



Office of the City Manager

SUPPLEMENTAL AGENDA MATERIAL for Supplemental Packet 2

Meeting Date: May 20, 2025

Item Number: 32

Item Description: Appointment of Four Berkeley Residents to the SAFE STREETS Citizen Oversight Committee

Submitted by: Mark Numainville, City Clerk

The SAFE STREETS Citizens Oversight Committee is comprised of one member appointed from the Environment & Climate Commission, two members appointed from the Transportation & Infrastructure Commission, and four members of the public appointed by the City Council as a whole.

Attached are the resumes of the three members appointed by the Commissions. This information is provided to the Council in order to provide background on the three currently appointed members as the four public appointees are considered.

MISHA KESSELMAN

ENVIRONMENTAL ANALYST • THEY/THEM

About Me

I am a former student at UC Berkeley studying Society and Environment and Geospatial Information Systems. I'm interested in how social problems such as poverty, public health, and equity intersect with climate change, and studying and working in climate change adaptation. I'm working towards just, equitable, community-informed climate solutions that are accomplished through collective action.

Experience

Cecilia Lunaparra for Berkeley City Council 2024

Field Director

- Organize voter registration drives both on and off UC Berkeley's campus.
- Use GIS to create canvassing maps of voters within the district.
- Guide environmental and social policy positions of the campaign.

James Coleman for State Assembly 2021-2022

Campaign Coordinator

- Coordinated 30+ campaign endorsements from organizations and unions representing over 5 million Californians, including NorCal Carpenters and SEIU CA.
- Trained volunteers from around the Bay Area to make campaign calls and knock on doors.
- Used data-driven methods to identify potential voters and create walking maps

Education

2023 - Present UC Berkeley

Society and Environment BS
Geospatial Information Systems
and Technology minor

I'm a Society and Environment major specializing in US environmental policy and management alongside a minor in Geospatial Information Systems and Technology. Some of my favorite courses have been Climate Change Economics, Urban Development, and Geographic Information Science.

2020-2023 College of San Mateo

Associates in
Political Science
and Sociology

I achieved my goal of transferring to a four-year college while obtaining an associate of arts in political science, taking classes in international relations, state and federal government, and comparative foreign governments. On top of my political science degree, I also completed an associate in social science, focusing on sociology and environmental studies.

Languages

Fluent English
Intermediate Russian

Skills

- ArcGIS Pro
- Microsoft Suite
- Systematic and Critical Analysis
- Inclusive & Clear Communication

Arsh Singh Hothi

Data Lead - Transportation Technology

San Francisco Bay Area, California, United States

PROFESSIONAL SUMMARY

Project and product leader with 5+ years delivering technology, analytics, and infrastructure projects for government agencies and private sector partners. Experienced managing planning, design, procurement, construction, commissioning, and close-out phases while controlling scope, schedule, and budget. Skilled at translating CAD/AVL and other dispatch/operations data into actionable insights that improve reliability, safety, and sustainability, while coordinating engineers, vendors, and community stakeholders.

EXPERIENCE

Data Lead, Transit Operations Performance | 2024 – Present

San Francisco Municipal Transportation Agency (SFMTA) – San Francisco, CA

- Build and Track Transit Operations Performance KPIs for the agency. Design and maintain SQL models and BI dashboards for rail and bus using CAD/AVL data and operational data.
- Provide weekly/quarterly KPI briefings to operations, planning, and executive teams; insights inform resource allocation and operational policies, improving customer wait times and fleet utilization.
- Lead analytics backend for the agency's transit operations; creating, building, maintaining, and presenting key business metrics that guide personnel focus and daily fleet operations.
- Facilitate stakeholder workshops and training sessions that increase data-tool adoption across planning, training, IT, and operations departments.
- Coordinate with IT on radio, Wi-Fi, and GPS data feeds to ensure continuous reporting availability.

Transportation & Infrastructure Commissioner | 2025 – Present

City of Berkeley – Berkeley, CA

- Advise on multimodal transportation policies, infrastructure needs, and capital-project priorities.
 - Elected to the Safe Streets Citizen Oversight Committee.
 - Serve as AC Transit Liaison, synchronizing agency and city plans to enhance transit connectivity.
 - Act as Zero Waste Liaison and member of the Watershed Management Subcommittee, evaluating infrastructure proposals for resilience and sustainability.
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EARLIER PRODUCT & OPERATIONS ROLES

2017 – 2023

UrbanSim Inc. — Data Product Manager Consultant (2023)

- Led agent-based travel-demand model development. Wrote go-to-market strategy for product platform.

