# Climate Justice Working Group

Wednesday March 24, 2021

Meeting Procedures

Before beginning, a few reminders to ensure a smooth discussion:

- Working Group Members should be on mute if not speaking.

  - If using phone for audio, please tap the phone mute button.

  - If using computer for audio, please click the mute button on the computer screen (1st visual).

- Video is encouraged for Working Group members, particularly when speaking.

- In the event of a question or comment, please use the hand raise function (2nd visual). Click the participant panel button (3rd visual) for the hand raise function. Rosa or Alanah will call on members individually, at which time please unmute.

You'll see when your microphone is muted

VM Valerie Milonovich

Attendee: 3 (0 displayed)

View all attendees...

Hand Raise
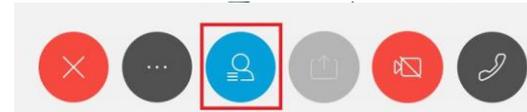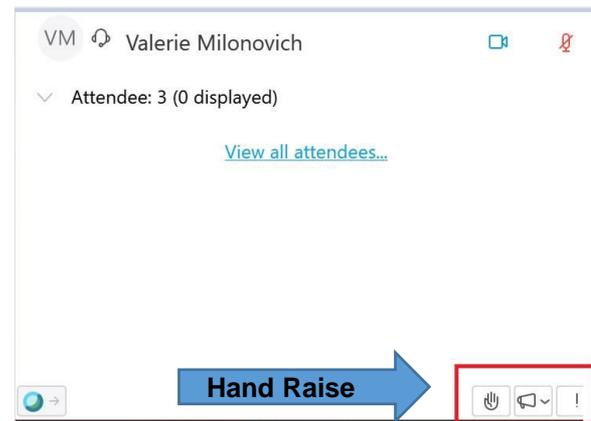
Welcome and Roll Call

