

From: Monica Zazueta

Sent: Friday, May 3, 2024 3:22 PM

To: DOH EPH OEPHS Environmental Justice <envjustice@ejc.wa.gov>

Subject: The list for my public comment. Thank you.

External Email

- Water trenches to bring the water back being done in India

<https://www.tiktok.com/t/ZTLPGc2Ja/>

- Biomimicry in Action

17 minute 22 second video

https://www.ted.com/talks/janine_benyus_biomimicry_in_action?utm_campaign=tedspread&utm_medium=referral&utm_source=tedcomshare

- <https://asknature.org/>

1.

Peter Brannen: "Deep Time, Mass Extinctions, and Today" - The Great Simplification

1 hour 42 minute video

https://youtu.be/3l81C_11D7A?si=7eOfykM5kJiMEgiq

2.

Sir David King: "Global Heating: The Science and the Response" - The Great Simplification

1 hour 49 minute video

https://youtu.be/u7jETRJrkmk?si=kzey-gT_TNHNE_MC

3.

Alexa Firmenich: "Biodiversity, Beauty, and Being" -

The Great Simplification

1 hour 44 minute video

https://youtu.be/4POPay2slr8?si=r-U1-fTEg7RvN_D2

4.

Mario Giampietro: "Models with Meaning - Changing Social Practices" - The Great Simplification

1 hour 23 minute video

<https://youtu.be/HFZ3NPPPS0?si=sUY9OrMFw1du4RVv>

5.

Nate Hagens: "Episode 100 - The Great Simplification

2 hour 8 minute video

<https://youtu.be/GocuMZX3hIs?si=impadsCjN-aGZzk0>

6.

'Doughnut Economics' explained in a 29 minute video

How radical ideas can turn into transformative practice Stockholm impact week 2023

<https://youtu.be/qwyzsAWRMcw?si=Hut8czYBLqAjOBpb>

7.

Doughnut Economics 7 Ways to Think Like a 21st Century Economist
by Kate Raworth

Free digital copy of the book,

<https://fenix.tecnico.ulisboa.pt/downloadFile/845043405579281/Raworth%20%282017%29%20Doughnut%20Economics.pdf>

8.

Fossil Free Food Systems: Jason Bradford, Andrew Millison, Vandana Shiva, Daniel Zetah
Reality Roundtable #06

1 hour 31 minutes

<https://youtu.be/lb2tJXopTJA?si=vAnRvnMOHzzbah3a>

9.

Leon Simons: "Aerosol Demasking and Global Heating" | The Great Simplification

1 hour 25 minutes

<https://youtu.be/RPAnoSt6FnY?si=aCfpATijmi5FEvGW>

10.

David Holmgren: "Small and Slow Solutions - Permaculture Design" | The Great Simplification

1 hour 40 minute video

<https://youtu.be/A9hW4Jh9hF0?si=RVED1O0zp1SsBP6q>

11.

Andrew Millison: "Geomorphology, Permaculture, and The Good Work"

1 hour 23 minutes

<https://youtu.be/52L4Ncs0jLk?si=rEmUN7CnDBB5r88W>

12.

Tom Chi: "Net Positive for the Planet – from Beavers to Bionics" | The Great Simplification

2 hours and 19 minutes

<https://youtu.be/AjGOGfzAvyc?si=KuTaTyie2q1yyd2E>

13.

Electric Vehicles: Arthur Berman, Pedro Prieto, & Simon Michaux | Reality Roundtable

1 hour 39 minute video

<https://youtu.be/5stPFdegJpg?si=bgMMUp8vw1KJFXCR>

14.

Pella Thiel: "Ecocide and The Rights of Nature" | The Great Simplification

1 hour 18 minute video

<https://youtu.be/JgRlgKHvKCE?si=jnRYXVQlvB32NABL>

15.

Steve Keen: "On the Origins of Energy Blindness" | The Great Simplification

1 hour 32 minute video

<https://youtu.be/lrMWSkzrMYg?si=P8AxGlsl3zw7gCe8>

16.

"Poverty Blind" Reality Roundtable #7

Stephanie Hoopes, Peter Kilde, Marc Perry, Dalitso Sulamoyo

1 hour 23 minute video

https://youtu.be/359aiDUDHRo?si=YVxJwL_mc6uoYMJ5

17.

