

The Cannabis Industry & Energy

Speakers

1. Hezakaia Allen -Executive Director of Cal Growers Associations
 - I. Growers: Criminal, Unregulated, Regulated; policy needs to focus on getting unregulated → regulated
 - II. Unregulated growers = small farmers & cottage growers
 - III. Exclusively owner operated; \$13 billion industry
 - IV. Cottage, specialty & small growers have unlimited amount of type I & type II licenses; type 3 have limited amount therefore trying to create broad base of smaller regulated growers rather than more unregulated growers
 - V. Comparative analysis w/CO & WA is like apples 2 oranges
 - VI. Most uncertainty is settled; bill comes out tomorrow! Big framework policy questions will be answered
 - VII. Conclusions: Encourage diversity of ownership & opportunity; Indoor has low impact but is highest overhead and may be impacted by lower prices; progressive rate tax rates
2. Nick Maderias -Supervisor for Sonoma Grower's Alliance
 - I. Electrical use & thermal loads in GHs
 - II. GH design; are the group U or F1 or are they exempt from permitting? Can only be answered at city & county level
 - III. 25 watt / sq feet = state regulation? Most indoor require

twice or over twice the amount of energy

- IV. Conversion to indoor agriculture doesn't make sense for some cities
 - V. If you can't plant trees, plant PV; 42 % of energy for cannabis growing should be renewable, energy focused; proposed state regulation
 - VI. carrot= incentives for going beyond minimum requirements for benchmarks for facilities
 - VII. It's time to develop carbon labeling and allowing consumers to make those choices as mechanisms for change
 - VIII. CCS (carbon capture & storage) capture instead of bringing more carbon out from wells
 - IX. Wind energy; what is your energy choice? Sonoma uses geothermal; each municipality should find their choice
3. Q & A
 - I. Market Risk 4 Cannabis? Very risky; biggest concern is over production & will be volatile market
 - II. What is impact of over production? We can scale back if we are mindful; product needs to stay in the state and need to work together to on that' feds are coming to a city near you
 - III. DR technology provider thru power cycling rather than peaker plants; EI in indoor plant houses is higher than hospitals, etc so what more can we do to help instill environmental ethic on this? Allowing coop b/t existing

businesses & transforming
maybe some to be run at night.
Once tools and long terms
thinking happens, you'll see
more consideration happening.

4. Closing remarks

- I. Connect w/ local growers
associations; go to meetings,
find out how can help them and
build relationship ex. Ask to
tour a facility; consider doing a
workshop series (permitting
process, etc.)