



LOS ALAMOS

County of Los Alamos

1000 Central Avenue
Los Alamos, NM 87544

Agenda - Final

Environmental Sustainability Board

*Shannon Blair, Chair; Sue Barns, Vice-Chair; Joseph Chandler;
Jyl DeHaven; Hermann Geppert-Kleinrath, and Rebecca
Paley-Williams, Members*

Thursday, July 17, 2025

5:30 PM

1000 Central Avenue, Council Chambers and
Zoom

NOTE: This meeting is in person and open to the public. However, for convenience, the following Zoom meeting link and/or telephone call in numbers may be used for public viewing and participation:

Please click this URL to join. <https://us02web.zoom.us/j/85656951187>

Or One tap mobile:

+17193594580,,85656951187# US

+16694449171,,85656951187# US

1. CALL TO ORDER - ROLL CALL

2. PUBLIC COMMENT

This section of the agenda is reserved for comments from the public on items that are not otherwise included in this agenda.

3. APPROVAL OF AGENDA

4. APPROVAL OF MINUTES

[20404-25](#)

Approval of May 15, 2025, Environmental Sustainability Board Minutes

Presenters: Shannon Blair

Attachments: [A - Draft ESB Minutes May 15, 2025](#)

5. BOARD BUSINESS

[20418-25](#)

Planetary Health: An Overview by Heidi Rogers

Presenters: Heidi Rogers

Attachments: [A - Planetary Health by Heidi Rogers](#)

[20417-25](#)

Plastic Bag Working Group Update

Presenters: Shannon Blair, Hermann Geppert-Kleinrath and Rebecca Paley- Williams

Attachments: [A - Plastic Bag Working Group Update](#)
[B - History of Plastic Bag Initiatives in Los Alamos County](#)

6. REPORTS

A. Chair's Report - Shannon Blair

- 1). Board of Public Utilities - Sue Barns/Shannon Blair
- 2). Transportation Board - Hermann Geppert
- 3). Parks and Recreation Board - Shannon Blair
- 4). Health Council - Jyl DeHaven
- 5). County Council Liaison - Ryn Herrmann
- 6). Inclusivity Task Force - Xeph Ivankovich and KokHeong McNaughton

B. Working Groups and Steering Committee

- 1). Los Alamos Sustainability Alliance - Sue Barns and Rebecca Paley-Williams
- 2). Education and Outreach Work Group
- 3). Community-Wide EV Study Working Group
- 4). Plastic Bag Fee Research Group - Shannon Blair, Rebecca Paley-Williams, and Hermann Geppert-Kleinrath
- 5). Bee City Los Alamos - Britton Donharl

7. STAFF REPORT

[20419-25](#) Sustainability Manager Updates

Presenters: Angelica Gurule

Attachments: [A - Sustainability Manager Update to County Council July 8, 2025](#)
[B - Residential Sustainability Report - JUNE 2025.pdf](#)

8. PREVIEW OF UPCOMING AGENDA ITEMS**9. ADJOURNMENT**

If you are an individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing or meeting, please contact the County Human Resources Division at 662-8040 at least one week prior to the meeting or as soon as possible. Public documents, including the agenda and minutes can be provided in various accessible formats. Please contact the personnel in the Community Services Administration Office at 662-8163 if a summary or other type of accessible format is needed.



County of Los Alamos

Staff Report

July 17, 2025

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals):

Presenters: Shannon Blair

Legislative File: 20404-25

.Title

Approval of May 15, 2025, Environmental Sustainability Board Minutes

...Recommended Action Motion

I move that the Environmental Sustainability Board approve the May 15, 2025, minutes as presented.

Or

I move that the Environmental Sustainability Board approve the May 15, 2025, minutes as amended.

.Body

The ESB will review and approve the Environmental Sustainability Board Minutes from May 15, 2025.

.Attachments

A - Draft ESB Minutes May 15, 2025



County of Los Alamos

BCC Meeting Minutes - Draft

Environmental Sustainability Board

1000 Central Avenue
Los Alamos, NM 87544

Shannon Blair, Chair; Sue Barns, Vice-Chair; Joseph Chandler; Jyl DeHaven; Hermann Geppert-Kleinrath, and Rebecca Paley-Williams, Members

Thursday, May 15, 2025

5:30 PM

1000 Central Avenue, Council Chambers
and Zoom

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+16694449171,,85656951187# US

1. CALL TO ORDER - ROLL CALL

5:31 p.m.

2. PUBLIC COMMENT

Michael Dempsey commented on astroturf and doesn't want it in White Rock. He mentioned it was not ecologically sound.

3. APPROVAL OF AGENDA

Motion to approve the agenda by Member DeHaven second by Member Geppert-Kleinrath the motion passed unanimously.

4. APPROVAL OF MINUTES

[20198-25](#) Approval of April 17, 2025, Environmental Sustainability Board Minutes

Presenters: Shannon Blair

Motion to approve the minutes of April 17, 2025, by Member Barns, second by Member DeHaven the motion passed unanimously.

5. BOARD BUSINESS

[20197-25](#) Discuss and Appoint Liaison Assignments

Presenters: Shannon Blair

A motion for the Environmental Sustainability Board appoints member Sue Barns to the Board of Public Utilities sharing assignment with Chair Blair by Member Barns, second by Member Geppert-Kleinrath the motion passed unanimously.

[20201-25](#)

LAC Energy Management Program Proposal and Net Zero Airport Initiative
The Board was very interested in the findings and would like to support this initiative.