The Daily Californian — Director of Technology (2020–2022)

- Built the first mobile app and native ad-platform for the organization. Built a department from the ground up.

Tracflo Inc. — Product Manager Co-Op (2020)

- Built out product that streamlined commercial construction financials and tracked change orders.

Saint Trucking — Logistics Planner (2017–2019)

- Tracked performance and managed inventory for 50+ transportation assets (tractors, trailers, etc.).
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EDUCATION

University of California, Berkeley

Masters in Information and Data Science | Bachelors in Economics & Public Policy

Key Courses: Machine Learning, Data Engineering, AI, Programming (Python, R, SQL), Environmental Policy, Urban Design, Energy Policy, Urban Studies, Behavioral Microeconomics, Statistics, Econometrics.

LIZA LUTZKER

UC Berkeley | 

EDUCATION

<i>University of California, Berkeley School of Public Health, Berkeley, CA</i> PhD Student, Epidemiology Social Epidemiology and Traffic Safety Outcomes	Anticipated 2028
<i>Yale School of Public Health, New Haven, CT</i> MPH, Epidemiology of Microbial Disease Thesis: Landscape Correlates of Lyme Disease Risk	2007
<i>Amherst College, Amherst, MA</i> BA, Biology BA, Philosophy	2001

RESEARCH EXPERIENCE

University of California, Berkeley, Safe Transportation Research and Education Center Research Data Analyst 3	2023 – present
University of California, Berkeley, Environmental and Occupational Health Research Research Data Analyst 3	2017 – present
Research Data Analyst 2	2013 – 2017
Yale University Vector Ecology Research Associate	2005-2007

PROFESSIONAL EXPERIENCE

University of California, Berkeley, Environmental Health Sciences MPH Program Coordinator and Practicum Field Consultant	2017 – 2023
California Department of Public Health, Environmental Health Investigations Branch Epidemiologist	2008 – 2013
Massachusetts Department of Public Health, Occupational Health Surveillance Program Epidemiologist	2007 – 2008
Saint Ann's School, Brooklyn, NY Middle and High School Science Teacher	2001 – 2005

PUBLICATIONS (ORCID:0000-0003-0611-0158)

PEER REVIEW ARTICLES (*CONTRIBUTED EQUALLY)

- Jung YS, Aguilera J, Kaushik A, Ha JW, Cansdale S, Yang E, Ahmed R, Lurmann F, **Lutzker L**, ... [13 authors], Nadeau K. Impact of air pollution exposure on cytokines and histone modification profiles at single-cell levels during pregnancy. *Science Advances*. 2024 Nov 29;10(48):eadp5227. doi: [10.1126/sciadv.adp5227](https://doi.org/10.1126/sciadv.adp5227).
- Jung YS, Ha JW, Aguilera A, Kaushik A, Cansdale S, Yang E, Dermadi D, Lurmann F, **Lutzker L**, ... [13 authors], Nadeau K. Air Pollution and Pregnancy: Insights into Immune Response, Histone Modifications, and Cytokine Signatures. *J Allergy Clin Immunol* 2024 Feb 1;153(2):AB370. doi: [10.1016/j.jaci.2023.11.886](https://doi.org/10.1016/j.jaci.2023.11.886).
- Neophytou AM, **Lutzker L**, Good FM, ... [9 authors], Balmes JR. Associations between prenatal and early-life air pollution exposure and lung function in young children: exploring influential windows of exposure on lung development. *Environ Res* 2023 Feb 2;115415. doi: [10.1016/j.envres.2023.115415](https://doi.org/10.1016/j.envres.2023.115415).
- Ha JW, Aguilera J, Jung YS, Cansdale S, Lurmann F, **Lutzker L**, ... [13 authors], Prunicki M. The impacts of ambient air pollution exposure during pregnancy on maternal and neonatal inflammatory biomarkers. *J Allergy Clin Immunol* 2023 Feb 1;151(2):AB119. doi: [10.1016/j.jaci.2022.12.377](https://doi.org/10.1016/j.jaci.2022.12.377).
- Aguilera J, Han X, Cao S, Balmes J, Lurmann F, Tyner T, **Lutzker L**, ... [9 authors], Nadeau K. Increases in ambient air pollutants during pregnancy are linked to increases in methylation of IL4, IL10, and IFN γ . *Clin Epigenet* 2022 Mar 23;14(1):40. doi: [10.1186/s13148-022-01254-2](https://doi.org/10.1186/s13148-022-01254-2).