Agenda

> Welcome and Roll Call

> Business Items

> Data Status & Considerations for Inclusion

> Scoring Approaches

> Evaluating Scenarios

> Groundtruthing

> Next Steps

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Business Items

> List of additional follow-up questions for California

- Post to SharePoint

- Due in 1 week

> Approval of Minutes

Where we are in the process

Where we are

Testing combinations
Comparing scenarios

Explore data

Begin downloads

New Ideas
Troubleshooting

Prioritize

TEST

DEVELOP

Create
combinations

Test
Iterate
Optimize

Observe/Research

Identify Need

Track

Agree on
criteria

**APPLY
LEARN
ADJUST
RE-APPLY**

Adjust

Grow

| Identify data and data wrangle | Create designations and iterate | Agree on criteria |
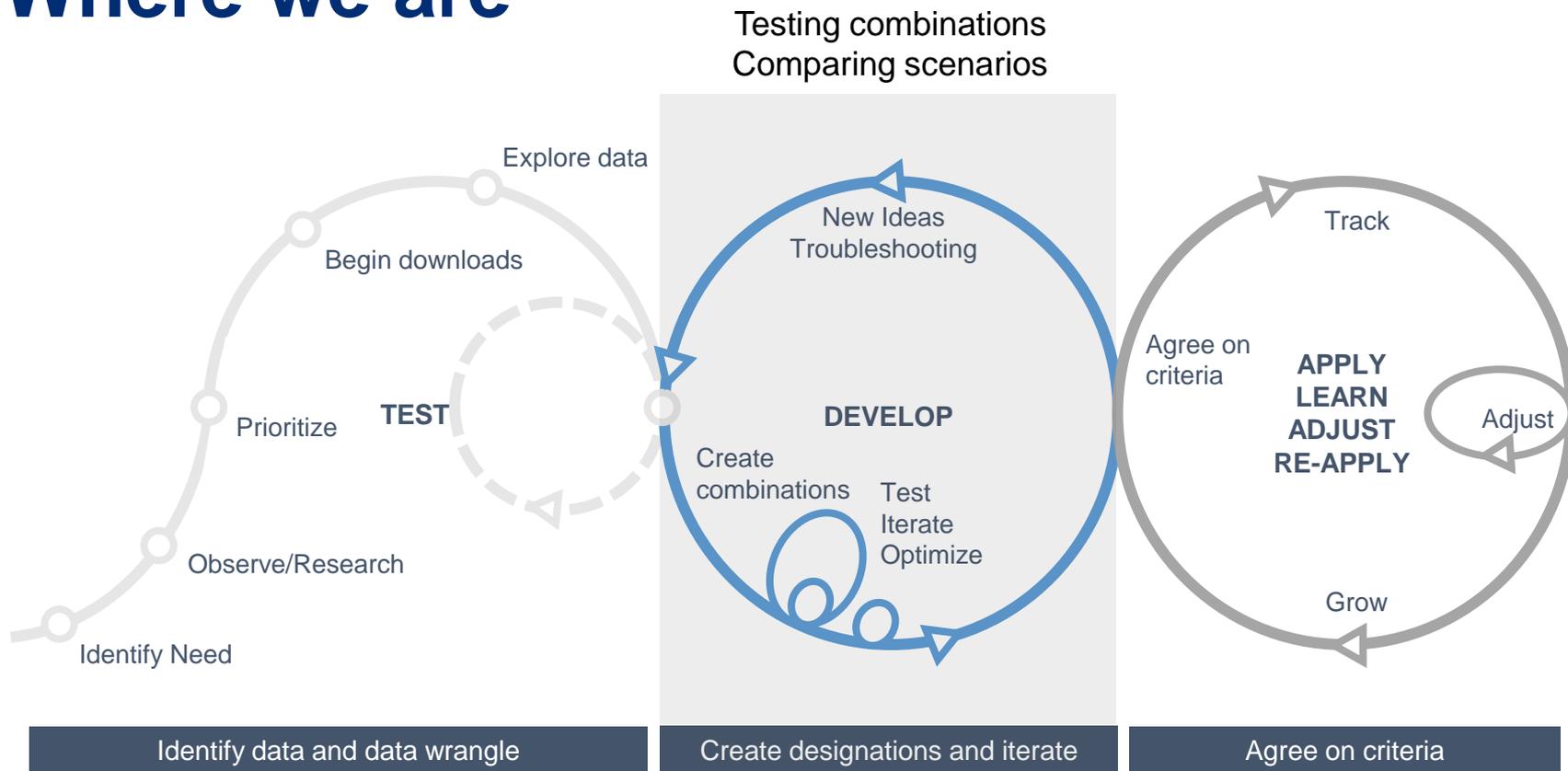
Currently we are…

1. Working on critical data pieces
2. Creating example combinations of criteria
3. Comparing & groundtruthing scenarios

Data Considerations
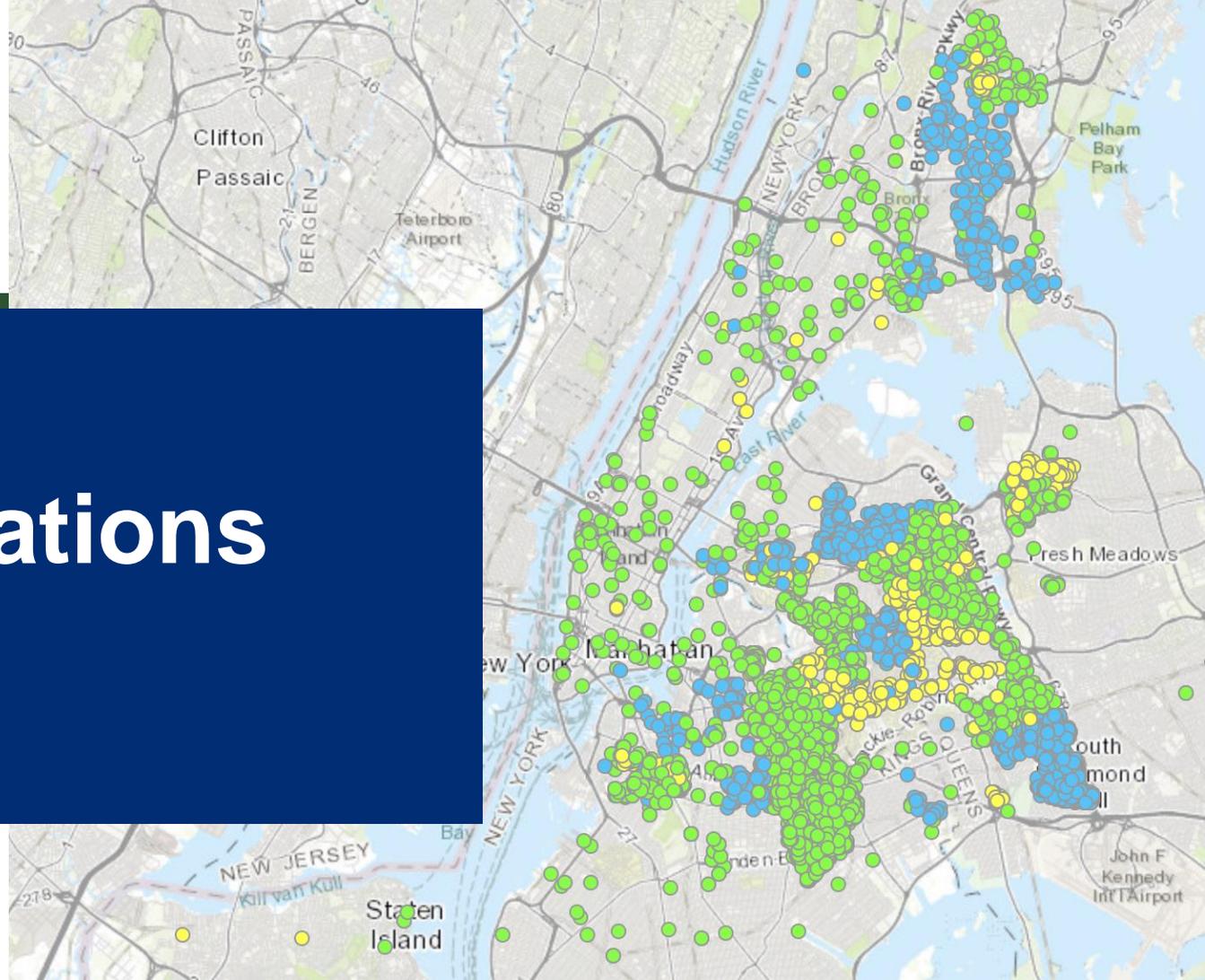
Threats vs. Vulnerabilities Framework