Presenters: Shannon Blair

6. REPORTS

A. Chair's Report - Shannon Blair

Chair Blair reminded everyone of vacancies, also gave a brief overview of the B&C luncheon.

1). Board of Public Utilities - Shannon Blair

The Board of Public Utilities approved their budget, got approval for the Trinity Drive gas and water lines project.

2). Transportation Board - Hermann Geppert

Member Geppert-Kleinrath reported that he attended the May Transportation Board, there were three topics, 1) the Canyon Rim Trail is moving forward and they want to start up to 90% completion, extended from Smith's to 15th Street, then further to 20th Street, 2) the ACT-Fleet Transition Plan, the Hydrogen to EV Ratio, buses have been ordered and have been delayed, and 3) crossings, small but constant request for crossings, problem being that most crossings that people are asking for aren't crossing that wouldn't get enough use therefore do not warrant having a crossing in certain areas.

3). Parks and Recreation Board - Shannon Blair

Chair Blair gave an update on the Park and Recreation Board meeting, PRB activated a Park Bike working group, pointed towards implementing a Bike Park in town. Also, there is also a working group for the North Mesa Master Plan.

4). Health Council - Jyl DeHaven

Member DeHaven reported that the Los Alamos County Health Council spent a lot of time on suicide prevention and how to they handle 988 suicide calls, that has escalated into a working group for the health council that will designing and building a road map as to what are the needs in Los Alamos that fall under Social Services and of those needs which have to be in a physical location. The goal is that by the end of the summer they can discuss the actual logistics of services provided and the needs and wants.

5). **County Council Liaison - Ryn Herrmann**

Councilor Herrmann gave some highlights on Council Meetings, one being an interesting proclamation on the Cerro Grande Fire – 25 Years ago, the County has invited the community by honoring this event by sharing memories, photos, videos of the Cerro Grande Fire. Had an overview of the 2025 Legislative Session by Representative Christine Chandler. Gave an update on the local small business engagement working group, Councilor’s Rytí, Councilor Reagor and Councilor Herrmann have been meeting with property owners to chat about LEDA for retail, attending Los Alamos Coalition meetings, and meeting with small business owners. Los Alamos County recently signed an MOU with a group called Cities Work which is the institute for Justice Non-partisan Regulatory Consulting Initiative who are committed to increasing the economic opportunity and fostering entrepreneurship in cities across the country. They partner with cities to start a business all free of charge. By working free of charge, they pick the communities they want to work with, and Los Alamos is by far the smallest community they have ever worked with.

6). **Inclusivity Task Force - Xeph Ivankovich and KokHeong McNaughton**

None.

B. Working Groups Reports and Steering Committee

Sustainability Manager Angelica Gurule reported that LASA met and mostly discussed the upcoming Water Festival that was held on May 20th and 21st and the committee decided on the activity they were going to work on. Are collective working on an extreme heat information to share with the community, also talked about developing a welcoming kit for new residents to the community.

1). **Los Alamos Sustainability Alliance - Sue Barns/Rebecca Paley-Williams**

2). **Education and Outreach Work Group - Angelica Gurule/Sue Barns**

Member Barns reported that the Education and Outreach Working Group issued an RFP for Climate Marketing and Engagement Services, this is a Council initiative.

3). Community-Wide EV Study Working Group - Angelica Gurule/Sue Barns

Member Barns reported that the Community-Wide EV working group had a table at the Farmers Market asking attendees if they were interested in having an EV project. Sustainability Manager Gurule reported on the Community Visioning meeting held on May 12th for the EV project, had a presentation by Stantec, had stations where you could voice your priorities on the plan, another on concerns about owning an EV, and a station where you could put dots as to where you would like EV stations around town. Next step will be sending out a survey as to where the charges should be in the community. The draft of the plan will be presented to BPU, ESB and Council in October 2025.

4). Plastic Bag Fee Research Group - Shannon Blair, Hermann Geppert, Rebecca Paley-Williams

Chair Blair reported that the Plastic Bag working group met with the City of Las Cruces on May 9th to understand how they implemented the plastic bag fee. They are going to meet with Santa Fe to discuss their plastic bag ordinance. Member Paley-Williams is working on the legal review.

5). Bee City Los Alamos - Britton Donharl

Bee City report was sent via email and is attached to the minutes.

7. STAFF REPORT

[20199-25](#) Sustainability Manager Updates

Presenters: Angelica Gurule

Sustainability Manager Angelica Gurule reported that the Sustainability Newsletter subscribers continue to grow. The County is constructing EV infrastructure for 3 level two chargers and replacing the 3 existing chargers for a total of 6 chargers at the Muni. Bldg., design has been completed and is going out for bid. The council has given funding for energy audit services to the community will be developing scope of work. She thanked everyone for help with Earth Day events, asked for volunteers for the Farmers Market and volunteers needed for the Water Festival. She also shared the Residential Sustainability report

8. PREVIEW OF UPCOMING AGENDA ITEMS

Member Geppert-Kleinrath would like to present on the bicycle working group recommendations at the next meeting, and Airport Manager Gary Goddard will give an update in May of 2026. The plastic bag working group will provide an update in July 2025.

