



# Legislative Committee on Energy

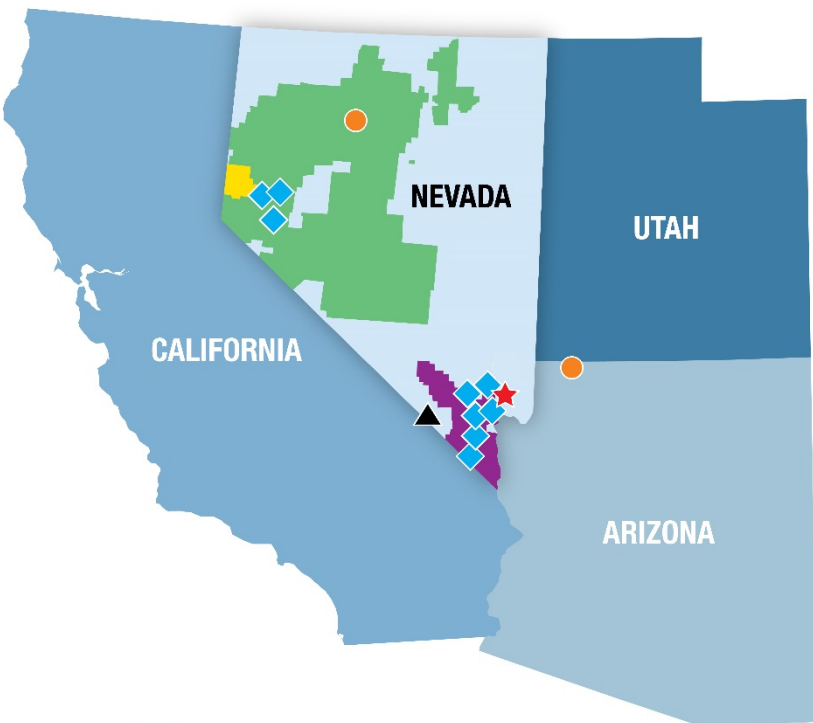
## June 27, 2018

Shawn M. Elicegui



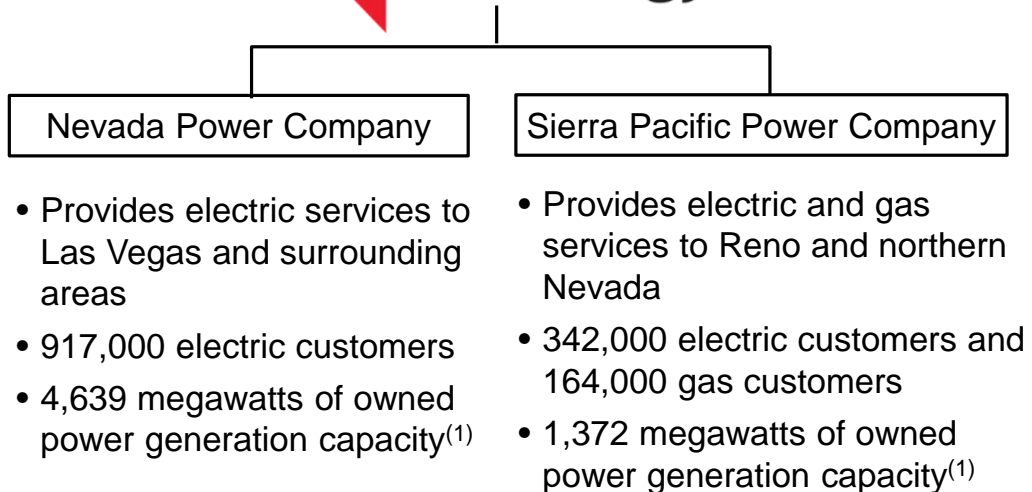
Agenda Item IV B (Energy)  
Meeting Date: 06-27-18

# NV Energy



- NVE SPPC Electric Service Territory
- NVE NPC Electric Service Territory
- NV Energy Gas Service Territory
- Coal Plants
- Natural Gas Plants
- Energy Recovery Plant
- Solar Energy Plant

- Headquartered in Las Vegas, Nevada, with territory throughout Nevada
- 2,442 employees
- 1.26 million electric and 164,000 gas customers
- Service to 90% of Nevada population, along with tourist population in excess of 45 million
- 6,011 megawatts of owned power generation



<sup>(1)</sup> Net summer peak megawatts owned in operation as of March 1, 2017

# Integrated Resource Plan – The Process



- Nevada’s integrated resource planning process is designed to provide solutions for all customers
- Filing of an integrated resource plan does not spell the end of the process
- Public Utilities Commission of Nevada (Commission) conducts a public process where stakeholders review, test and comment on NV Energy’s proposed plan

# Integrated Resource Plan – The Timeline



- Required to be filed every three years
- First “joint” integrated resource plan filed June 1, 2018, pursuant to legislation adopted in 2017
- Commission has 210 days to review
  - May approve, reject or propose modifications to the “preferred plan”