Threats (Exposures, Burdens, Hazards, Land Characteristics)	Vulnerabilities (Population Characteristics, Health Effects)
The conditions, burdens and risks people face in the built and natural environment	The resources and capacity people and communities have to respond or adapt
Pillar 1: Pollution burdens, air toxics	Pillar 1: Negative public health effects
Pillar 2: Historical land use / hazardous facilities	Pillar 2: Population characteristics, including correlates with structural racism and historical discrimination
Pillar 3: Coastal flood/storm risk, urban heat island, access/distance to services	Pillar 3: Age, disability status, health insurance, internet, vehicles

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Inclusion Considerations

We reviewed 56 indicators (a) on their own, and (b) in combination

Inclusion suggestions consider:

- Data coverage & granularity
- Data quality (e.g., measurement or sampling error)
- Modeled vs. directly-collected or measured data
- Correlations
- Technical guidance (e.g., DEC, DOH)

Still waiting for additional data/analysis that could replace current indicators

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Threats (14 ready now; 11 pending)

	Pillar 1 – Exposures & Hazards	Pillar 2 – Land/Environment representing historical discrimination	Pillar 3 – Climate Risks, Environmental Conditions, Access to Facilities
Considering for Inclusion	Vehicle traffic density (EJScreen) PM2.5 (EJScreen) Benzene (NATA) Proximity to Regulated Management Plan (chemical) sites (EJScreen) Homes built before 1960 (lead paint) (EJScreen) Wastewater discharge (EJScreen)*	Industrial/manufacturing/mining land use (HCR & PLUTO) Utility/waste land use (HCR & PLUTO) Proximity to NPL Superfund sites (EJScreen) * Proximity to Hazardous Waste sites (EJScreen)*	Susceptibility to Extreme Weather (NREL) *(replace later)* Developed land (NLCD) Agricultural land use (NLCD) Access to Home Internet (Census)
Waiting for Indicators	Proximity to Petroleum Product Terminals (DEC) Proximity to Power Plants Toxic release/waste leakage (DEC) Updated truck/traffic data	Proximity to Environmental Remediation Sites (DEC) Proximity to Active and Inactive Solid Waste Sites (DEC)	Coastal/storm surge risk (NYSDOS) Sea level rise Inland flooding risk Vegetative Cover Distance to hospitals/healthcare Summer temps (current or future)

*DEC staff identified limitations of several indicators and we can consider replacing them with "custom" indicators from DEC data if/when available.