6. Zhang AL, Balmes JR, **Lutzker L**, ... [7 authors], Holm SM. Traffic-related air pollution, biomarkers of metabolic dysfunction, oxidative stress, and CC16 in children. *J Expo Sci Environ Epidemiol* 2022 July; 32(4):530-537. doi: [10.1038/s41370-021-00378-6](https://doi.org/10.1038/s41370-021-00378-6).
7. Allouch F, Chen KT, **Lutzker L**, Costello S, Picciotto S, Eisen EA. Racial disparities in alcohol-related liver disease mortality in a 75 year follow-up study of Michigan autoworkers. *SSM Popul Health* 2021 Aug 1;15:100886. doi: [10.1016/j.ssmph.2021.100886](https://doi.org/10.1016/j.ssmph.2021.100886).
8. Mann JK*, **Lutzker L***, Holm SM, ... [12 authors], Balmes JR. Traffic-related air pollution is associated with BMI-percentile, glucose dysregulation, oxidative stress and systolic blood pressure in children. *Environ Res* 2021 Apr;195:110870. doi: [10.1016/j.envres.2021.110870](https://doi.org/10.1016/j.envres.2021.110870).
9. Costello S, Chen K, Picciotto S, **Lutzker L**, Eisen E. Metalworking fluids and cancer mortality in a US autoworker cohort (1941–2015). *Scand J Work Environ Health* 2020 - online first. doi: [10.5271/sjweh.3898](https://doi.org/10.5271/sjweh.3898).
10. Neophytou AM, Costello S, Picciotto S, Noth EM, Liu S, **Lutzker L**, Balmes JR, Hammond SK, Cullen MR, Eisen EA. Accelerated Lung Function Decline in an Aluminium Manufacturing Industry Cohort Exposed to PM2.5: An Application of the Parametric g-Formula. *Occupational and Environmental Medicine* 2019; 76:888-894. doi: [10.1136/oemed-2019-105908](https://doi.org/10.1136/oemed-2019-105908).
11. Ryan-Ibarra S, Milet M, **Lutzker L**, Rodriguez D, Induni M, Kreutzer R. Age, Period, and Cohort Effects in Adult Lifetime Asthma Prevalence in California: an Application of Hierarchical Age-Period-Cohort Analysis. *Ann Epidemiol* 2016; 26:87-92. doi: [10.1016/j.annepidem.2015.12.002](https://doi.org/10.1016/j.annepidem.2015.12.002).
12. **Lutzker LA**, Rafferty AP, Brunner WM, Walters JK, Wasilevich EA, Green MK, Rosenman KD. Prevalence of Work-Related Asthma in Michigan, Minnesota, and Oregon. *J Asthma* 2010; 47:156-161. doi: [10.3109/02770900903509073](https://doi.org/10.3109/02770900903509073).

AUTHORED RESEARCH REPORTS

1. California Department of Transportation, February 2024. California Safe Speeds Decision Maker and Community Stakeholder Education Toolkit, Training and Technical Assistance Project. Project No. 50A0015. Authors: Griswold J, **Lutzker L**, Guibert KC, Hui M, Nichols A, and Miller R.
2. California Department of Transportation, May 2023. [Developing A Safe System Approach to Setting Speed Limits](#). Project No. 65A0808. Authors: Griswold JB, **Lutzker L**, Fournier N, Grembek O, Fox J, and Shahum L.
3. **Lutzker L** and Tobacman J. [The Overlapping Issues of Health and Housing: A Report on California Statewide Data and Healthy Housing Indicators](#). Richmond (CA): California Department of Public Health, Environmental Health Investigations Branch; 2013 Oct. 94 p. doi: [10.13140/RG.2.2.34756.91524](https://doi.org/10.13140/RG.2.2.34756.91524)
4. Milet M, **Lutzker L**, Flattery J. Asthma in California: A Surveillance Report. Richmond (CA): California Department of Public Health, Environmental Health Investigations Branch; 2013 May. doi: [10.13140/RG.2.2.17979.69927](https://doi.org/10.13140/RG.2.2.17979.69927)

