

**Customer Touchpoints:** 661 sites

**Performance Targets:**

- Various low-income and historically underserved community program requirements

# SB448 - Economic Recovery

## Transportation Electrification Plan (Sec. 49)








Accelerate Transportation Electrification

Economic Recovery & Job Creation Benefits

Prioritize Historically Underserved Communities

### Programs:

	<b>Interstate Corridor Charging</b>	Increase the availability of public electric vehicle <i>charging infrastructure along Nevada's highways</i> in the service territory of the electric utility and to <i>support electric vehicle tourism traffic to Las Vegas, the Reno-Tahoe area and across the State.</i>
	<b>Urban Charging</b>	Increase access to public electric vehicle charging infrastructure in metropolitan areas of this State, <i>particularly for customers who are unable to charge vehicles at their home or business.</i> Must also be designed to address the needs of tourists, delivery services and businesses that require access to public charging for fleet electrification.
	<b>Public Agency Electric Vehicle Charging</b>	To <i>serve the public, workplace and fleet electric charging needs of federal, state and local governmental agencies</i>
	<b>Transit, School Bus &amp; Transportation Electrification</b>	To serve the electric vehicle charging infrastructure, energy supply and energy storage needs of <i>transit agencies, metropolitan planning organizations, the Department of Transportation, public school districts and nongovernmental commercial customers</i>
	<b>Outdoor Recreation and Tourism</b>	To serve the electric vehicle charging <i>infrastructure, energy supply and energy storage needs of the tourism and outdoor recreation economy</i>

### Plan Allocations:

- **40% dedicated to historically underserved communities**
- **20% dedicated to investments in the Outdoor Recreation and Tourism Program**
- **20% dedicated to incentives for behind-the-meter investments in electric vehicle charging infrastructure or stations**

**Timeframe:** January 1, 2022 – December 31, 2024

**Investment:** Not to exceed \$100 million

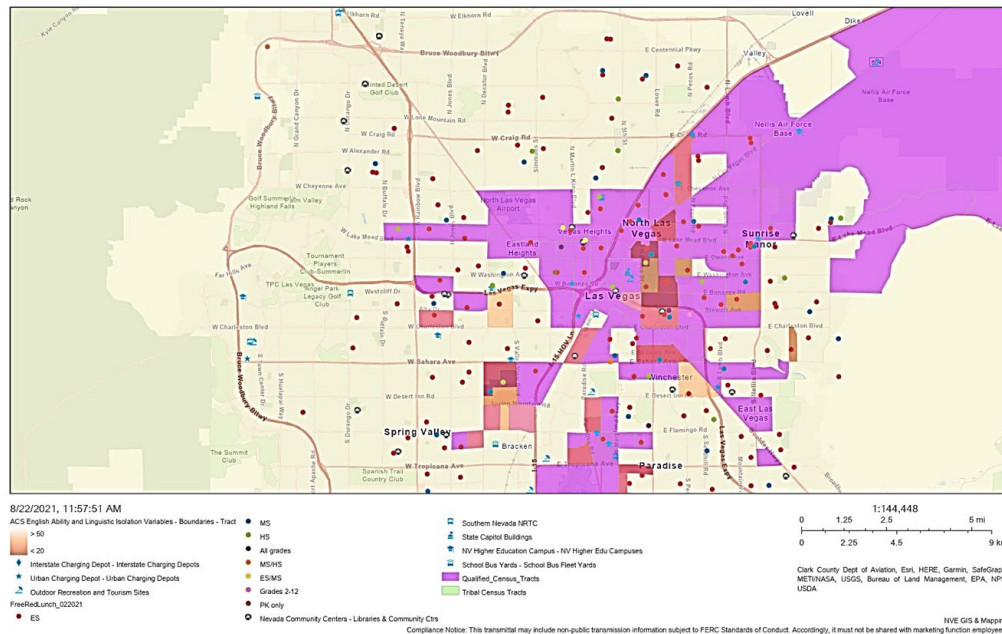
# Program Design & Site Selection Process



## Plan Design

As part of program design, NV Energy overlaid the possible sites prescribed by statute, such as school buses depots and transit agency depots, to identify locations in historically underserved communities, which also includes public schools, as defined above.

The possible sites for discretionary program design were then overlaid, such as community centers, colleges and universities, state capital buildings, and outdoor recreation and tourism sites.



## Historically Underserved Communities

- To increase access to the clean energy economy and meet the needs of historically underserved communities, NV Energy designed programs to prioritize investments in these communities as defined by statute.
- As designed, the Economic Recovery Transportation Electrification Plan will spend **at least 51 percent** of program spend in historically underserved communities, surpassing the 40 percent requirement





# NV Energy

March 21, 2023