

CLEAN & RELIABLE ENERGY

MAIN TAKEAWAYS

Clear definitions are needed to ensure everyone understands what is being proposed in each action. What is a Renewable Fuel? What do we mean by “Community Solar”, virtual or physical? What does industrial process heat look like – different than Ivanpah?

Many of the challenges noted for advancing distributed energy generation throughout region were related to a lack of model projects that define both physical specifications as well as business models for arrangements between property owners, investors/subscribers, and NVE.

Some “red dot votes” were mis-applied due to confusion on the instructions during Session 1. They do not indicate specific opposition, but rather lowest priority.

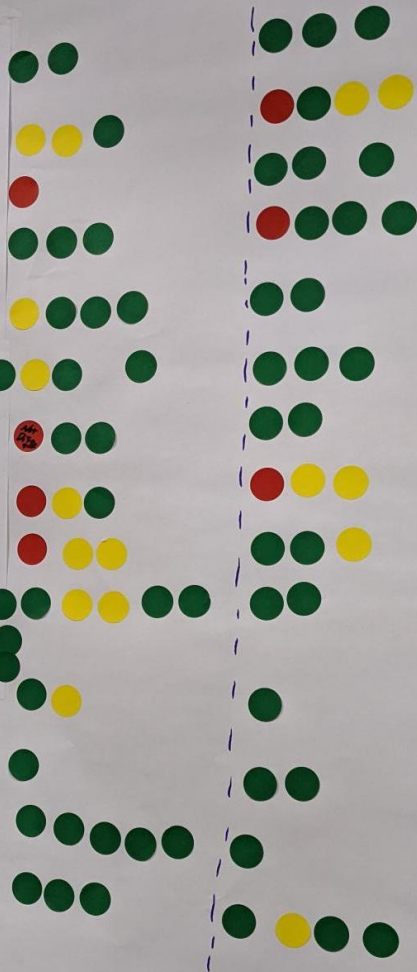
POTENTIAL NEXT STEPS

Develop more descriptive language around several actions. Particular focus should be on actions that need to be addressed through legislative and PUCN advocacy and incorporate County existing plans for advocacy as a mechanism for implementation.

RESULTS OF VOTING ACTIVITY

CLEAN AND RELIABLE ENERGY

- Goal 2: Local, renewable energy is maximized and accessible to all within our communities.
- 1.1 Develop renewable energy sources to meet a significant share of energy demand (electric and thermal) by 2030.
- 1.1.A Accelerate transmission projects, through federally designated corridors or alignments with low natural resource conflicts, to connect Southern Nevada with renewable generation in the State.
 - 1.1.B Advocate to increase the State Renewable Portfolio Standard to attain 100% renewable electricity by 2050 or sooner.
 - 1.1.C Capitalize on solar process heat availability for industry and large heat demands.
 - 1.1.D Advocate for legislative action to support research, development and application of renewable fuels in NV.
- 1.2 Eliminate financial and property barriers to participating in renewable energy transition.
- 1.2.A Expand Community Solar programs.
- Remove Barriers at PUCN Standard Designs - Anticipatory
 - 1.2.B Pursue grants, impact investing, and other finance mechanisms to further reduce participation costs for income-eligible households.
 - 1.2.C Modernize the State Net-Metering policy to align incentives with a range of grid services that can be provided by distributed solar and storage resources.
- 1.3 Utilize opportunities for renewable energy development in the built environment.
- 1.3.A Require installation of solar plus storage in new development.
 - 1.3.B Establish HOA-partnerships to pilot projects to create uniform neighborhood-scale solar and storage.
 - 1.3.C Accelerate development of solar-covered parking to reduce urban heat islands. *- or Reduced on utility disc*
- Goal 2: Energy supply is reliable, efficient, safe, and resilient to climate-related disruptions.
- 2.1 Enhance collaboration and transparency between energy utilities and critical agencies whose operations rely on consistent power.
 - 2.1.A Expand NV Energy advanced notification systems for outages to include agencies managing critical assets.
 - 2.1.B Review and communicate regularly the status and impact and cost of any disruptions to critical assets.
 - 2.2 Advance ~~microgrid~~ and smart grid solutions for load balancing and resilience benefits.
 - 2.2.A Engage the PUCN and other regulators to expedite research, assessment, and approval of new storage & integration technologies. *- Utility Biomechanics*
 - 2.2.B Develop and maintain standards for new development to facilitate more grid-interactive buildings.