9. ADJOURNMENT**6:54 p.m.**

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Bee City Los Alamos Update
Environmentally Sustainability Board
May 15, 2025

Britton Donharl, Coordinator
coordinator@beecitylosalamos.org

Bee City Los Alamos activities in April:

- Participated the County Earth Day Festival, April 22
- Participated in the Los Alamos High School Eco Summit, April 25
- Participated in PEEC's 25th Anniversary Earth Day Festival, April 26

Ongoing and Upcoming events May:

- Voting on the Newsletter Name and Art Contest is open to the public; has been shared through PEEC and the Bee City Los Alamos newsletter subscriber list.
 - Vote here: <https://forms.gle/LeXeSMcvNUppi1r8>
- Volunteer Mulch Day was attended by 6 volunteers; weeds were pulled, last year's stems and stalk were removed, and a load of mulch was spread on the garden- garden looks good!
- Native Plant Sale Fundraiser is this Saturday, May 17th, 9:00 - 12:00pm, at the Los Alamos Nature Center

The application for a Backyard Pollinator Garden Program plant kit will be available in early June. Applicants will need to complete the application, and must have a planting location in the County to be considered for receiving a set of plants from the program. The number of plant kits to be distributed are limited, so the application is necessary. The application will be shared via the Bee City Los Alamos newsletter, PEEC.

Los Alamos County Fleet Conversion Plan and Community-Wide EV Charging Plan

Project Kick-Off Meeting





Agenda

1. Project purpose
2. EV fleet conversion plan
3. EV charging plan
4. Engagement strategy
5. Deliverables and timeline

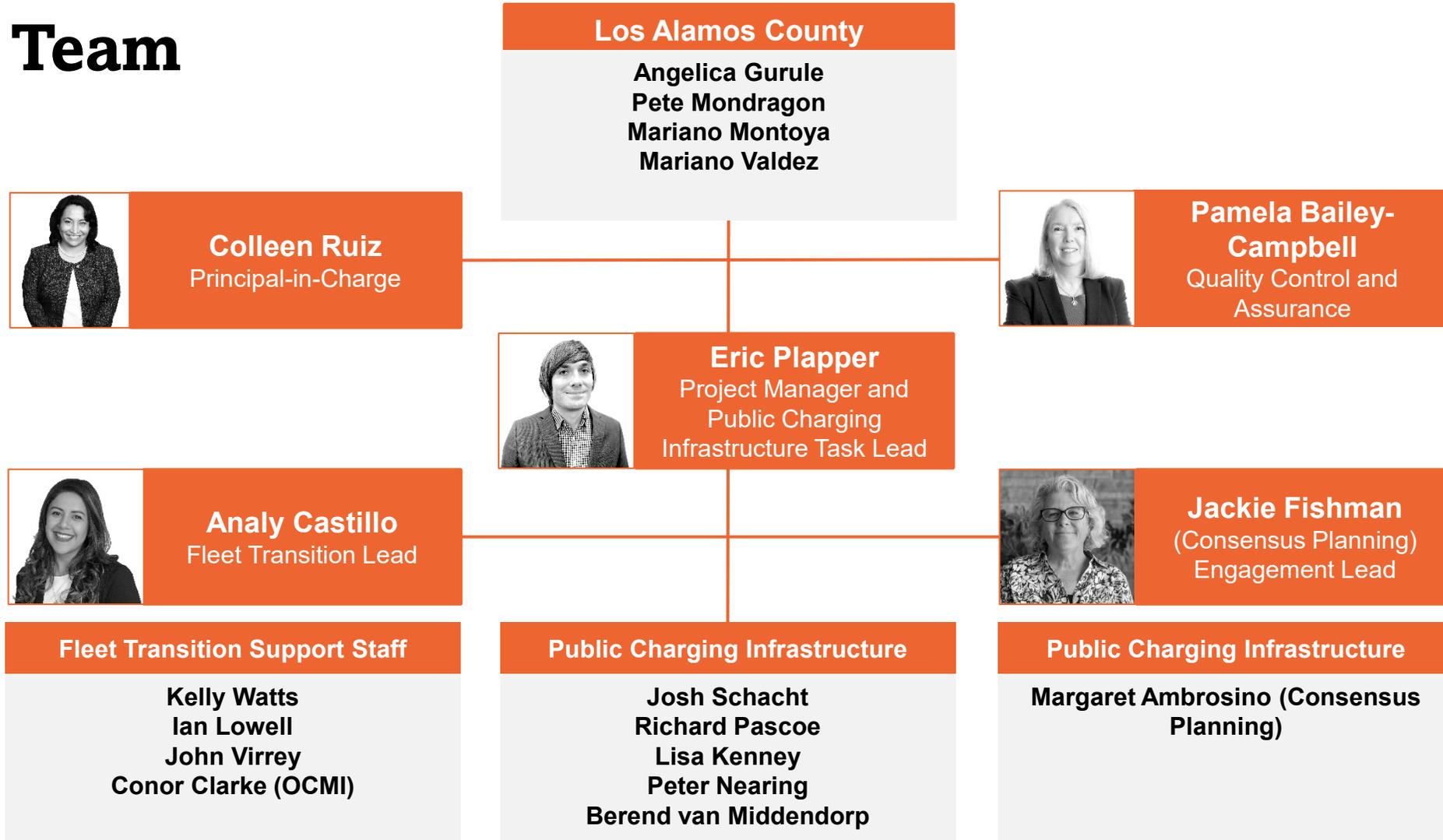


Project Purpose

1. Reduce greenhouse gas (GHG) emissions from the County fleet
2. Expand EV charging infrastructure
3. Engage County partners



