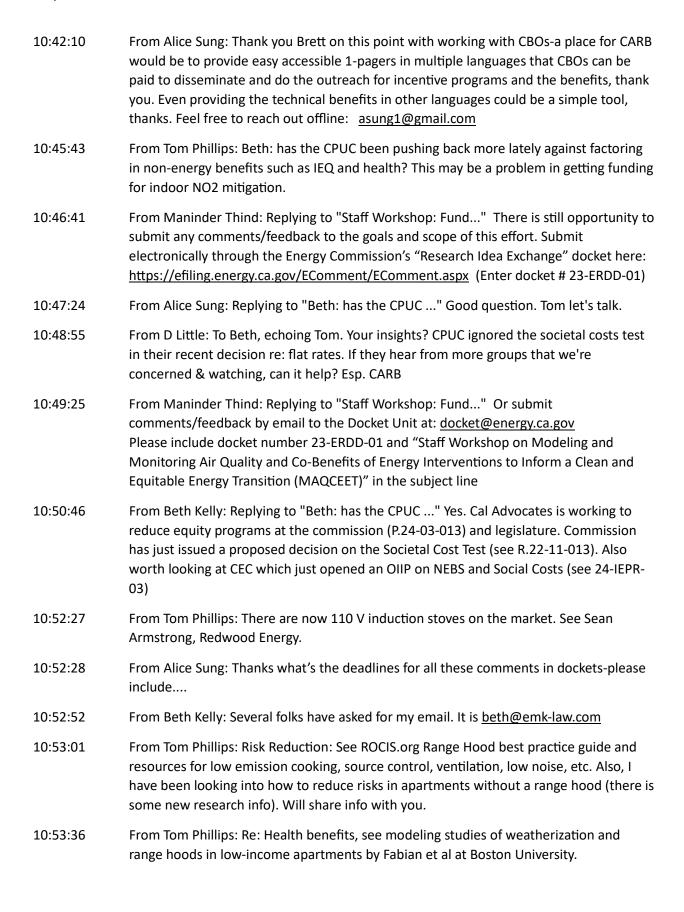
Chat Transcript from Indoor NO2 Guidelines Workshop #2

09:06:27	From Tom Phillips: Thanks for organizing the workshop. Can the chat be saved?
09:14:10	From Tamara Abrams: Will you be sharing the slide deck, including the citations?
09:19:12	From Tom Philips: Plus, CARB Residential Indoor Cooking Study in a test home.
09:19:16	From Pat Wong: I do not know if the chat can be saved by participants, but we can provide a copy upon request after the workshop. The slide deck, including citations, will be posted on CARB
09:19:36	From Pat Wong: CARB's IAQ guideline website
09:19:49	From D Little: How do we find them on CARB's site?
09:20:30	From Julia "Ky" Gress (CARB): Yes, all registrants will receive a link to when the slides and video are posted to the website.
09:25:24	From Julia "Ky" Gress (CARB): All material will be posted at this webpage: https://ww2.arb.ca.gov/public-workshop-2-updating-indoor-air-quality-guidelines-nitrogen-dioxide
09:26:06	From D Little: Thanks!
09:36:15	From Steve Temes: What does "sensitive" individuals mean? That wouldn't include NO2 as an asthma trigger.
09:47:31	From Steve Temes: Asthmatics are individuals, not a group.
09:57:51	From Jeff Williams: Approach #1: Adopt Existing Guideline Level(s) Representing Maximum Health Protection
	Approach #2: Adopt Existing Guideline Level(s) based on Risk Reduction
	Approach #3: Develop New Guideline Level(s)
09:58:51	From Brett Singer: Could you do both 1 and 2? Present as targets for max health protection for sensitive people and also for risk reduction.
10:00:03	From Alice Sung: Replying to "Could you do both 1"
	yes, and could you do all threewith approach # 3 being phased in as readiness achieved?
10:01:56	From Alice Sung: Replying to "Could you do both $1 \dots$ " Also think about the practical applications, with consideration to equity and most impacted and vulnerable populations, languages, outreach, etc.
10:04:33	From Alice Sung: It might be useful to consider approaches like how lead in water or asbestos, in existing buildings have been addressed and take lessons learned and be more proactive?