SELECT OTHER PUBLICATIONS

1. Griswold J, **Lutzker L**, Shahum L. A Safe System Approach to Setting Speed Limits [Policy Brief prepared for Caltrans]. UC Berkeley Safe Transportation Research and Education Center (SafeTREC) and Vision Zero Network. Project No. 65A0808. 2023 May.
2. Oxholm P, Gosselin K, **Lutzker L**, Mizell N, Zander S. [Opinion: For Berkeley to reimagine public safety, we must grapple with traffic enforcement](#); Berkeleyside, 2021 March.
3. Lent T and **Lutzker L**. [E-bikes: Key to Berkeley's Climate & Public Safety Goals Recommendations to expand the role of e-bikes in the Berkeley Electric Mobility Roadmap](#). Walk Bike Berkeley Technical Report; 2019 November. doi: [10.13140/RG.2.2.27575.55208](https://doi.org/10.13140/RG.2.2.27575.55208)
4. **Lutzker L**, Gerhardstein B, Paulos B, Prinz R. [Open letter: Bike, pedestrian advocates ask city to stop 'misguided' enforcement](#); Berkeleyside, 2019 September.
5. Gerhardstein B, **Lutzker L**, Erbe J, Ghosh B, Swanson-Hysell NL, Hyatt M, Walden J, Lent T, Paulos B, Parolek K. [Opinion: 6 steps Berkeley should take to make our streets safe for all people](#); Berkeleyside, 2019 January.

PRESENTATIONS

INVITED TALKS AND PANEL DISCUSSIONS

1. Mar 2025, Lifesavers Conference, "Local Technical Assistance for Safe Speed Limit Setting in California"
2. Sep 2023, Center for Policing Equity's Elected Leaders Council: "Non-police Traffic Enforcement"
3. Sep 2022, San Jose Solidarity Summit, Invited Plenary Presentation: "TRUST and Safety: Community Solutions - BerkDOT"
4. Apr 2022, CalBike Summit, Invited Panel Presentation: "Reimagining Traffic Enforcement"
5. Oct 2020, Oregon Public Health Association Annual Meeting, Invited Panel Presentation: "De-Policing Transportation in Berkeley: an equity-based, data-driven, engineering-first approach to safety on our streets"
6. Nov 2016, San Joaquin Valley Asthma, Air Pollution, and Health Symposium, Invited Presentation: "Overview of the CHAPS Research Study"

CONFERENCE PRESENTATIONS

1. [ACCEPTED] June 2025, Society for Epidemiologic Research. "Trends and disparities in pedestrian injuries and fatalities in hit-and-run crashes."
2. June 2013, Council of State and Territorial Epidemiologists (CSTE) Annual Meeting: "Examining Age, Period, and Cohort Effects in Adult Lifetime Asthma Prevalence: 26 Years of Historical Survey Data in California"
3. Jun 2011, Council of State and Territorial Epidemiologists (CSTE) Annual Meeting: "Asthma surveillance: capacity building for California's American Indian/Alaska Native population"
4. Jun 2009, CSTE Annual Meeting: "Work-Related Asthma Findings from the 2005 BRFSS Adult Asthma Call-back Survey in Three Pilot States: Michigan, Minnesota and Oregon"
5. Mar 2009, Behavioral Risk Factor Surveillance System (BRFSS) Annual Meeting: "Work-Related Asthma Findings from the 2005 BRFSS Adult Asthma Call-back Survey in Three Pilot States"
6. Oct 2008, American Public Health Association (APHA) Annual Meeting: "Asthma Mortality Varies Substantially in Asian and Hispanic Race/Ethnicity Subgroups in California"
7. Jun 2008, CSTE Annual Meeting: "Assessing the Utility of Emergency Department Records for Work-Related Asthma Case Ascertainment in Massachusetts"

GRANTS AND CONTRACTS

US Department of Transportation, University Transportation Centers Program, Center for Pedestrian and Bicyclist Safety. "Pedestrian Fatalities & Injuries in Hit-and-Run Crashes in California, Tennessee & the US: Recent Trends and Risk Factors" (Co-Investigator), \$108,010, 2024-2025. PI: Julia Griswold

US Department of Transportation, University Transportation Centers Program, Center for Pedestrian and Bicyclist Safety. "Fire Safety and Safe Streets: Understanding Conflicts between Safe Streets Improvements and Emergency Response" (Co-Investigator), \$86,736, 2024-2025. PI: Zachary Lamb

US Department of Transportation, University Transportation Centers Program, Center for Pedestrian and Bicyclist Safety. "Creating a Data Resource of California Police Stops for Use in Traffic Safety Applications" (Co-Investigator), \$63,669, 2023-2025. PI: Julia Griswold