Project Team





Fleet and Facilities Existing Conditions

Industry Review

- Vehicles
- Technologies
- Manufacturers
- Charging and fueling equipment

Site visits

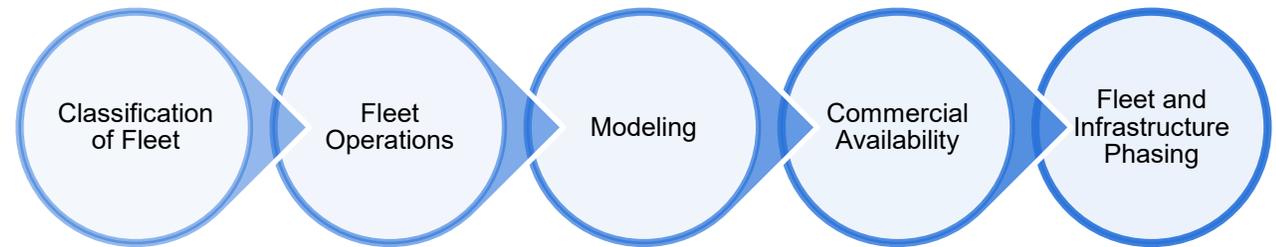
- Current fleet
- Vehicle and equipment replacement policies
- Facilities overview
- Site capacity
- Space constraints
- Charger locations
- Utility services





County Fleet Conversion Plan

- Vehicle performance and power modeling
 - Identify energy requirements and expected operational range
- Vehicle replacement schedule & rightsizing
- Facility assessment and infrastructure upgrades
- GHG emissions analysis
- Financial analysis
- **Task deliverable:** County Fleet Conversion Plan

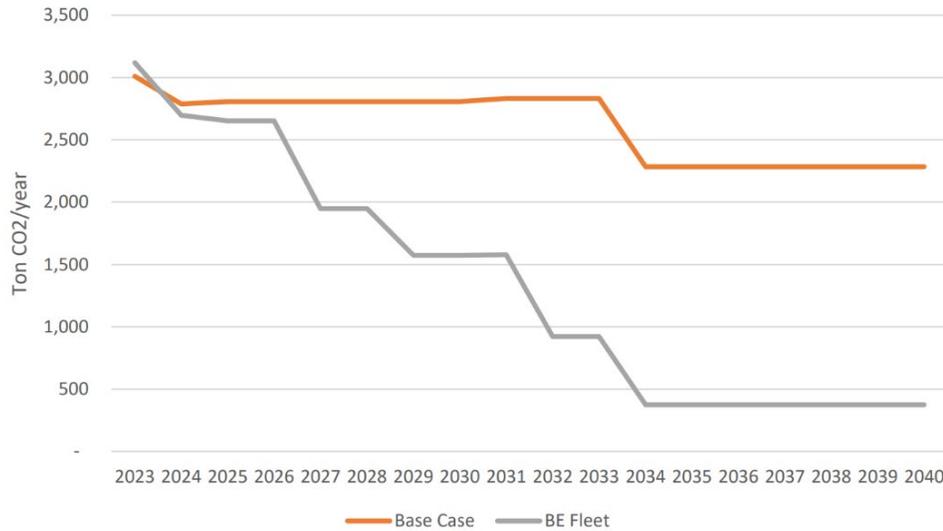




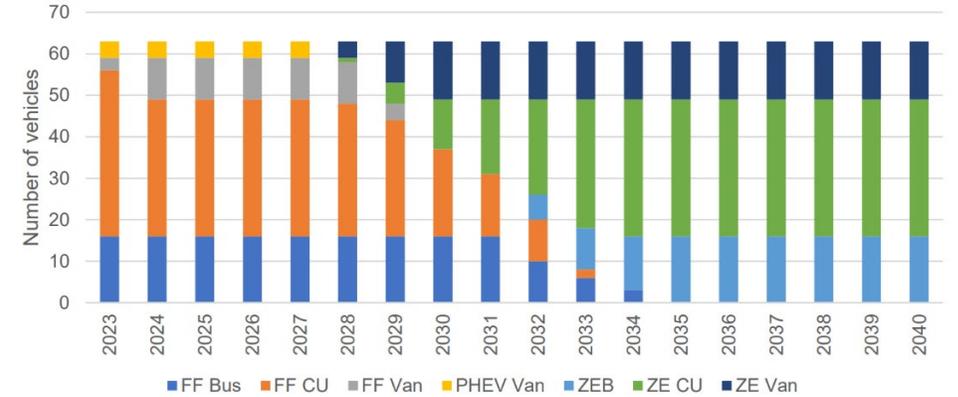
County Fleet Conversion Plan

Quantitative analysis of the fleet will inform the budget, timeline, and approach to EV conversion.