Luther Krueger: "Goldilocks Tech? A Solar Oven Overview" | The Great Simplification

1 hour 11 minute video

<https://youtu.be/AaLHkRRbbT4?si=xikYtthUyBqX1KNG>

18.

Geoffrey West: "Metabolism and the Hidden Laws of Biology" | The Great Simplification

1 hour 41 minute video

<https://youtu.be/my9a9Ftr7ek?si=kB-iRUneJj5E9YO>

19.

Economic development

- Job guarantees

We need to rethink the type of jobs that we have here locally. What do we really need to survive, nature, food, water.

Farming needs to be something that needs to be taught, implemented and free education to anyone who wants to learn.

There needs to be paid positions for farming.

There needs to be outreach to the homeless, to students, to individuals in inpatient and outpatient drug and alcohol treatment, individuals in mental health treatment and organizations like the Recovery Cafe and the Recovery resource Center in Hazel Dell in Vancouver WA and to anyone who wants to learn.

There needs to be a paid positions for tree planters, tree upkeep, and green space upkeep.

There needs to be local builders who teach the community how to build/upkeep/replace things so that we don't rely on the big corporation builders to 'set prices'. We, the community are the creators of our reality not the people with the money saying, 'that's just the way it is'.

- We need to train more people to be bus/train drivers. We need to give people a second chance of getting their license back and not making it so expensive where they can't live/pay for rent/food/all other living expenses and pay for getting their license back. There needs to be a different system that what's in place now because there's so many people that cannot afford the high expenses of getting their license back.

- We need 'Maker Space's' where there is access to a 3D printer, access to blueprints to products and access to free Wi-Fi where the community can come together and build together, replace and repair parts of things they're using.

- Maker space for sewing clothing.

- We need a hemp refinement facility to make hemp products locally. Rope, clothing, hempcrete are just some of the examples of things we can make here locally.

<https://en.m.wikipedia.org/wiki/Hemp>

- Hemp Batteries Last 8X Longer than Lithium, Outperforming Graphene for 1000th of the Cost

Extension La Crosse County

University of Wisconsin-Madison

<https://lacrosse.extension.wisc.edu/2022/07/07/hemp-batteries/>

- Geothermal energy

<https://geothermal.tech/#:~:text=Geothermal%20Technologies'%20innovative%20technologies%2C%20when,world%2C%20for%20decades%20to%20come.>

- NEW TECHNOLOGY CAN HEAT AND COOL YOUR HOUSE USING NOTHING BUT AIR

With energy prices rising rapidly, a new startup could have the answer - technology that harnesses energy from fluctuations in humidity to cool and heat buildings at half the current price.

July 6th 2022

<https://www.israel21c.org/new-technology-can-heat-and-cool-your-house-using-nothing-but-air/>

- Transparent Solar Panels | Michigan State University
Turn solar farms into solar cities

3 minute 31 second video

https://youtu.be/qMhdpWMDp04?si=_QnI-JZAhAfviUCx

20.

Agriculture

- <https://www.uniteddesigners.org/practice-areas>

ASSESSMENT

DESIGN and PLANNING

Assessment is often the most crucial component of the United Designers' process, depending on the scale and purpose of the project and the desires of the client.

Assessment and Analysis are executed with a range of tests and observations. Soil and water research are conducted via field observation and laboratory testing. Climate and climate change, precipitation rates, local and area demographics, land-form and geology, are all documented and taken into consideration. Inventory is made of buildings and infrastructure, hardscapes in general, existing or desired patterns of access and circulation, all hydrological systems, tools and existing resources. Existing ecological habitats (flora and fauna), zones of human use and activity, patterns of sun and shade, useful micro-climates, and soil fertility and management, are also evaluated.

Working with geospatial information supplied by satellites and aircraft, United Designers is able to accurately locate and label elements on the landscape. Each feature is assessed

and measured as the data is recorded in the UD process. High-resolution imagery is used to quantify hydrologic characteristics of watersheds and stream beds. Groundcover and cultural practices on the land are also identified for further on-site investigations. A mosaic of data points and graphical mapping done by United designers is essential to the design process, regenerative agriculture, and ecological restoration.

With assessments, UD is neither confined to a digital research trajectory nor bound solely to the groundwork, striking a balance of both. In the best cases, one rises and lays with the sun, living the project on site for a number of days or weeks, again depending on the scale. In-depth interviews with the landowners or caretakers are indispensable. It is a shared process that requires patience and observation where awareness evolves mutually.

