NEVADA GOVERNOR'S OFFICE OF Energy

STATUS OF ENERGY REPORT 2023

Submitted to
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and the
LEGISLATIVE COUNSEL BUREAU

by the
GOVERNOR'S OFFICE OF ENERGY

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GOVERNOR'S OFFICE OF ENERGY

LETTER FROM THE DIRECTOR

Director Dwayne McClinton

Nevada's economy relies on the production of safe and affordable energy. It provides essential services to Nevadans and serves as a magnet for new businesses, new industries, and new jobs. For this reason, in 2023, Governor Joe Lombardo outlined a comprehensive and balanced energy policy for Nevada that embraces a wide range of fuels, technologies, and supporting infrastructure. The policy goal is to develop and maintain a robust and diverse energy portfolio that will ensure Nevada's energy needs are met. Our State is making significant progress toward this objective on multiple fronts.

Solar technology currently provides 23 percent of the states electricity, and that number continues to rise. Nevada's wealth of solar resources and favorable business environment consistently attract development, like Project Gemini. Project Gemini's 690-megawatt solar facility is anticipated to produce sufficient electricity to power 260,000 homes. Notably, it will also incorporate energy storage capabilities, enabling the utilization of surplus daytime energy during nighttime hours. A partnership between NV Energy and Energy Vault resulted in the 380-megawatt battery connected to the Project Gemini solar installation and an additional 220-megawatt battery project will be developed.

Many of the same technologies used to drill for oil and natural gas can also be used to generate geothermal energy by tapping into underground sources of heat. Nevada is one of our nations leaders in this field, generating almost 25 percent of the country's geothermal electricity.

Image courtesy of *Businesswire*

Thanks to Hoover Dam, Nevada is famous for hydroelectricity. We are writing a new chapter for this technology in Nevada as an energy storage solution. When surplus renewable electricity is used to pump water uphill into a hydroelectric dam, that renewable energy is effectively stored for later use. *rPlus Hydro* is planning to build a 1,000 megawatt pumped hydro energy storage project in White Pine County. *rPlus* estimates this energy storage facility could provide roughly 13 percent of Nevada's electricity needs for eight hours at a time.

LETTER CONTINUED

Hydrogen is a highly versatile fuel that can be used across the transportation, electricity, and industrial sectors. Air Liquide recently opened a production facility in North Las Vegas where it will process landfill gas into 30 tons of liquid hydrogen per day, enough to power 40,000 hydrogen fuel cell vehicles. This will be the largest facility of its kind operated by Air Liquide in the world.

Natural gas-fired power plants are currently Nevada's largest source of electricity. These plants provide critical support for renewable sources whose output changes based on weather conditions. Natural gas plants can also be dialed back as other sources of energy grow. According to the U.S. Energy Information Administration, natural gas fired power plants account for 56 percent of the state's electricity generation, the smallest share in 17 years.

A balanced energy portfolio doesn't stop with fuels. From manufacturing to mining, the engineers and scientists who are building new domestic supply chains for the energy sector are here in the state. One of the biggest plants for electric vehicles and batteries in the world is the Tesla's Gigafactory Nevada. After a $3.6 billion expansion, Tesla's Gigafactory Nevada will also build electric semitrucks.

This expansion aligns with another component of the state's energy policy, The Nevada Clean Trucks and Buses Incentive Program. This program was signed into law earlier this year to help small businesses and school districts overcome upfront costs of introducing electric vehicles into their truck and bus fleets. This allowed the small businesses and school districts to benefit sooner from the fuel and maintenance cost savings.

Nevada is one of the nation's leaders in producing the necessary materials to make electric vehicle batteries. Our state is currently home to the country's only operating lithium mine, resulting in strong private sector interest for more lithium production in Nevada.

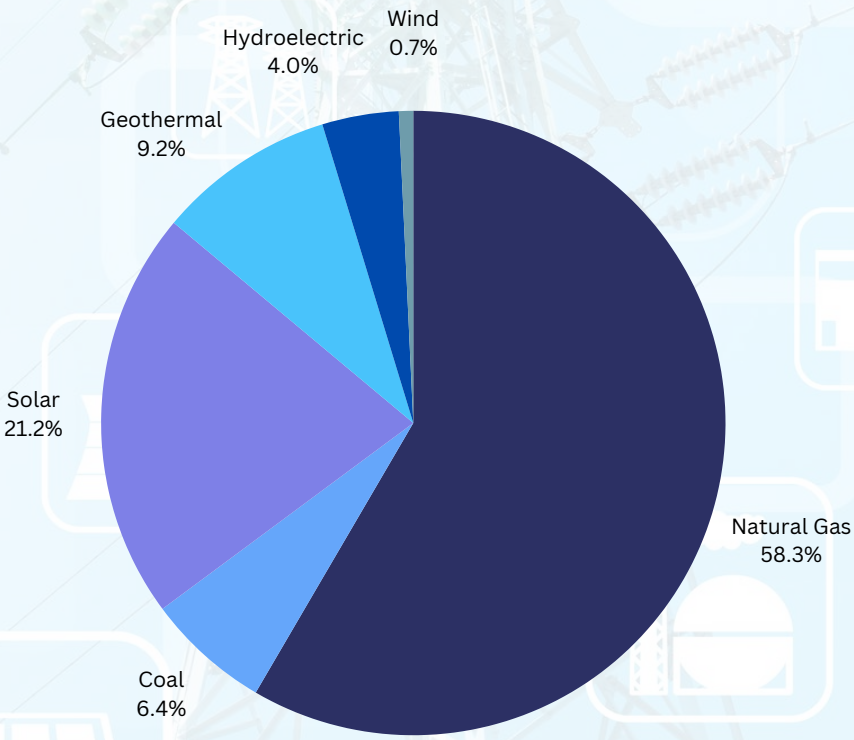
It takes a diversified and balanced approach to deliver the energy, investment, and jobs that Nevadans need and deserve.

Director Dwayne McClinton

ENERGY IN NEVADA

Nevada produces far less energy than it uses. In 2021, energy produced in-state made up only 17 percent of the total energy consumed. In March 2023, Governor Joe Lombardo issued Executive Order 2023-007 directing Nevada to pursue a diverse and balanced portfolio of energy generation resources, including natural gas and renewables (defined in NRS 704.7811 as biomass, geothermal, solar, waterpower, and wind).