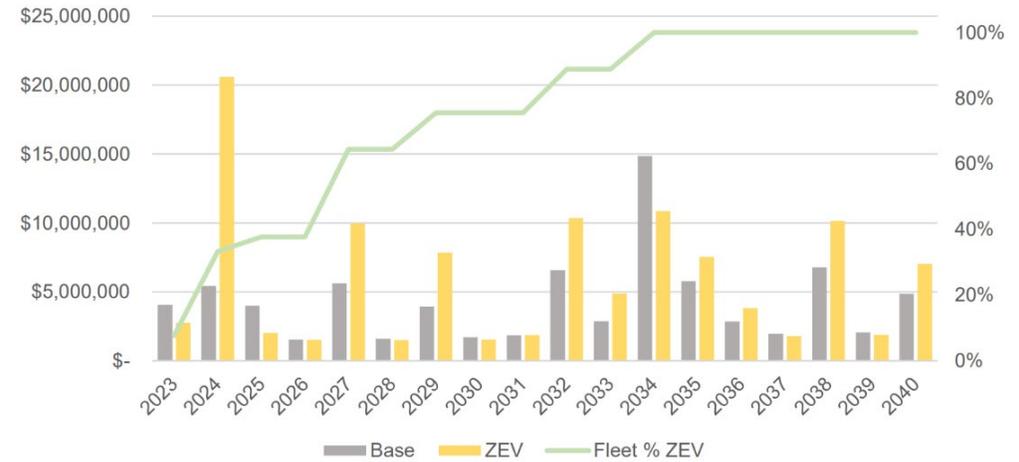
Example GHG Emissions Over Transition Timeline



Example Fleet Composition of Transition Timeline

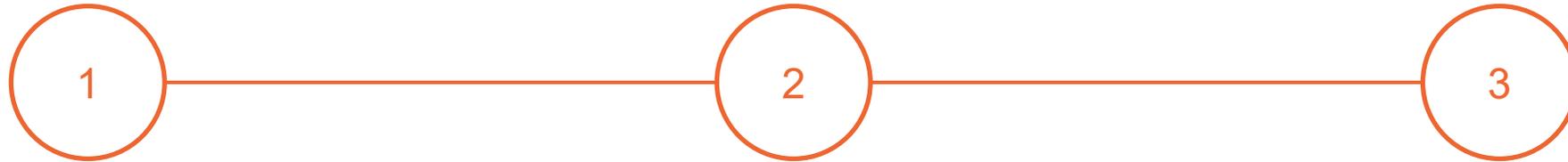


Financial Analysis Example





Community-Wide EV Charging Plan



Contextual Scan and Assessment:

- Relevant local plans
- Permitting, code, and zoning assessment

Deliverable: Contextual Scan and Assessment Technical Memo

Technical Analysis:

- Demand projection
- Suitability analysis
- Equity in the mapping process

Deliverable: Integrated Mapping Analysis Technical Memo

Implementation Plan:

- Business model assessment
- Public infrastructure costs and return on investment

Deliverables: Public Charging Infrastructure Readiness Plan



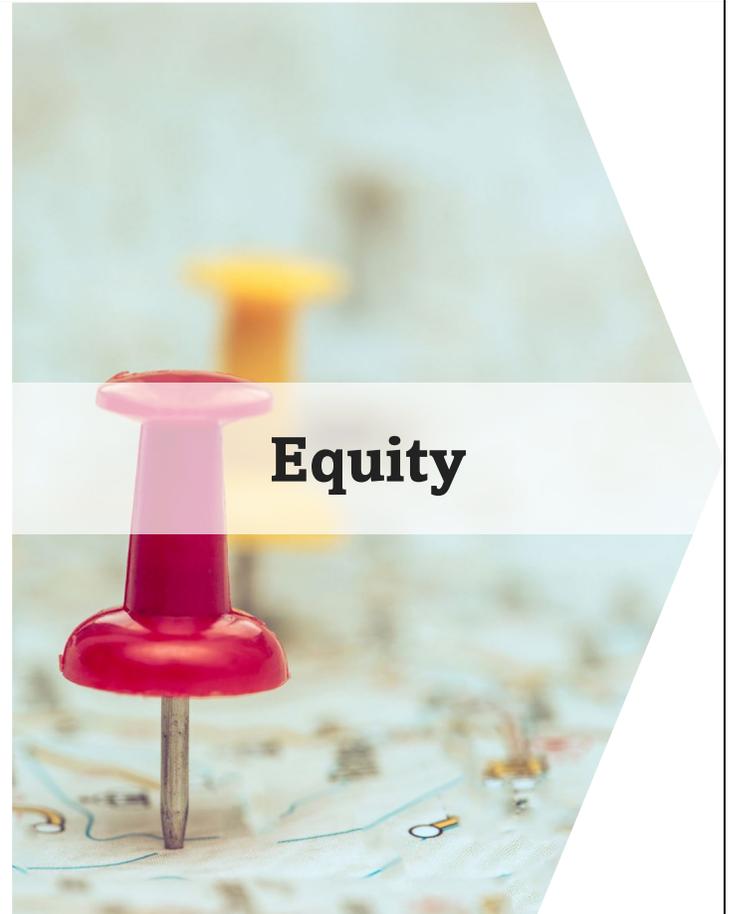
Relevant Local Plans

- Los Alamos County Climate Action Plan
- LAC Department of Public Utility Integrated Resource Plan
- New Mexico Clean Car Rule
- New Mexico Priority Climate Action Plan
- NMDOT New Mexico 2045 Plan
- New Mexico EV Infrastructure Deployment Plan
- Northern Pueblos Regional Transportation Plan
- LAC Code of Ordinances
- County Comprehensive Plan
- Procurement Policy