# Integrated Resource Plan – The Strategy



- Provide a real and achievable plan to reliably deliver more renewable energy and services to customers at low prices
- Provide the energy services that customers value and choose

# Integrated Resource Plan – The Content

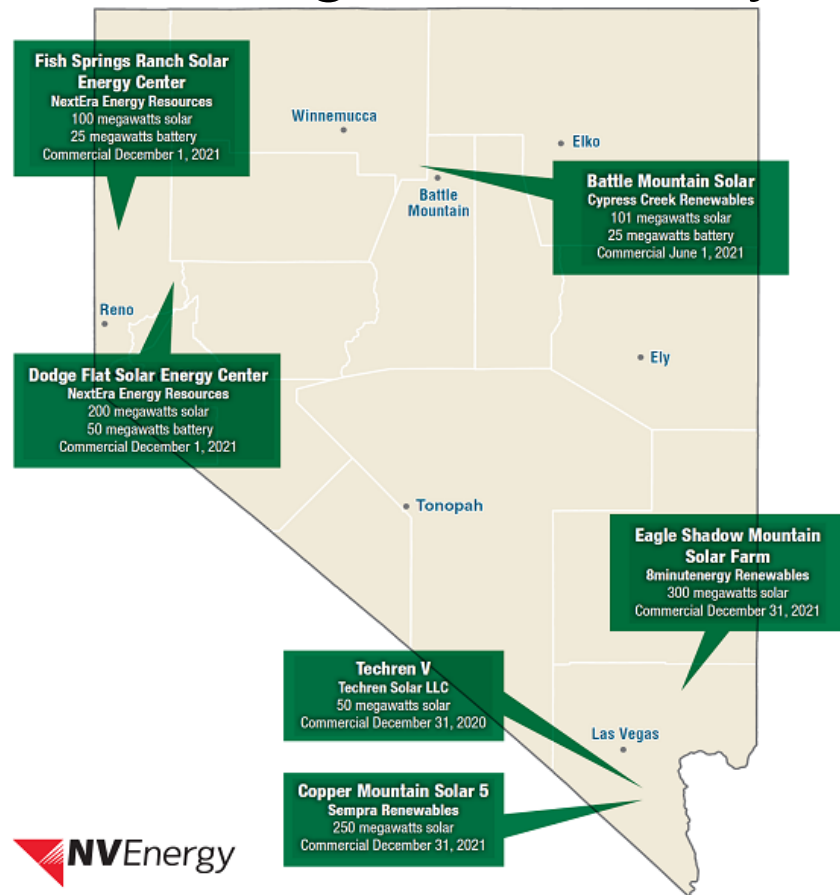


- Plan begins with a forecast of customer loads (both sales and demand) for the next 20 years
  - 0.6% annual growth in peak demand
  - 0.3% annual growth in sales
- Assesses a range of alternatives – investments in energy efficiency, demand response, transmission and energy supply – to meet customers' needs
- The preferred plan looks first to energy efficiency and demand response
  - \$197 million investment in energy efficiency programs, expanding options for customers

# Integrated Resource Plan – Content



- Six new solar photovoltaic projects located in Clark, Humboldt and Washoe counties
- 100 megawatts of integrated battery storage



# Integrated Resource Plan – Content



- Proposes retirement of North Valmy Unit 1 (254 megawatts) of coal-fired generation in 2021
- Conditions designed to ensure economic and reliable delivery of energy to customers