Nevada leads the nation in solar power potential, and has already made significant strides in growing its solar energy capacity. Since 2016, the state's solar energy generation has nearly tripled. As of 2022, solar energy generation accounts for 23 percent of the state's total electricity. Currently, 37 percent of Nevada's electricity comes from renewable sources, helping meet the growing demands of the state, and ensuring homes and businesses can rely on a robust and secure energy supply.



FOSSIL FUEL ENERGY

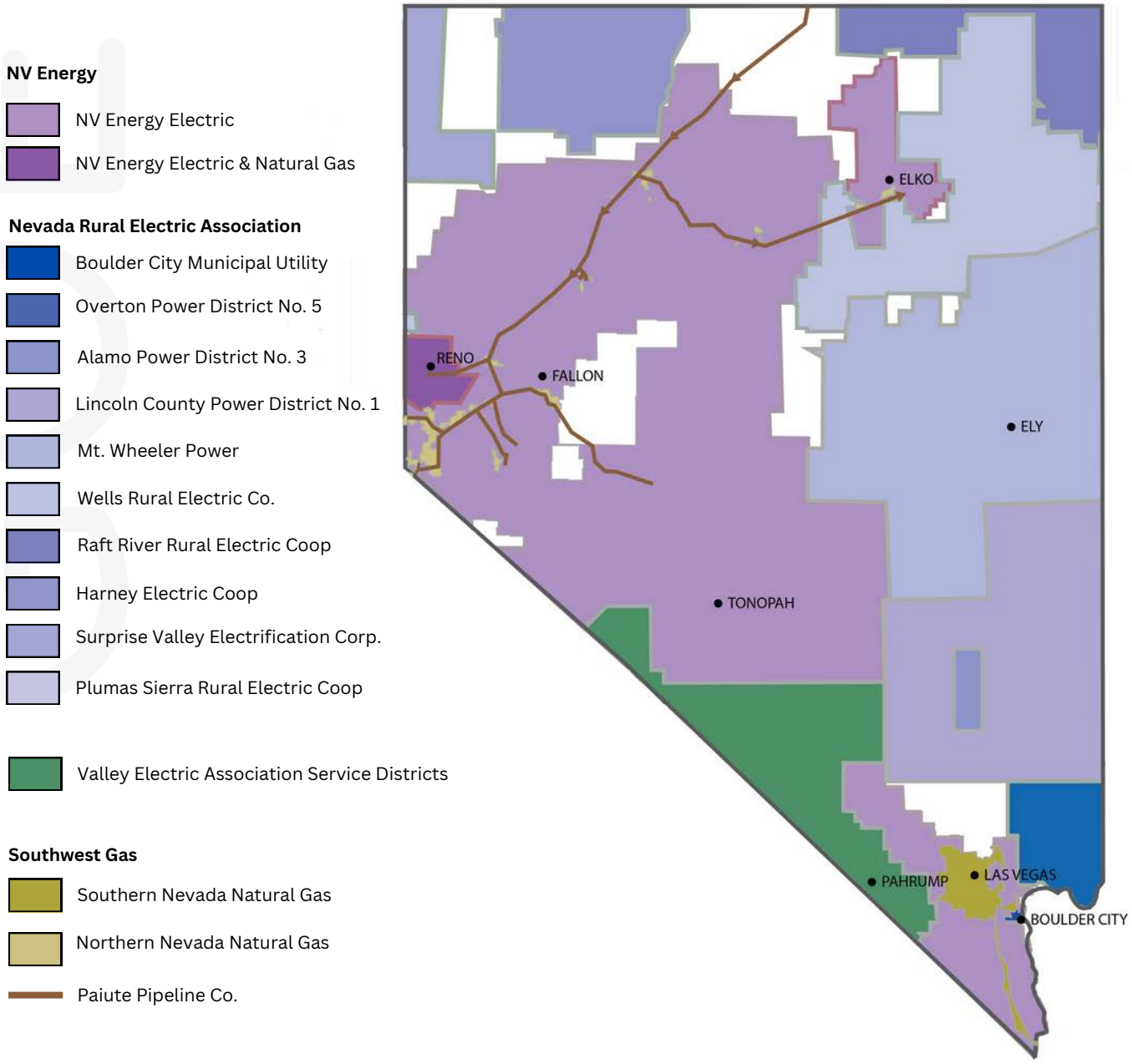
- **Natural Gas 24,844,422 MWh**
- **Coal 2,735,262 MWh**
- **Other 29,736 MWh (too small to chart)**
- **Petroleum 9,106 MWh (too small to chart)**

RENEWABLE ENERGY

- **Solar 9,029,593 MWh**
- **Geothermal 3,917,131 MWh**
- **Hydroelectric 1,685,783 MWh**
- **Wind 315,551 MWh**
- **Other Biomass 48,893 MWh (too small to chart)**

ELECTRIC UTILITY PROVIDERS IN NEVADA

NV Energy, the state's largest investor-owned utility, provides the vast majority of the state's electrical power. Electric cooperatives, private sector energy suppliers, Nevada's public agency supplier, public utility districts, and municipal utilities make up the remainder. Natural gas service is provided by NV Energy and Southwest Gas.



ENERGY ASSURANCE

The U.S. Department of Energy State Energy Program (SEP) Formula Grant provides funding and technical assistance to states, territories, and the District of Columbia to enhance energy security, advance state-led energy initiatives, and maximize the benefits of decreasing energy waste. Funding for the program is allocated to states according to a formula written into the federal formula grant regulations. For the most recent project period, the Nevada Governor's Office of Energy (GOE) was awarded $583,050.00. The SEP formula grant is used to fund general GOE staff activities related to focus areas of renewable energy, energy efficiency and programs to enhance the overall energy landscape of Nevada. In addition to the State Energy Program Formula Grant additional funding of $4,679,590.00 has been awarded to Nevada under the Bipartisan Infrastructure Law (BIL) to enhance abilities of existing programs through GOE and aide in additional projects with weatherization, the Energy Efficiency and Conservation Block Grant, outage prevention and grid resilience, and strengthening the battery supply chain.