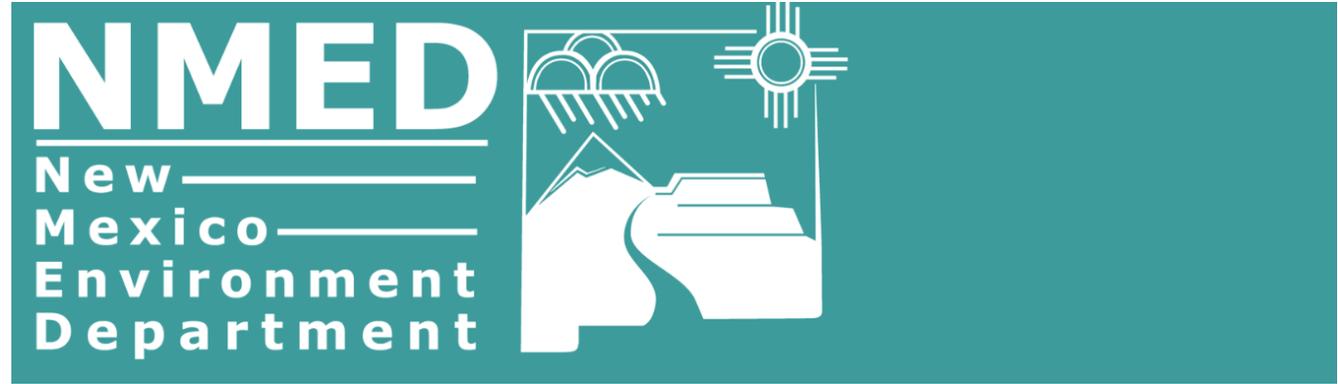
What are we looking for in an ideal charging network?





New Mexico Clean Car Rule

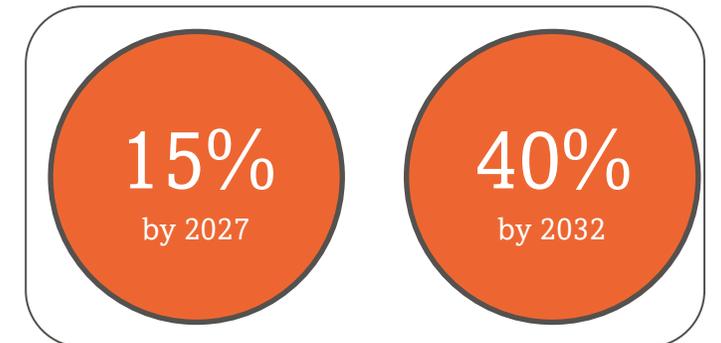
The New Mexico Clean Car Rule sets low-emission and zero-emission standards for new cars and trucks sold in the state, starting in 2026.