10:08:56	From Jeff Williams: Replying to "Could you do both 1"
	Hi Brett, I think that we can consider that, and I appreciate the suggestion.
10:10:43	From Tom Phillips: Alice: I agree.
10:11:14	From Zoe Zhang: https://ww2.arb.ca.gov/resources/documents/impacts-toxic-air-contaminants-residential-appliances
10:11:54	From Zoe Zhang: Research solicitation webpage for investigating air toxics from residential appliances is shown above.
10:17:32	From Alice Sung: Is there a single simple (low cost?) or handheld sensor that can measure all these contaminants including formaldehyde? If so, please let us know, thanks.
10:19:56	From Brett Singer: Indoors gases are pretty much always well-mixed
10:20:07	From Alice Sung: It's also that formaldehyde, though, is heavier than the mixed air, right?
10:21:46	From Brett Singer: I could comment on that if desired.
10:24:17	From Tamara Abrams: Thank you.
10:25:31	From Julia "Ky" Gress (CARB): Hi Alice. Please provide comments in the portal for future consideration. We appreciate hearing your thoughts and concerns.
10:25:44	From Nina Prescott: Replying to "Thank you." Hi Tamara, RMI has a summary page on health impacts of gas stoves here if helpful: https://rmi.org/health-impacts-of-gas-stoves/
10:32:52	From Maninder Thind: Staff Workshop: Funding to Support Modeling and Monitoring Air Quality and Co-Benefits of Energy Interventions to Inform a Clean and Equitable Energy Transition (MAQCEET) https://www.energy.ca.gov/event/workshop/2024-01/staff-workshop-funding-support-modeling-and-monitoring-air-quality-and-co
10:33:36	From Zoe Zhang: Project webpage for the low cost sensor whitepaper: https://ww2.arb.ca.gov/low-cost-sensors-healthier-indoor-air-quality-impacted-communities
10:33:53	From Brett Singer: https://www.etcc-ca.com/reports/sensor-based-range-hoods
10:35:52	From Maninder Thind: Replying to "Project webpage for"What is the timeline for this project/whitepaper?
10:36:14	From Zoe Zhang: Replying to "Project webpage for" it will end this September
10:38:00	From Zoe Zhang: Replying to "Project webpage for" Final report and guidance document from this project will be posted to this webpage when they are ready.
10:41:08	From Tom Phillips: Brent: Strongly agree re: CBO collaboration. Social Marketing rule #1: find the community leaders, listen to their needs, perspectives.



10:53:44	From Tom Phillips: Comment on implementation: 1) Focus groups and demonstration projects would help fine tune mitigation efforts and spread the word. 2) The guidelines should be used to design and evaluate state programs for environmental justice, decarbonization, etc., per state mandates for addressing health and other non-energy benefits. Current environmental review of such IEQ impacts is very limited.
10:54:11	From Tom Phillips: Have the other NO2 guidelines considered multi-pollutant health effects? NO2 does not exist in a vacuum and is often thought to be a proxy for the health effects of combustion PM co-pollution. Also, the early Canadian epi study (Dales) found that gas stoves were associated with indoor mold and asthma.
10:54:28	From Tom Phillips: (I just copied most of my input from Q&A)
10:54:43	From Pat Wong: Thanks Tom!
10:55:50	From Alice Sung: Replying to "Have the other NO2"
	Important points, thanks Tom
10:57:20	From Tom Phillips: What are the risk reduction benefits of different alternatives, in terms of # of persons potentially affected and the degree of benefit. The data may be limited to support a detailed analysis, but some range or scenario analyses would help frame the discussion.
10:58:27	From Alice Sung: Replying to "What are the risks" Also, exposures to children in school kitchen environments might be interesting.