ENERGY SECURITY

Preparedness and Emergency Management

The Nevada Governor's Office of Energy (GOE), in partnership with the Nevada Division of Emergency Management (DEM), collaborate regularly as both are committed to Nevadans in the event of an emergency. The GOE participates in training and exercises executed by DEM to prepare for emergencies as the GOE plays an essential role in understanding the Energy landscape in the State of Nevada. If activated during an emergency, GOE serves as the Emergency Support Function 12-Energy (ESF-12). In total, there are 15 ESFs, which all serve in their specific roles when activated by Emergency Management. ESF-12, in partnership with other governmental and private sectors, work to provide support, resources, implementation, and services that are most likely needed to save lives. All ESF's work together to protect property and the environment, restore essential services and critical infrastructure, and help victims and communities return to normal following domestic incidents.

Governor Lombardo addresses the Spring Thaw 2023 - Photo Courtesy of DEM

ENERGY IN NEVADA CONTINUED

In late 2022 and early 2023, Nevada experienced the New Year's Atmospheric River Event which resulted in flooding statewide. In February 2023, GOE was activated as ESF-12 due to the Kinder Morgan gas pipeline emergency and worked to minimize the impact to the Las Vegas valley.

Nevada experienced additional flooding after a precipitous winter with the Spring Thaw of 2023. Flooding was experienced across the state, in which GOE was activated again. GOE was also invited to participate in the Silver State Blackout Tabletop Exercise (TTX) in April 2023.

Atmospheric River Flooding Lincoln County - Courtesy of DEM

Silver State Blackout Tabletop Exercise - Courtesy of DEM

State Energy Security Plan

The Infrastructure Investment Jobs Act (IIJA)/BIL, introduced a new requirement for the state to submit a State Energy Security Plan (SESP) to receive federal financial assistance. The SESP's goal is to assess the current energy security circumstances of the state, and propose methods to strengthen the energy security abilities of Nevada. The SESP is due by September 30th of each year, this requirement sunsets October 31, 2025. If need be, an additional review and update may be made to the 2023 Plan during 2024, with a thoroughly reviewed and Governor-approved Plan being submitted to DOE by the end of September 2024.

Contracted with oversight by GOE, The Olson Group made significant improvements on several DOE required elements, and successfully submitted the draft to DOE on time in September of 2023. In January of 2024, The Olson Group and GOE plan to conduct a workshop which will include energy security scenarios to provide an in-depth understanding to stakeholders of the revised SESP, which aims to equip and build knowledge for successful implementation. The GOE, DEM, and The Olson Group have successfully worked together to create, revise, and review the SESP in response to the NRS 416.030(2) and federal requirement of the Department of Energy's State Energy Program (SEP) Formula grant (per Energy Policy and Conservation Act of 1975, Section 363, 42 U.S.C. 6322e and 6323e).

TRANSMISSION

Reliable, resilient, and accessible transmission in Nevada is at the forefront of many minds. Nevada is leaning forward by generating conversations and gathering knowledge as it considers new resources in energy transmission and infrastructure that is geographically diverse, enhances clean energy, and thoughtfully considers the future potential in wind and hydroelectric imports, as well as solar and geothermal exports.

Many resources and opportunities working together are underway in collected efforts to strengthen transmission in Nevada. GOE is excited to highlight projects such as the awarded IIJA/BIL Grid Resilience Formula Grant Program (40101d), the Regional Transmission Coordination Task Force (RTCTF), NV Energy's Greenlink Nevada, and the Southwest Intertie Project (SWIP).

Grid Resilience State and Tribal Formula Grant Program - 40101(d)

In an effort to strengthen and modernize America's power grid against wildfires, extreme weather, and other natural disasters, the DOE has awarded the State of Nevada $10,543,609 for years one and two of annual funding under the IIJA/BIL Grid Resilience State and Tribal Formula Grant Program through Section 40101(d). GOE plans to ensure an equitable energy future that leaves no one behind. To achieve this goal Nevada will focus on equitably sharing the burdens and benefits of energy production and consumption, while reducing the likelihood and consequence of disruptive events. Leading amongst the states, Nevada is pushing ahead on the activities required for this program and expects to open the sub-award application in the first quarter of 2024.

Regional Transmission Coordination Task Force

The Regional Transmission Coordination Task Force (RTCTF) was formed with the signing of Senate Bill 448 during the 81st Nevada Legislative Session and consists of 19 appointed members. The Task Force is charged with advising the Governor and Legislature on topics and policies related to regional electricity transmission in the West, including the costs and benefits of Nevada joining a regional transmission organization to provide access to a wholesale electricity market. The Task Force will provide a report on its activities every two years after the initial report provided on November 30, 2022. The RTCTF met on November 15, 2023. Meeting materials and information are provided on the GOE website and updated regularly.