Light Duty Vehicles

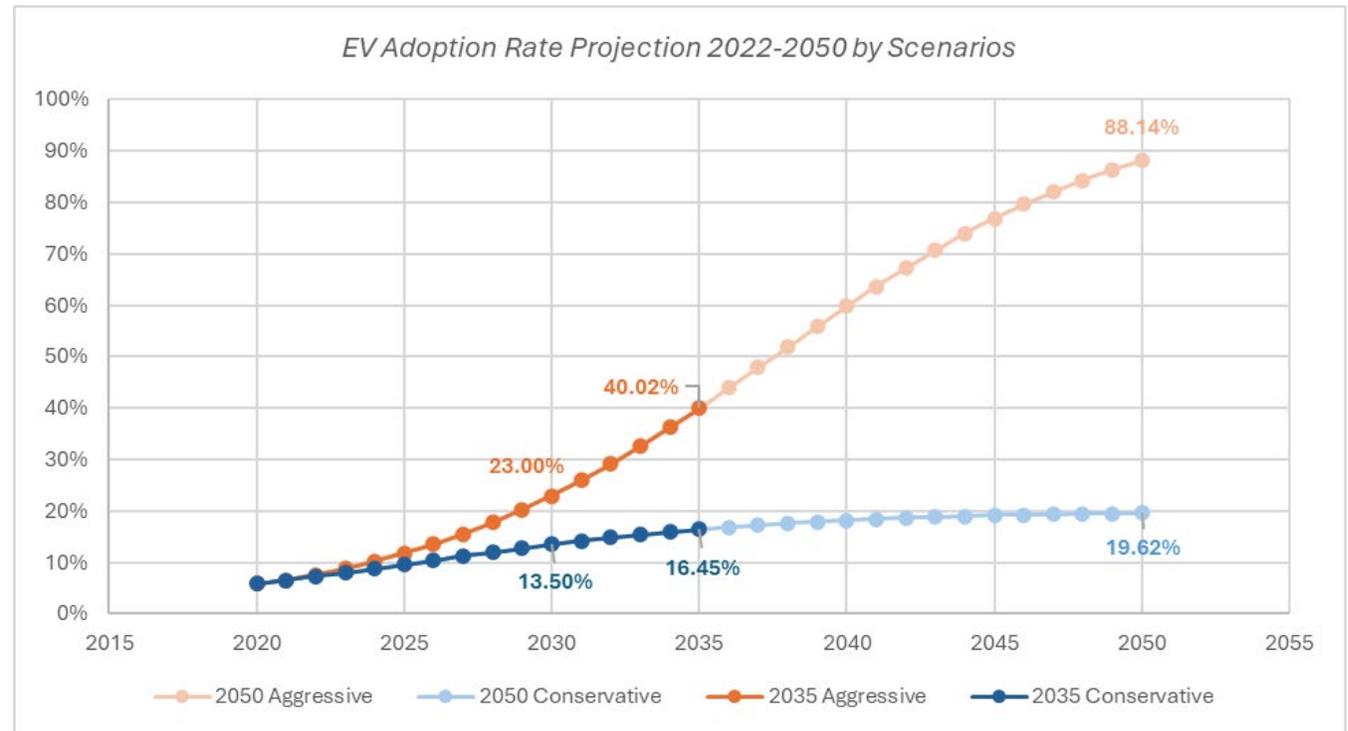


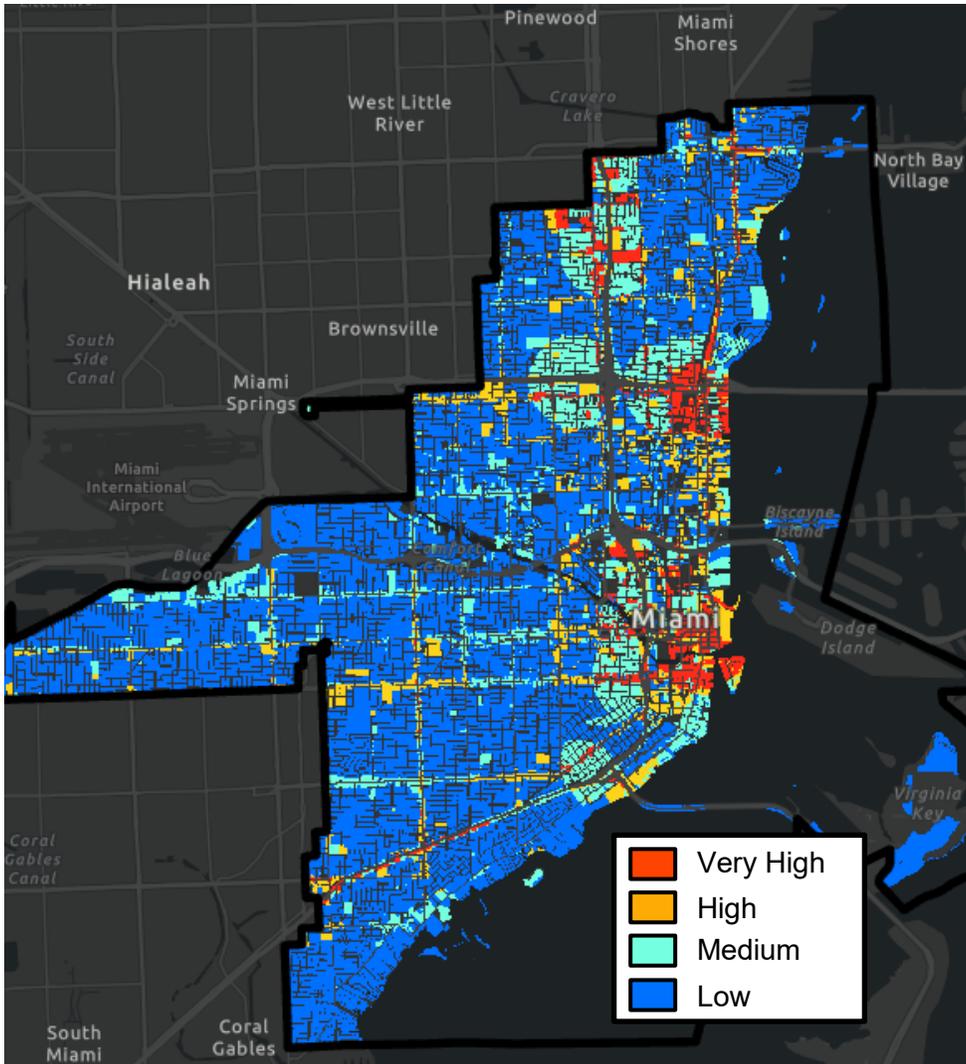
Trucks





- Current registration
- Recent growth in registration
- Alignment with global and national trends
- Developing scenarios





Miami, FL Public Charging Infrastructure Suitability Analysis

Scenario Planning:

- Base case
- Underserved communities
- Corridor charging
- Commercial opportunities
- City-owned property



Public and Partner Engagement

Partner and Partner Engagement Plan:

- Partner registry
- Public engagement strategy
- Opportunities to leverage industry organizations

Partner Advisory Meetings:

- Virtual kick-off meeting with County Council
- Virtual presentation of draft fleet and public charging infrastructure plans to County Council, Environmental Sustainability Board, and Board of Public Utilities (one each)
- Virtual presentation of final deliverables to the entities above (one each)

Public Engagement:

- Leverage existing community-based organizations
- Administer statistically valid survey
- EV fact sheet
- One in-person community meeting
- One online community meeting
- Public and Partner Engagement Summary Technical Memorandum
- Opportunity to review and comment on final deliverables