California Air Resources Board. "Children's Health and Air Pollution Study: Standardized Assessments, Attention and Cognition in California Kids (CHAPS: STACK)" (Co-Investigator), \$499,976, 2023-2025. MPIs: Stephanie Holm, Elizabeth Noth, Nina Holland

NIH/National Institute of Environmental Health Sciences. "Children's Health and Air Pollution Study (CHAPS) Cohort Maintenance" (Co-Investigator), \$2,045,154, 2019-2025 (NCE). MPIs: John Balmes, Elizabeth Noth, Nina Holland

HONORS AND AWARDS

T32 NIH Computational Social Sciences Fellowship (Tuition and Stipend), UC Berkeley	2024 – 2026
Full Tuition Award, Department of Epidemiology, Berkeley School of Public Health	2023 – 2025
Staff SPOT Award (recognized for DEIBJ Service), Berkeley School of Public Health	2021, 2022
Staff SPOT Award (recognized for Student Support), Berkeley School of Public Health	2020
JA Stolwijk Fellowship in Epidemiology & the Environment, Yale School of Public Health	2006 – 2007

PROFESSIONAL SERVICE

BTS-42 Panel Member, National Academies, TRB Cooperative Research Program	2024 – present
Caltrans Strategic Highway Safety Plan (SHSP) Equity-related Data Working Group	2024 – present
Ad-Hoc Reviewer, Transportation Research Reviews (TRR)	2024 – present
Ad-Hoc Reviewer, American Journal of Epidemiology	2023 – present
Committee Member, Johns Hopkins Univ: Modernizing Enforcement in Roadway Safety	2023
UC Berkeley Parking & Transportation Mobility and Equity Committee	2022 – 2023
Co-Lead, UC Berkeley, Environmental Health Sciences Antiracist Initiative	2020 – 2023
Member, UC Berkeley School of Public Health Antiracism Data & Evaluation Team	2019 – 2023
Advisory Council Chair, Bay Area Air Quality Management District	2011 – 2015

VOLUNTEER SERVICE TO THE COMMUNITY

City of Berkeley Measure FF Oversight Committee	2025 – present
City of Berkeley Transportation & Infrastructure Commission	2022 – present
City of Berkeley Vision Zero Coordinating Committee	2022 – present
Co-Founder and Co-Lead, Walk Bike Berkeley	2018 – present
City of Berkeley Fair & Impartial Policing Subcommittee, Police Accountability Board	2022 – 2024
Berkeley Unified School District Committees – Climate Literacy, Wellness, Sustainability	2018 – 2024
Safe Routes to School Champion	2016 – 2023
City of Berkeley Re-Imagining Public Safety Task Force	2021 – 2022
City of Berkeley Vision Zero Community Advisory Committee	2019

PROFESSIONAL MEMBERSHIP

Society for Epidemiologic Research	2024 – present
Transportation Research Board	2024 – present
American Public Health Association	2009 – present

MEDIA INTERVIEWS

CalMatters: " License to Kill "	April 14, 2025
Spectrum News 1: " Don't park too close to a crosswalk starting in 2025 "	January 2, 2025
Fox KTVU 2: " 2025 brings handful of new California car laws "	December 30, 2024
KQED/NPR: " What to Know About the 'Daylighting' Parking Laws in 2025 "	December 28, 2024

TEACHING EXPERIENCE

School of Public Health, University of California, Berkeley	
Guest Lecturer – PH C285 Traffic Safety and Injury Control	Spring 2023 & 2024
Guest Lecturer – PH 285A Public Health Injury Prevention and Control	Fall 2021 & 2022
Co-Instructor – PH 292 Environmental Health Sciences Career Pathways	Spring 2018 – 2023
Guest Lecturer – PH 150B Human Health & the Environment	Fall 2022
Co-Instructor – PH 292 Environmental Health Sciences Capstone Seminar	Spring 2018 – 2021
IGNITE / Project Air Summer Session, Berkeley, CA	
Lecturer	Summer 2019-2023

MENTORING**MPH STUDENTS**

Melie Ekunno	2022 – 2024
Laurel Denyer	2022 – 2023
Tyra Parrish	2021 – 2023
Sarah Abdelrahman	2022
Michelle Williams	2021 – 2022
Laura Diaz	2021
Valerie Zhang	2020-2022

UNDERGRADUATE STUDENTS

Hazel Lam	2018 – 2022
De'Asia Thomas	2021
Ana Diaz	2018 – 2021
Barune Thapa	2017 – 2019
Natalie Myren	2016 – 2017