ENERGY ASSURANCE CONTINUED

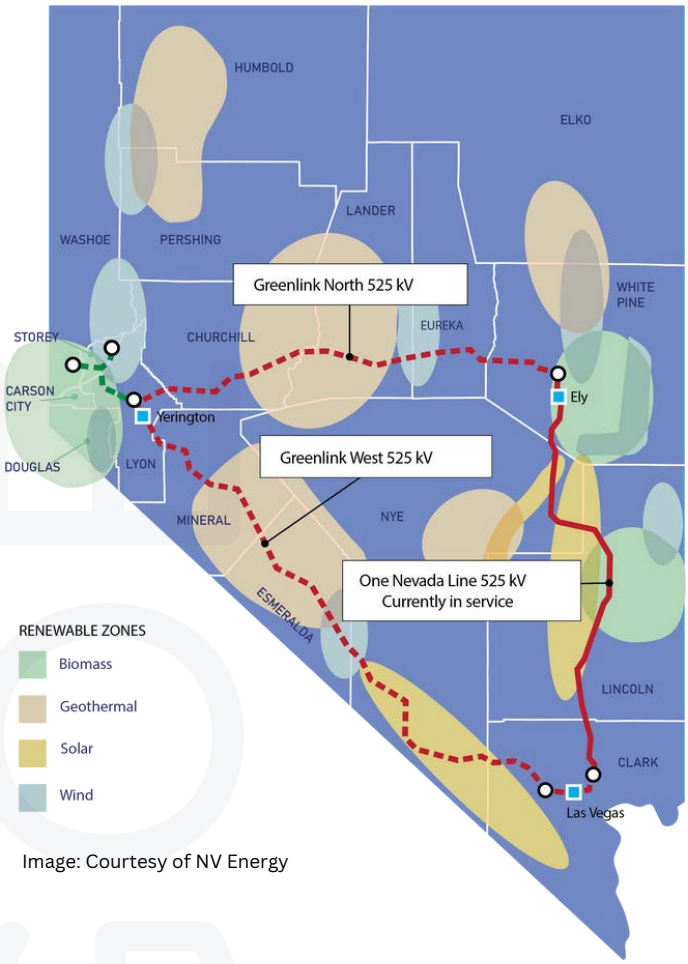


Image: Courtesy of NV Energy

NV Energy - Greenlink Nevada

Greenlink Nevada is a new renewable energy and infrastructure initiative that helps Nevada move closer to a future powered by increasing renewable energy and decreasing Nevada's carbon footprint. Greenlink Nevada consists of two main parts:

- Greenlink North will be a 525 kV transmission line that spans 235 miles, connecting the cities of Ely and Yerington. This segment will serve as a vital link in the energy transmission infrastructure, facilitating the transfer of electricity between these two locations.
- Greenlink West is a 350-mile, 525 kV transmission line that connects Las Vegas to Yerington. This segment will play a significant role in ensuring reliable power supply to both urban and rural areas along its route.

The new transmission lines will work alongside the existing 235-mile, 525 kV One Nevada Transmission Line (ON Line) connecting Ely and Las Vegas. Once completed in 2031, Greenlink Nevada will provide Nevadans with greater access to in-state renewable energy sources, reshaping the energy sector and enhancing statewide electric reliability. This initiative is also anticipated to generate job opportunities and support Nevada in achieving its emission reduction targets.

Southwest Intertie Project

The Southwest Intertie Project (SWIP) will connect Nevada to the Western Electric Grid, providing critical infrastructure to improve electric capacity and reliability statewide.

The first phase of SWIP, the 231-mile ON Line, is already in operation. Phase two of the project, DesertLink, is a 60-mile, 500 kV line near Las Vegas that serves as an energy pathway to California and Arizona. DesertLink has been in operation since 2020. The third phase of the project, SWIP North, is a 285-mile, 500 kV line that runs from Ely to Twin Falls, Idaho. This final transmission line is expected to be online by end of 2027.

In total, the SWIP Project will include nearly 570 miles of transmission lines that can transmit as much as 2,000 megawatts of electricity to Nevada and the Western Energy Grid. With transmission corridors running between California, Arizona, Nevada, and Idaho, these states can better meet customer needs during peak demand periods by reducing system congestion.

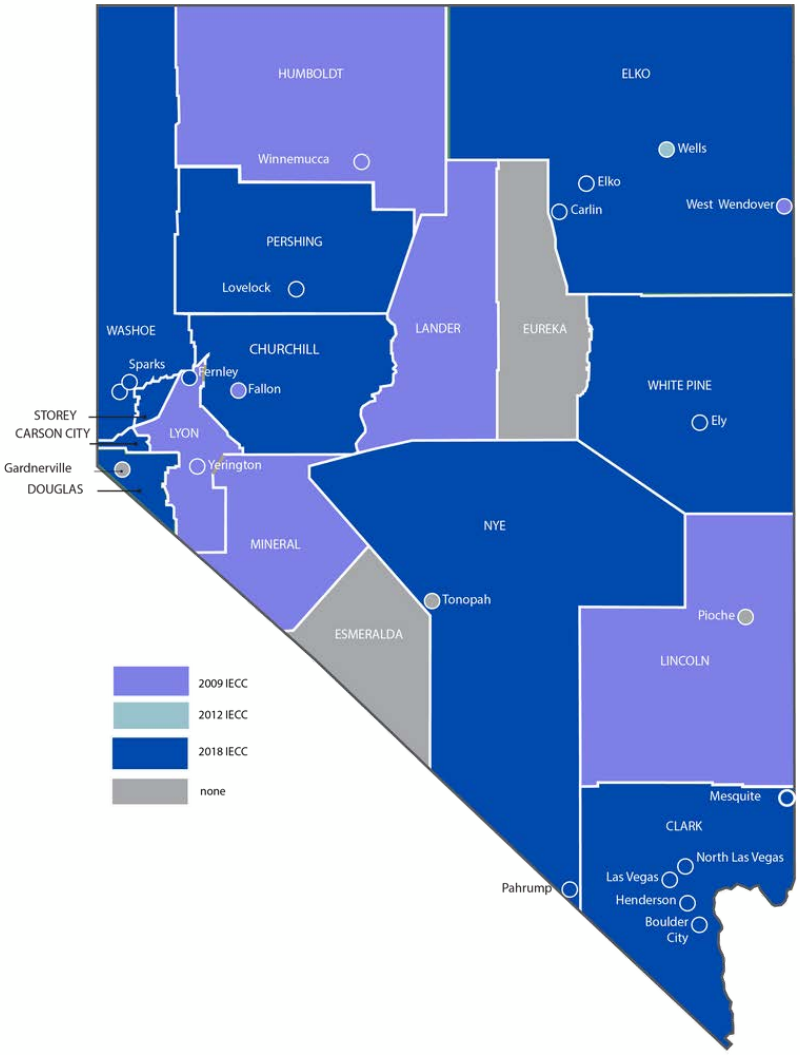
ENERGY EFFICIENCY

A diversified energy portfolio means more clean energy jobs for Nevada workers. This means new jobs in energy sectors such as geothermal, hydropower, and solar are expected to be on the rise. In fact, Nevada is leading the country in solar jobs per capita, producing enough solar energy to power nearly a million homes in 2022.

Energy efficiency is another growing sector in Nevada, with over 12,000 workers employed. The IIJA and Inflation Reduction Act (IRA) are providing funds to train auditors and contractors, helping the state meet the demand for updated homes and appliances.