- Bamboo farms for bamboo products:

1. Bamboo Flooring
2. Bamboo Cutting Boards
3. Bamboo Utensils
4. Bamboo Bedding (sheets, pillowcases)
5. Bamboo Toothbrushes
6. Bamboo Kitchenware (bowls, plates, utensils)
7. Bamboo Charcoal Air Purifiers
8. Bamboo Furniture (chairs, tables, shelves)
9. Bamboo Straws
10. Bamboo Skincare Products (creams, lotions, masks)
11. Bamboo Socks
12. Bamboo Clothing (t-shirts, socks, underwear)
13. Bamboo Diapers
14. Bamboo Charcoal Bags (for odor removal)
15. Bamboo Charcoal Water Filters
16. Bamboo Charcoal Soap
17. Bamboo Charcoal Toothpaste
18. Bamboo Charcoal Facial Cleansing Brushes
19. Bamboo Charcoal Mattress Toppers
20. Bamboo Charcoal Deodorants

These are just a few examples of the many bamboo products available on the market. Bamboo is a sustainable and versatile material that is used in various industries due to its eco-friendly properties.

Vancouver, WA can be a suitable place to grow bamboo. Bamboo is a versatile and resilient plant that can thrive in various climates. Vancouver, WA has a mild climate with warm summers and cool winters, which can be favorable for bamboo growth. However, it's important to consider the specific species of bamboo you want to grow and ensure it is suitable for the climate and soil conditions in Vancouver, WA. Additionally, bamboo requires regular maintenance and proper care to control its growth and prevent it from becoming invasive.

21.

Transportation

- Underground trains
- Animal overpasses
- Bus transit system that is reliable, way more bus pickup times, routes to anywhere you want to go, travel times to be the same on the weekends and weekdays. Make it so the bus systems are so amazing, cheap or free.
- The Easiest DIY Electric Bike Kit (Rubbee X)
7 minute 45 second video
<https://youtu.be/guvFqb4zgBg?si=mfeMLA-gyswJfaXv>
- We need to have upfront rebates so that people can actually buy items like rollerblades, skateboards, scooters. People are poor.

- Oregon School's Unique Way Of Getting Students To Class: A 'Bike Bus'

https://youtu.be/zNOB377piC8?si=jJp4dxx_Xi4_AJzK

22.

Waste Management

- Compost at every home, in apartment buildings and every business and government agency.

- Recycling systems for different kinds of plastics: plastic bags, plastic to-go food boxes, plastic silverware, plastic fast food restaurant drink cups, plastic to-go salsa cups, straws etc.

Recycling for styrofoam, light bulbs, batteries, old computer/tellophones, old toys, clothing.

There needs to be an easy to do recycling system and pickup system from your own location.

Education is key on this this one.

When community members don't recycle properly they get 4 notices saying they will be fined if they do not recycle properly. If they receive all 4 notices with little or no change in their recycling habits they will be notified that someone from the Recycling Management will come and show them how to recycle properly. If after they still do not recycle properly they will start getting fined and or their recycling and trash service will be suspended until they properly recycle.

There should be handouts of the proper recycling ways with pictures delivered to each household by mail with 'IMPORTANT RECYCLING CHANGES' written on it and there should be multiple different social media posts about the changes and the newspaper needs to write an article about it.

- Arrows on the ground to trash and recycling containers. The containers must have words and pictures on them showing what goes in each slot for disposal. These need to be in business, libraries, schools, jail, parks etc. There also needs to be compost bins at each location.

*There needs to be people hired for the upkeep and to deliver each ,waste, compost, recycled materials to their proper facilities.

- Ridwell has a system that comes to your home for a fee but either we can partner or try our own way of doing it but you can get some examples of how they are doing it on their webpage,

<https://www.ridwell.com/>

23.

