

Jenna Kay

From: Don Steinke <crvancouverusa@gmail.com>
Sent: Monday, June 24, 2024 3:33 PM
To: Jenna Kay; Dana Hellman
Subject: Suggested edits to goals and policies

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From Don Steinke
To Jenna Kay and Dana Hellman

Preface, I submitted my survey before I had a chance to work on potential edits. The survey app didn't allow me to see the questions after I submitted the survey on my laptop, but I was able to see them on my iPhone.

Here are Proposed edits to the draft resilience goals and policies, by Don Steinke, June 24, 2024

Key to Don's symbols: In general, [brackets mean to insert] and (parentheses provide the justification). ~~Strike-through~~ means to erase.

Definitions: *Non-emitting* means not emitting greenhouse gases while operating.

G3 . . . promote local [sustainable] agricultural or farming businesses. [The word sustainable here includes organic, permaculture practices, solar, batteries, and electric farm equipment.]

P2 . . . [Protect existing and potential farm and forest lands and farm water supplies] (Farm and forest lands are finite resource and once gone, they are gone forever.) Facilitate increased land access for local farmers. (Farm, forest and open land spaces provide essential resilience and ecosystem functions)

[Provide increased access to affordable water supplies for farmers.] (I know 2 robust farming operations in Clark County that are at risk of being lost for lack of affordable water. BiZi Farm, and Gee Creek Farm)

[Reduce development approvals that increase pressure competition for farm water supply.]

G4a

Improve the safety and reliability of energy infrastructure vulnerable to climate change. (The climate risks include fallen trees, wildfire, landslides, and heat, cold.)

P1 . . .

~~As funds become available.~~ (Maybe strike P1 and rewrite it to include the following.) [Look for and protect existing funding resources that support goal 4a: Funds such as the Federal Infrastructure Investment and Jobs Act, the Inflation Reduction Act, and the Climate Commitment Act. In other words, hire a grant writer.]

Explore ~~alternative options~~ opportunities for power storage such as batteries, green and just hydrogen*, and Virtual Power Plants microgrids and resilience center. Residential solar plus batteries provides a great deal of resilience to the loss of long distance transmission and distribution lines. (New technologies: The California Energy Commission has just awarded a \$100 million project for an iron-air battery that could return 10 megawatt continuously for 5 hours, or 1 megawatt continuously for 48 hours or ½ megawatt continuously for 4 days. Vermont is giving all customers a home battery as a cheaper alternative than a gas peaker plant.

*(Green hydrogen should be used first to displace dirty hydrogen in hard to electrify applications. The electricity used to make green hydrogen should be only surplus non-emitting renewable energy. Also see the [California Environmental Justice Alliance](#))

G4b [Overbuild solar power generating resources and add Distributed Energy Resource and load Management Systems] [Make all new construction solar ready, all electric ready, and EV ready.][Make all new construction net-zero-energy.]

G5

Incentivize [and require] the inclusion of passive or energy efficient [all-electric] mechanical cooling systems in all new ~~housing developments~~ construction.

G6 Support ~~innovative~~ green technology and [non-emitting*] renewables in the energy sector. (*There are some renewables, such as biomass, and trash to energy that produce as much air pollution as just burning fracked gas, and it's more expensive.)

P1 Support [non-emitting, cost effective, and environmentally responsible] energy choice, ~~including all renewable energy technologies and innovations~~ such as: utility scale, community scale and household scale wind and solar power, landfill gas and waste-water treatment gas, methane biodigesters, [select sources] of renewable natural gas, geothermal. ~~and nuclear in the form of small-scale modular reactors.~~ [Emphasis – does not include biomass.]

G8

Improve public awareness [understanding] of environmental topics, *including* native plant varieties, benefits, and care; ecosystem functions; [greenhouse gases and their impacts, embodied energy, impacts of tailpipe pollution, impacts of gas water heater pollution, impacts of gas heating pollution] conservation; and human relationships to nature [including atmospheric and climate].

[Improve public support for funding for resilience measures.]

P1 include the 4 county newspapers in the list of media options.

G10 Promote long term economic development

[P3 search for and protect sustained funding resources for installation of heat pump systems, solar energy projects, energy conservation retrofits and work force training. i.e. hire a grant writer]. (Companies don't like to staff-up and then lay-off if funding dries up. The Climate Commitment Act will provide sustained funding.)

[P4 purchase a software program that automates the permitting process for residential roof top solar projects]

G11 Support sustainable practices in ~~economic~~ [commercial], industrial and residential sectors to reduce waste and consumption.

In P1, replace economic with commercial

G12 Protect, conserve, recover [and restore] ~~salmonids and other fish species~~ [all populations of native aquatic species] within Clark County.

G24 Manage water resources sustainably to meet the needs of [farmers, aquatic species] . . .

G25 Provide [funding to improve the a existing] stormwater management program . . .

G28 Encourage sustainable development within the existing ~~un~~-incorporated urban growth areas and away from hazard prone areas.

G29 [Encourage housing above commercial buildings, residence above retail . . .]

G30 Encourage microgrids and resilience hubs within commercial spaces, such as in grocery stores, restaurants, and schools.