GOE will be holding a workshop and hearing in the first quarter of 2024 to discuss adopting new regulations for energy efficiency on certain appliances sold in Nevada.

Many cities and counties in Nevada have adopted the International Energy Conservation Code (IECC), a standard that establishes minimum requirements for energy efficient construction and renovation of homes and businesses. The next update to IECC is set to take effect in 2024.



HOME ENERGY RETROFIT OPPORTUNITY FOR SENIORS

The Home Energy Retrofit Opportunity for Seniors (HEROS) program is a collaboration with the Nevada Housing Division (NHD) and their partners. The program assists with reducing energy costs for Nevada seniors by improving the energy efficiency in their homes. To date, a total of 1,148 homes have had improvements made through this program, benefiting 1,617 residents. Average annual cost savings is more than $1,000 per home, with a total of more than 6 million kWh of energy savings.

ENERGY EFFICIENCY CONTINUED

HOME ENGERY REBATE PROGRAMS

As part of the IRA, nearly $9 billion in rebates have been allocated for home energy efficiency and electrification projects nationwide. These rebates, funded by grants from DOE, are intended to save households money on energy bills, as well as reduce indoor and outdoor pollution. The rebates will remain available through September 2031.

Section 50121 of the IRA appropriates $4.3 billion for state energy offices to develop and implement a Home Efficiency Rebates program. These rebates will discount the price of energy-saving retrofits in single-family and multi-family buildings, with larger rebates offered to low-income households. Section 50122 of the IRA appropriates $4.5 billion for state energy offices to create a Home Electrification and Appliance (HEAR) rebate program, with $225 million allocated specifically for tribal governments. These rebates will provide households with appliance upgrades, as well as insulation and electrification improvements. Eligible entities include low- or moderate-income households and multi-family buildings.

The IRA has allocated $48,200,980 for Nevada's HOMES rebate program, and $47,920,160 for Nevada's HEAR program. In total, $96,121,140 has been allocated for home energy rebates across the state, with additional funding available for low-income households.

Per DOE guidance, GOE will complete a needs assessment for Nevada, which will help inform successful program design and management. GOE issued a Request for Proposals (RFP) in November 2023 to identify a suitable contractor, and will issue a second RFP next year for a separate contractor to carry out the program. GOE anticipates that the public will be able to apply for these rebates in late 2024 or early 2025.

PERFORMANCE CONTRACTING AUDIT PROGRAM

Performance contracting can be used to accelerate cost savings and energy conservation measures, without up-front capital. GOE provides financial and technical assistance to Nevada government entities to enter performance contracts for eligible projects, which include HVAC upgrades or efficient lighting.

The Performance Contracting Audit Assistance Program (PCAAP) funds financial-grade audits for entities looking to make energy efficiency improvements, helping determine if a performance contract will provide cost savings.

Since PCAAP's inception in 2014, GOE has awarded $1.9 million to accelerate performance contracting, resulting in project investments totaling $106 million, while creating an estimated 768 jobs, and saving more than 53 million kWh and 463,000 therms annually.

RENEWABLE ENERGY

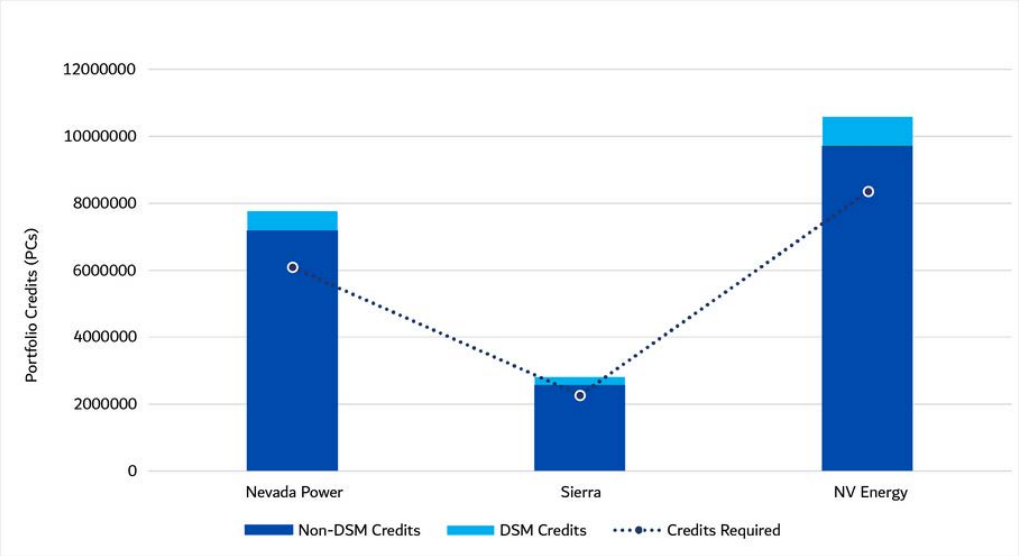
Receiving bipartisan support from state lawmakers in 2019, SB 358 has set an ambitious goal of having at least half of the electricity sold to customers come from renewable sources by 2030. This update to Nevada's Renewable Portfolio Standard (RPS), codified in NRS 704.7801, also directs state policies to:

- Encourage and accelerate the development of new renewable energy projects.
- Become a leading producer and consumer of clean and renewable energy, with a goal of achieving net-zero emissions by 2050.
- Ensure that Nevada residents receive the benefits of the diverse energy portfolio and energy efficiency measures.

The 2019 Legislature also determined that energy efficiency measures can be used to meet up to 10 percent of an energy provider's annual RPS requirement. By 2025, no portion of the RPS requirement can come from energy efficiency measures.

Energy providers are working to meet this challenge. NV Energy, the largest electricity provider in the state, reported that 36.7 percent of energy sold to customers in 2022 came from renewables, well over the 29 percent requirement. Currently, NV Energy's portfolio includes 55 utility-scale projects that use renewable energy sources.