Vulnerabilities (18 ready now; 2 pending)

	Pillar 1 – Negative Public Health Effects	**Pillar 2 – Concentrations of people that historically experienced discrimination**	**Pillar 3 – Vulnerability to Climate Risks**
Considering for Inclusion	Asthma Emergency Department visits (DOH) COPD Emergency Department Visits (DOH)	Below 80% Area Median Income (HUD) Below federal poverty line (Census) Unemployment rate (Census) Less than Bachelor's degree (Census) Less than High School diploma (Census) Black or African American (Census) Hispanic/Latino(a) (Census) Indigenous or Native American (Census) Speak language other than English at home (Census) Limited English Proficiency (Census) Renters (Census) Housing costs (rent burden, homeownership cost burden, ability to pay) (Census, NREL)	Health insurance (Census) People with Disabilities (Census) Single-parent households (Census) Energy cost burden (DOE)
Waiting for Indicators	Premature deaths (DOH) Strokes	Low birthweight births (DOH)	Heat-related illness or death?

Combining Indicators
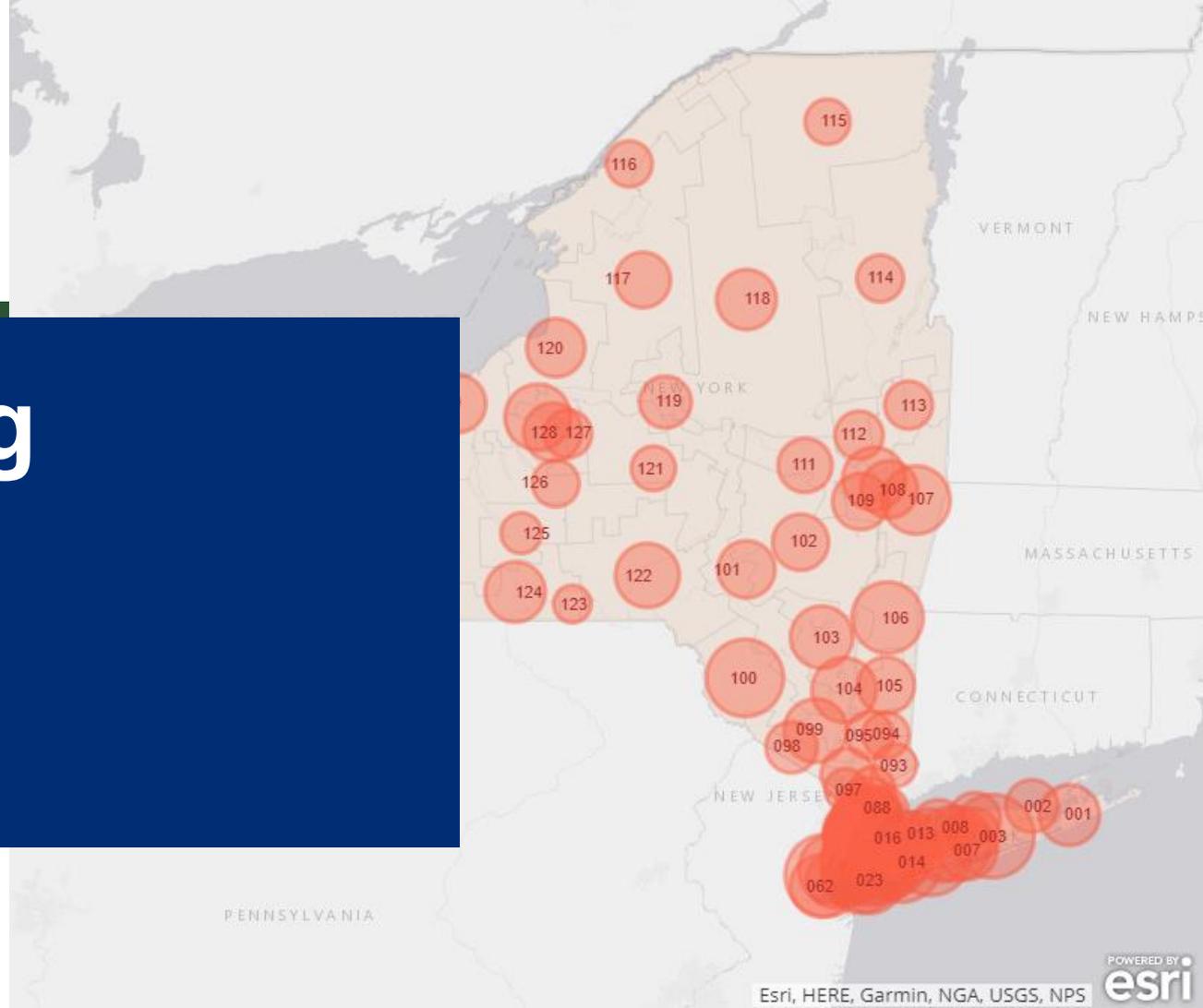
How do we combine component scores?