DISCUSSION SUMMARY & FEEDBACK

Breakout Session #1

Actions:

1.1b:

- Concern about uncertainty of “or sooner” language
- Stop moving the goal post

1.1c:

- Potential issues with potentially dangerous/scary technology
- Clarify use of technologies to be safe/small scale
- Rework into research agenda
- Accessibility and costs for community members could be high

1.1.d:

- Develop clear definition on renewable fuels

1.3.b:

- (See 1.2.a) Ensure that HOAs have the right enabling conditions, ability to take liability, design standards etc. as enabling conditions
- Explore other partners that may be better able to move

1.3.c:

- Create comprehensive design standards to facilitate more solar projects happening rather than forcing it to happen and connect the county building to be more useful

Missing Actions:

- Create county internal coordination and governances for breaking silos and comprehensive regulatory advocacy
- Ensure residential PACE, may need to address lender priorities/concerns work with other financing (upfront) incentives
- Need legislative action
- Prioritize in high impact communities w/high energy burden canvas for the impact with intention rather than 3rd party discretion
- Small targeted implementation for social equity.
- Streamline for low admin fees

Other topics for this discussion:

- Add utilities under key collaborators on CRE sheet
- How is 1.1.a a Clark County initiative? Wouldn't that be BLM/development? Is there additional action to take here?
- 1.1.c potential issues – not user friendly/available/affordable
- 1.2.a rejected by utility, tweak language, needs legislative change

- Lots of these actions Clark County isn't able to do such as legislation change. CC can look into partnerships
- Regulatory issues – what is the county's action?
- County needs an interdepartmental “Zarr” or role
- HOA restriction – long process
- 1.3.c needs a smart design standard and policy, need to remove regulatory barriers – maybe have a retrofit program/area (example: solar on parking lots isn't connected to buildings, only powering streetlights)

Breakout Session #2

Actions:

1.1.b:

- Focus on meeting 2030 goal first before making it harder
- Is it feasible, what are the tradeoffs for storage, mining, habitat and redevelopment

1.3.a:

- Already high development costs
- Supply chain constraints
- Unfunded mandates have high negatives
- Finance and incentives would help
- “Required” is too hard

1.1.d:

- “Flaring could be better from GHG perspective”
- H2 has high water impacts

1.3.b:

- Do these become utilities?
- Make sure these are not regulated as such

1.2.a:

Ensure the definition of community solar is specific to local additional projects

Missing Actions:

- Joining energy compacts ISO/RTOs w/other regions advocacy
- “Local” RPS in terms of procurement of supply contracts at a higher % RE
- Additionality
- Stop permitting new fossil fuel generation
- Review capacity of underground infrastructure for ability to integrate distributed generation

Bike Rack:

1.1.a:

- Is there additional action to take here?
- Possible use for having it in writing

1.2.b:

- Incentives structures should be in the form of instant rebates or other mechanisms that aren't tax rebates
- EV's too
- Remove the burden from the customer – developer should recoup and pass on

Other topics for this discussion:

- 1.1.b: Unable to lithium mine here, geothermal but needs to protect species, need to reach 50% goals by 2030
- 1.3.a: cant require (need other language, example: incentive or tax credits) , unfunded mandate
- 1.1.d: capture RNG has large climate impacts – here it's from the landfill
- Clark County to create own local RPS