2022 NEVADA RPS COMPLIANCE



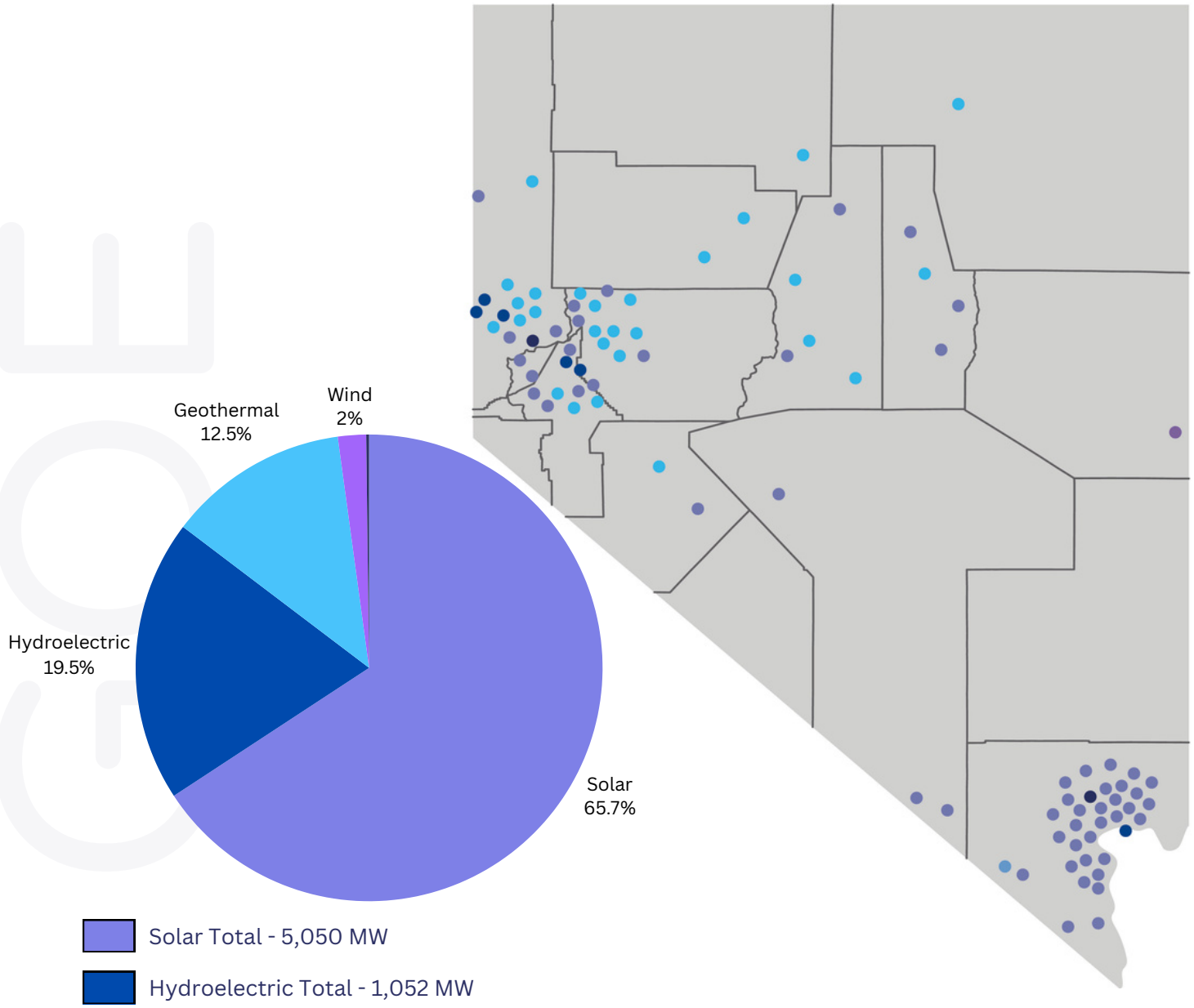
Data Source: NV Energy

Based on reports sent to the Public Utilities Commission of Nevada, NV Energy and its subsidiaries generated enough portfolio credits (measured in kWh) to meet Nevada's RPS requirements. Awarded credits are equal to the amount of energy saved through energy efficiency and conservation measures (demand-side management, or DSM) and by renewable energy generated (non-DSM).

Note: 2023 Nevada RPS Compliance data is available as of April 2024.

RENEWABLE ENERGY CONTINUED

RENEWABLE ENERGY PRODUCTION



- Solar Total - 5,050 MW
- Hydroelectric Total - 1,052 MW
- Geothermal Total - 962 MW
- Wind Total - 150 MW
- Biomass/Biogas/Landfill Total - 15 MW
- Waste Heat Total - 8 MW (too small to chart)