Bucket by Threats and Vulnerabilities

Threats Score **Vulnerabilities Score**

MULTIPLY OR ADD

FILTER/INTERSECT

Options for Combining Components

+
x

Designation (Top X% statewide or regionally)

DAC

Not DAC

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15
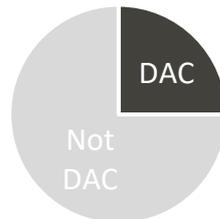
Example Scenarios

These early examples are meant to get us talking about what you see and what feels right to you.

Things we're trying to work through:

1. What is the "right" or fair regional mix of DACs?

    Do we hold a similar proportion of DACs for NYC versus the rest of the state? (Regional division versus statewide)

2. How important is income compared to other factors?

    Do we include income in as an indicator like all the others, or should it carry more weight?

Regional versus Statewide

		Scenario A (regional restriction)		Scenario B (no restriction)		Statewide Proportions
Proportion of State Designated	Total DAC	1,185		1,209		4,780*
	As % of State	25%		25%		100%
Share of DACs by Region	New York City	43%		72%		44%
	Long Island	7%		3%		12%
	Mid-Hudson	13%		7%		11%
	Western NY	10%		5%		7%
	Finger Lakes	7%		2%		6%
	Capital Region	6%		2%		6%
	Central NY	6%		3%		4.50%
	Southern Tier	4%		2%		3.50%
	Mohawk Valley	4%		1%		3.00%
	North Country	1%		1%		2.20%
Income and BIPOC	Pct that are HUD QCTs	87%		85%		22%
	Lower Income Percentile (higher = lower income)	68		67		50
	BIPOC Percentile (higher = more BIPOC)	64		73		50
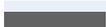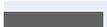
-- Early Data -- numbers will shift with data additions/updates

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Groundtruthing

Your list of DACs & Not DACs

Go to https://public.tableau.com/views/NYCensustracts/NYMap?:language=en&:display_count=y&:origin=viz_share_link

Hover over the map to get the census tract name – it's a long number

Write down the following:

- Tracts you think should be DACs

- Tracts you think should NOT be DACs

- Reason why it's a DAC or not

- Send email to Rosa and Alex with your thoughts

Email Rosa & Alex

Email Rosa & Alex:

- Tracts you think should be DACs
- Tracts you think should NOT be DACs
- Reasoning why – phrase or sentence

Aim for 4-10 but anything you can give us would be great

Tract	DAC or not?	Why?
36065023000 (City)	Yes	(phrase or sentence)
36065025600 (Augusta)	No	(phrase or sentence)
36065027300 (Oneida)	Yes	(phrase or sentence)

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Updates

CalEnviroScreen 4.0 Workshops

San Joaquin Valley
Wednesday, April 7
5:30-7:00 PM
San Diego
Thursday, April 8
5:30-7:00 PM
Greater Los Angeles
Monday, April 12
5:30-7:00 PM
Statewide
Wednesday, April 14
11:00 AM-12:30 PM
Imperial and Coachella Valleys
Monday, April 19
5:30-7:00 PM
San Francisco Bay Area
Tuesday, April 20
5:30-7:00 PM

Six virtual public workshops to collect regional input

The public comment period is open from February 22 to April 30, 2021.

OEHHA will review the comments and consider revisions before releasing a final version of CalEnviroScreen 4.0 in summer 2021

Meeting registration:
https://oehha.ca.gov/calenviroscreen/public-comment-period-general-info/webinar-and-workshops-draft-calenviroscreen-40

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Next Steps

DAC Definition Next Steps

What we're working on

Variable reduction/selection

GIS analysis for missing indicators (Agency collaboration; GIS team)

Evaluate scenarios (overlap; groundtruthing)

What we need from you

Groundtruthing community list