# Integrated Resource Plan – The Outcomes

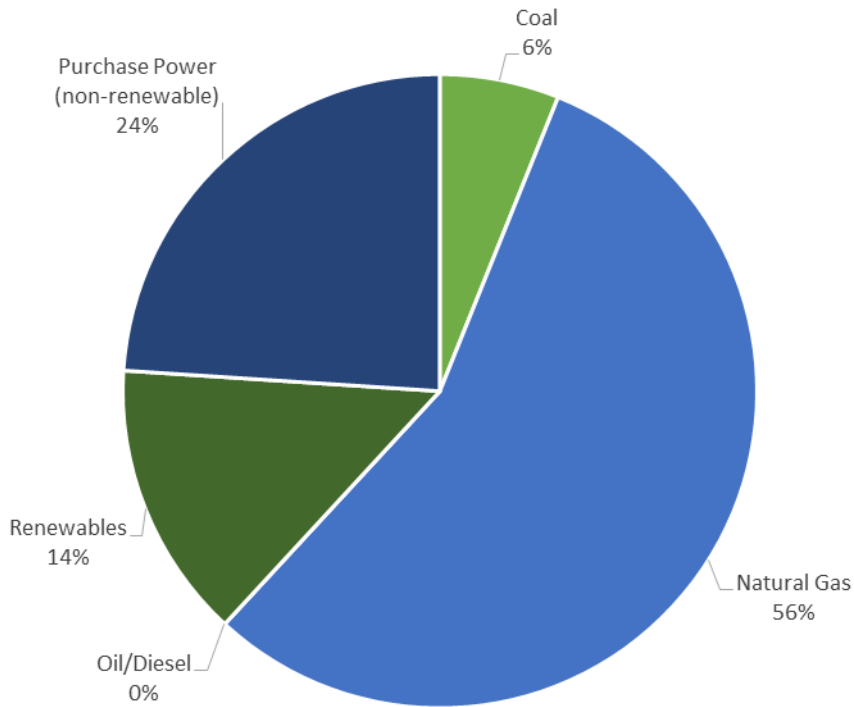


- Energy efficiency meets Nevada’s 1.1 percent of retail sales target and provides \$296 million of net benefits to Nevada
- Estimated \$2.175 billion investment in renewable energy
- Additional investment in transmission resources
- Doubles 2017 renewable energy production by 2023
- Increase Renewable Portfolio Standard achievement from 23.8 percent in 2017 to projected 43.7 percent in 2023

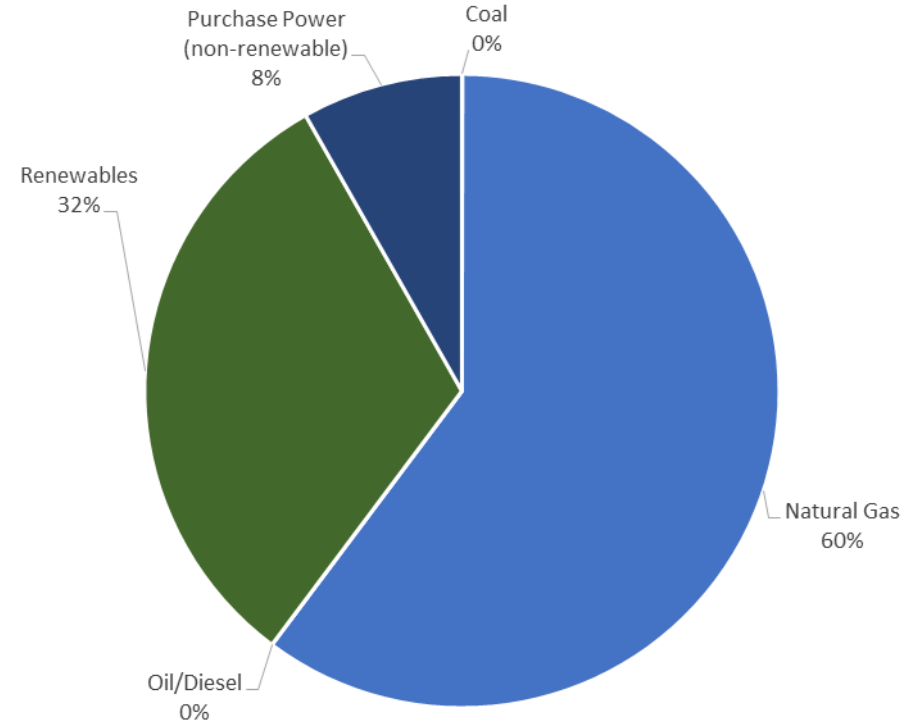
# Integrated Resource Plan – The Outcomes



### 2017 Energy Supply Mix



### 2023 Energy Supply Mix



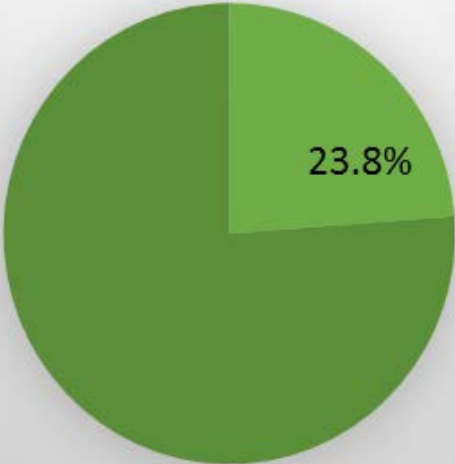
■ Coal ■ Natural Gas ■ Oil/Diesel ■ Renewables ■ Purchase Power (non-renewable)

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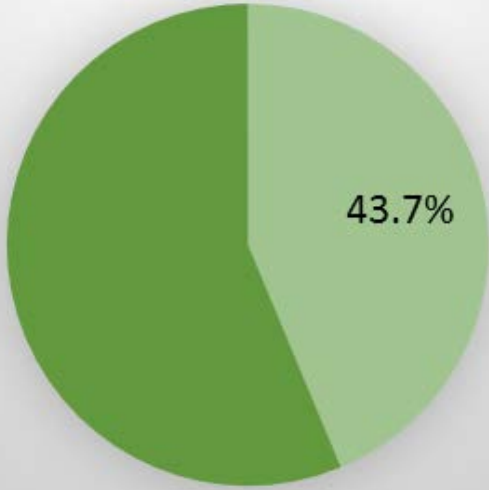
# Integrated Resource Plan – The Outcomes



2017 RPS %



2023 RPS %



# Questions