- 3D printing homes on Earth, someday the moon | 60 Minutes
22 minutes 27 second video

https://youtu.be/dXUX6dv2_Yo?si=T8EI28RvRgYFKGq-

- The Atlantis Earthship Tour with Michael Reynolds

12 minute 48 second video

<https://youtu.be/NCa10uee9Ro?si=H5J3YcTzelSNV6uk>

- Tiny homes villages with possible community kitchens

<https://c-roots.org/>

- Duplexes
- Fourplexes
- Eightplexes

- Savonnerie Heymans / MDW Architecture Apartments Brussels, Belgium

<https://www.archdaily.com/220116/savonnerie-heyman-mdw-architecture>

- Tiffani and House Our Neighbors consults with groups trying to achieve de-commodified housing all around the country. You can reach her at tiffani@houseourneighbors.org.

Check out the House Our Neighbors website here: www.houseourneighbors.org/

https://soundcloud.com/karissa-halstrom/44-housing-our-neighbors-with-tiffani-mccoy?ref=clipboard&p=a&c=1&si=aa417d6c05504988835174fb26352da2&utm_source=clipboard&utm_medium=text&utm_campaign=social_sharing&fbclid=IwAR2Fs3i6aC6bcwO8bwO40o2Hi78VryDKSkb4FAIXiqM-uwjrcXPB9aZozTw

- The Venus Project

Circular Cities

It would be far easier and would require less energy to build new, efficient cities than to attempt to update and solve the problems of the old ones. We believe that the present state and aims of architecture need to be redefined to fit the evolving needs of individuals in a Resource Based Economy. We consider the architecture of a circular city to be most appropriate.

<https://www.thevenusproject.com/resource-based-economy/environment/circular-city/>

24.

- Collaborate with businesses that use plastic for their products like laundry soaps and juices and create spaces where communities can come in and bring their own reusable glass bottles so they can refill their household items and food.

Also at these locations have information on 'make it yourself' laundry detergent, oat milk, juices etc.

- Large Family LAUNDRY SOAP | How to Make Your Own LIQUID LAUNDRY SOAP

<https://youtu.be/K4zhvAaj3vw?si=FAmiZP3qKJf8eznt>

- How to make oat milk - BBC Good Food

1 min 38 seconds

https://youtu.be/rCxodmQNtvY?si=-3Uf0gJnehOE_pad

25.

That there needs to be a paradigm shift with the workers and the people who own the business. The business would be nothing without the workers. I truly believe that workers need to be paid their value and that workers should have ownership in the business so that they feel like they actually belong instead of just "worker bees". You want people to feel included then include them in all aspects. Then it wouldn't just be the "worker bees" getting paid minimum wage struggling to survive and the "bosses" making the majority of the money, it would be everyone's the boss.

No one is above or below anybody else and I truly believe that should be reflected in the way we conduct business as well.

Final thoughts,

I would like to advocate and share the book Doughnut Economics 7 Ways to Think Like a 21st Century Economist by Kate Raworth

The Doughnut of social and planetary boundaries is a simple visualization of the dual conditions - social and ecological - that underpin collective human well-being.

The social foundation establishes the inner boundary, and sets out the basics of life on which no one should be left falling short with food, health, education, income and work,

water and sanitation, energy, networks, housing, gender equality, socially equity, political voice and peace and justice.

The social foundation comprises 12 social dimensions that are derived from the social priorities specified in the United Nations 2015 Sustainable Development Goals.

The ecological ceiling establishes the Doughnut's outer boundary, beyond which humanity's pressure on Earth's life-giving systems is in dangerous overshoot with climate change, ocean acidification, chemical pollution, nitrogen and phosphorus loading, freshwater withdraws, land conversion, biodiversity loss, air pollution and ozone layered depletion.

Between the two sets of boundaries lies the ecologically safe and socially just space in which humanity can thrive.

The Doughnut offers a vision of what it means for humanity to thrive in the 21st century - and Doughnut Economics explores the mindset and ways of thinking needed to get us there.

How can we begin to set up incentives, policies, and regulations for business recruitment in a circular economic model...with the intention and goal of well-being and flourishing for the people and our diverse communities, rather than being of primary service to short term profit maximization to the owners of land and other capital resources? How can we begin to step towards prioritizing the common good over private property rights.

We have window of opportunity to begin to consider how the transition, the transformation, from an ego-economy of empire building of take-make-waste to a regenerative eco-economy for the future that is in harmony with nature and ecological systems science so that our grandchildren's grandchildren have a livable and nonviolent future.

We are nature. And mother Earth never asked us for rent.

Thank you everyone for everything that you do. Remember whether you think you can or can't you are right. We can do this, we will do this.