RENEWABLE ENERGY CONTINUED

SOLAR			
POWER PLANT NAME	**capacity (MW)**	**POWER PLANT NAME**	**capacity (MW)**
Apex Solar (Southern Power)*	20	Nevada Gold Energy*	300
Battle Mountain (Con Edison)*	101	Nevada Solar One (Acciona Solar)	75.7
Boulder Solar (Southern Power)*	100	Nevada Valley Solar Solutions*	15
Boulder Solar II (AEP Renewables)*	50	Patua Acquisition Project, LLC	10.6
CM 10 (Con Edison)	10	Playa Solar (I & II) (EDF Renewables)*	179
CM 48 (Con Edison)	48	River Mountains Solar	14.4
Copper Mountain 2-5 (Con Edison)*	754.6	Searchlight Solar (Altus Power)*	17.5
Crescent Dunes (Tonopah Solar)*	125	Silver State Solar North*	52
Dignity - San Martin (MN8 Energy)	1.7	Silver State Solar South*	260.1
Dignity - Siena Campus (MN8 Energy)	1.4	Soda Lake Solar*	24
Dodge Flat Solar*	200	Solar Las Vegas MB (1 & 2) (NRG)	6.4
Dry Lake Solar*	150	Spectrum Solar (Southern Power)*	30.2
Eagle Shadow Mountain*	300	Steamboat Hills (Ormat)	2
Fish Springs Solar*	100	Stillwater (EGP)*	20
Ft. Churchill (Sierra Pacific Power)	19.9	Stillwater (Enel)*	22
Galena 2 (Ormat)	3	Sunshine Valley Solar (EDP)*	103.5
Gemini Solar*	690	Techren Solar (I-V)*	400
Harry Allen Solar (AEP Renewables)*	100	Tesla Reno GigaFactory	6.7
IKEA Las Vegas (IKEA)	1	Townsite Solar*	180
Las Vegas WPCF (City of Las Vegas)	3.3	Tungsten Mountain	7.3
Luning Energy (Liberty Utilities)*	50	Turquoise Liberty Solar (Liberty Utilities)*	10
Moapa Southern Paiute (Arevon)*	250	Turquoise Nevada (Greenbacker)*	60
Mountain View (NextEra)*	20	Western 102 (NGM)	1
Nellis AFB (Solar Star NAFB)*	13.2	Yellow Pine Solar 1*	125
Nellis Solar (Nevada Power)*	15		
GEOTHERMAL			
Beowawe Power (Ormat)*	20.6	Richard Burdette (Ormat)	30
Blue Mountain (NGP)	63.9	Salt Wells (Enel)*	23.6
Brady (Ormat)*	21.5	San Emidio (USG Nevada)	11.8
Desert Peak (Ormat)	26	Soda Lake 3 (AMOR IX)*	26
Dixie Meadows*	14.3	Star Peak Geothermal	21.9
Dixie Valley (Ormat)*	70.9	Steamboat (II & III)	36.4
Don A. Campbell (I & II) (ORNI 47, 37)*	47.5	Steamboat Hills (I, II, & III) (Ormat)*	30.6
Galena II and III (Ormat)	43.5	Stillwater (ENEL)*	47.2
Jersey Valley (Ormat)*	23.5	Tungsten Mountain*	62.5
McGinness Hills (I & III) (Ormat)*	198.8	Tuscarora (Ormat)*	32
North Valley (Ormat)*	55	Whitegrass (Open Mtn Energy)	6.4
Patua Acquisition Project*	48		
HYDROELECTRIC			
Fleish (TMWA)	2	New Lahontan (TCID)	4
Hoover Dam (Nevada allocation)	1,039.40	Verdi (TMWA)	2.4
Lahontan (TCID)	1.8	Washoe (TMWA)	2.6
BIOMASS			
Republic Services Renewable Energy*	12	Waste Management Lockwood	3.2
WIND		**WASTE HEAT**	
Spring Valley Wind*	150	Goodsprings Waste Heat Recovery (Nevada Power)	7.5

*Indicates participation in GOE's Renewable Energy Tax Abatement (RETA) Program
Source: EIA 2019 Form 860, Schedule 3; RETA Program Data

RENEWABLE ENERGY TAX ABATEMENT

An additional principal initiative in delivering critical energy utility-scale projects to the state is Nevada's Renewable Energy Tax Abatement (RETA) program. RETA awards partial sales and use tax abatements along with partial property tax abatements to eligible renewable energy utility facilities. This program helps invigorate Nevada's tax revenue, as well as creating more jobs in a growing industry, by attracting clean energy developers.

Under RETA guidelines, eligible projects under construction must employ at least 50 percent Nevada workers and pay 175 percent of Nevada's average wage in addition to offering health care benefits to workers and their dependents. GOE reviews applications, conducts public hearings to determine eligibility, and reviews annual compliance reports after the abatements are granted. GOE has approved 63 renewable energy tax abatements since the inception in 2011, including large scale solar photovoltaic, solar thermal, biomass, geothermal, and wind turbine projects throughout the state resulting in:

- 15,979 construction jobs with an average hourly wage of $47 per hour.
- 623 operational jobs with average hourly wage of $38 per hour.
- Greater than $9 billion capital investment.
- Greater than $1 billion in Nevada wages.
- Greater than $8.5 million in property and sales/use tax benefits.
- A total nameplate capacity of 6088 megawatts of renewable energy (half of all the renewable energy production in Nevada).

Notes:
$9,252,699,381 in capital investment
$879,250,650 in sales/use tax and property tax
$1,133,281,482 in construction and operational wages

*R-STEP**

The planning and implementation of large-scale renewable energy projects is a complex process. Renewable energy siting requires state and local governments to approve the location and design of these facilities. If they do not have the time or resources to effectively address siting barriers, it can delay the deployment of critical energy facilities. To help streamline this process, DOE has committed $10 million to the Renewable Energy Siting through Technical Engagement and Planning (R-STEP) program.

R-STEP will support the creation of new (or the expansion of existing) state-based programs or initiatives that improve renewable energy siting processes at the state and local levels. Awardees will be able to help their local communities address renewable energy siting and planning issues, leading to a more durable and equitable clean energy future. There will be 5-7 awards given to state collaboratives of up to $2 million each. The University of Nevada Reno (UNR) is the primary applicant for Nevada's R-STEP program.

GOE will collaborate with UNR by engaging communities, local and tribal governments, and other stakeholders to identify priorities and resource needs for renewable energy planning, siting, and permitting. This includes conducting training and workshops with local governments and tribes to improve technical understanding of renewable energy planning and siting. Additionally, the team will create a tool to identify potential conflict areas with siting and wildlife, as well as a mapping program to help rural and tribal communities make informed decisions at the beginning of the siting process.

*SOLAR FOR ALL**

GOE is providing support to the Nevada Clean Energy Fund (NCEF) on NCEF's $250 million application for the Environmental Protection Agency's Solar for All funding opportunity under the Greenhouse Gas Reduction Fund (GGRF). NCEF's Solar for All (SFA) program will expand access to affordable, resilient, and clean solar energy for low-income and disadvantaged communities in Nevada.

GOE will support the SFA program by collaborating with NCEF to identify potential policy and regulatory opportunities for low-income and disadvantaged communities to better benefit and deploy solar systems. In addition, GOE will work with NCEF to help promote SFA to communities and eligible households statewide. GOE will also work with NCEF to coordinate SFA programs with other clean energy workforce and residential-serving energy programs administered by GOE. This will promote incentive stacking, streamline income verification, and ultimately deliver deeper benefits to Nevadans.

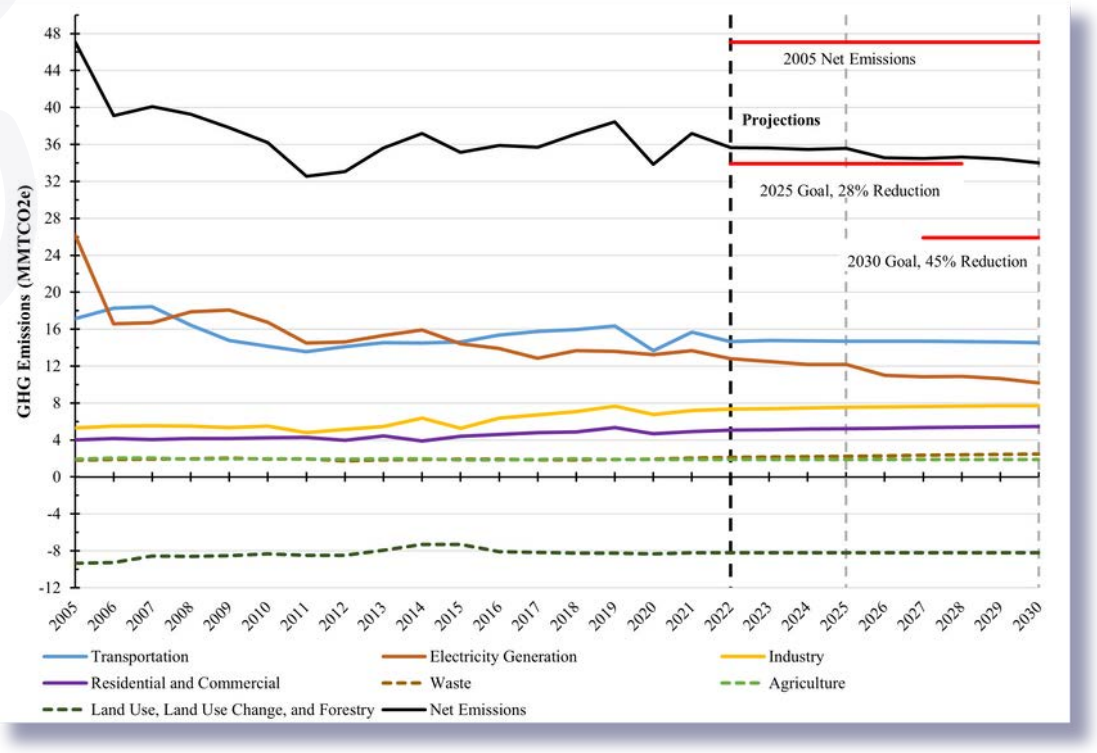
*R-STEP and Solar for All competitive grant applications have been submitted. Anticipated notice of award in the 1st calendar quarter of 2024

CLIMATE POLLUTION REDUCTION GRANT

The U.S. Environmental Protection Agency has provided funding through the Climate Pollution Reduction Grant (CPRG), which consists of two phases, planning and implementation. The Nevada Department of Environmental Protection (NDEP) received $3 million to fund the creation of a Priority Climate Action Plan (PCAP) and a Comprehensive Climate Action Plan (CCAP). NDEP and the GOE are working in collaboration to lead the development of the PCAP and CCAP for Nevada.

Additionally, NDEP and GOE are working closely with municipal and tribal CPRG recipients. CPRG recipients will be engaging in robust and meaningful statewide outreach throughout the lifecycle of the grant. In addition to including a broad list of Green House Gas (GHG) reduction strategies, the PCAP and CCAP plans will include ways to reduce GHG emissions that can be readily implementable and built upon for future improvement to air quality in Nevada. CPRG recipients will also evaluate the impacts of the potential implementation projects. Benefit analyses will be conducted in both the reduction of GHG and co-pollutants as well as conducted for Low-Income and Disadvantaged Communities (LIDACs). Quantified GHG reductions will be analyzed and workforce planning opportunities identified. Stakeholder and public outreach began August of 2023 and will continue through the end of the CPRG Planning Phase in 2027.

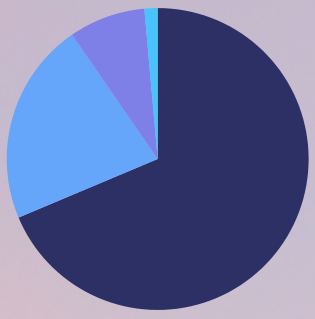
Nevada Historical and Projected Net GHG and Sinks by Sector, 2005-2030, with Projections in 2022 and Comparison to Nevada's Emission Reduction Goals for 2025 and 2030



Graph Courtesy of NDEP

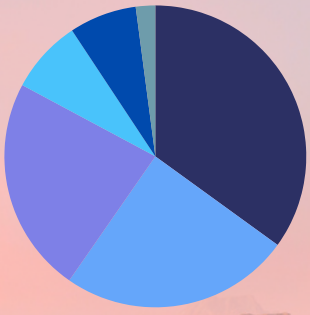
ABOUT GOE

Revenue



- RETA $1,872,616
- DOE State Energy Program $592,844
- VW Settlement $223,560
- Fees $38,500

Expenditures



- Personnel $1,044,449
- HEROS $736,970
- NV Electric Highway $691,585
- Operations & Admin $235,222
- Targeted Grants $215,507
- SEP Activities $62,258

Applicable regulations:

NRS	NAC
701	701
701A	701A

Vision

To provide all Nevadans affordable, reliable, sustainable, and clean energy choices through a holistic and realistic approach.

Mission

By maintaining and applying an understanding of the energy landscape in Nevada, GOE promotes policy, manages programs, and distributes federal funding to meet Nevada's energy needs.

GOE fosters thoughtful energy forecasting and planning, promotion of research and development in the energy sector, maximization of Nevada's energy resources, and the wise use of energy.

Programs

- Building Energy Codes
- Green Building Tax Abatements
- Home Energy Retrofit Opportunity for Seniors (HEROS)
- Lower Income Solar Energy Program (LISEP)
- Performance Contracting Audit Assistance Program (PCAAP)
- Renewable Energy System Determinations
- Renewable Energy Tax Abatements (RETA)
- Home Energy Rebate Programs Renewable Energy Siting through Technical Engagement and Planning Program (R-STEP)
- Solar for All Program (SFA)

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