Project Deliverables



Los Alamos EV Readiness Plan

Fleet Conversion Plan

Vehicle performance and power modeling

Vehicle replacement schedule

GHG emissions analysis

Facility assessment and infrastructure upgrades

Financial analysis

County fleet conversion plan

EV Charging Plan

Local plan review

Permitting, code, and zoning assessment

Demand projection

Suitability analysis

Equity in the mapping process

Integrated mapping analysis technical memo

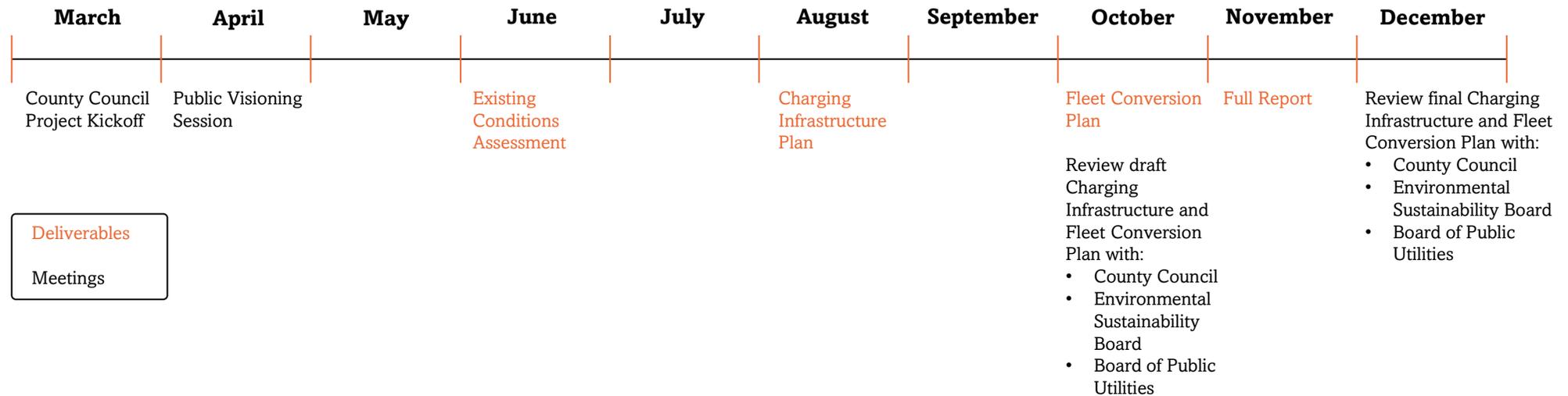
Business model assessment

Public infrastructure costs & ROI assessment

Public charging infrastructure final plan



Project Timeline





Next Steps



Community visioning session with the public



Fleet and facilities existing conditions assessment



Review of relevant plans and policies



Community-wide demand, suitability, and equity analysis

Questions



County of Los Alamos

Staff Report

July 17, 2025

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals):

Presenters: Heidi Rogers

Legislative File: 20418-25

Title

Planetary Health: An Overview by Heidi Rogers

.Recommended Action

N/A

Body

Heidi Rogers, an associate professor and registered nurse at the University of New Mexico, will present an overview on planetary health. She previously served on the Los Alamos Resiliency, Energy, and Sustainability Task Force, as well as the Environmental Sustainability Board.

Attachments

A - Planetary Health Presentation by Heidi Rogers

PLANETARY HEALTH

AN INTRODUCTION

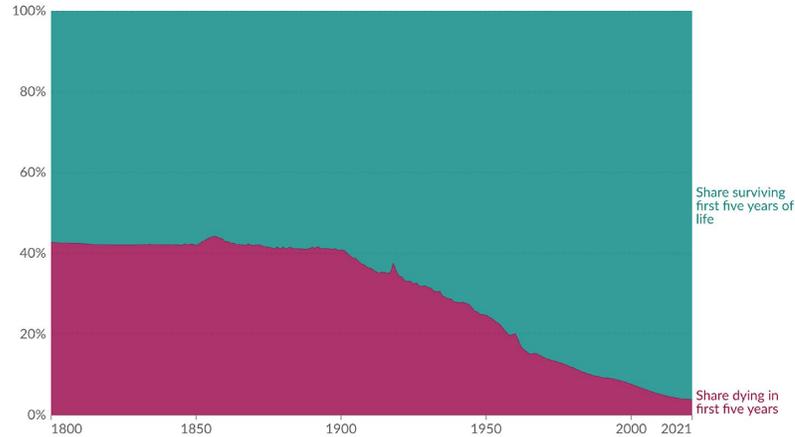


Heidi Honegger Rogers

Global child mortality

The estimated share of newborns¹ who die or survive the first five years of life.

Our World
in Data



Data source: United Nations Inter-agency Group for Child Mortality Estimation (2023); Gapminder based on UN IGME & UN WPP (2020)

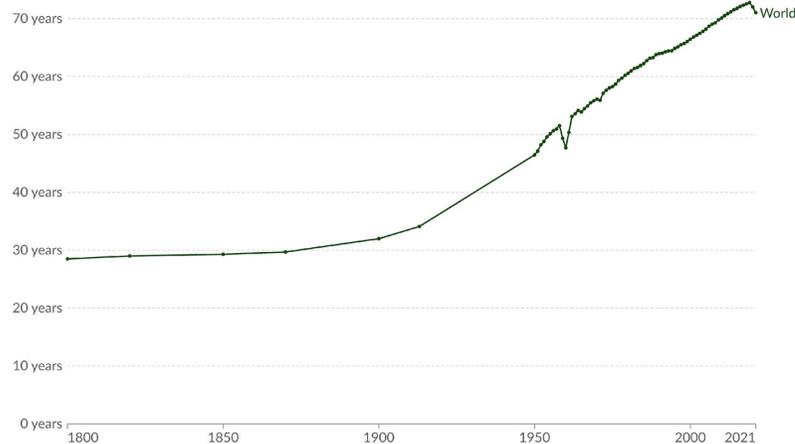
OurWorldInData.org/child-mortality/ | CC BY

1. **Newborn:** A newborn is defined as a baby born alive, and usually refers to neonates – under 28 days old. Read more in our article: [How do statistical organizations define age periods for children?](#)

Life expectancy

The period life expectancy¹ at birth, in a given year.

Our World
in Data



Data source: UN WPP (2022); HMD (2023); Zijdeman et al. (2015); Riley (2005)

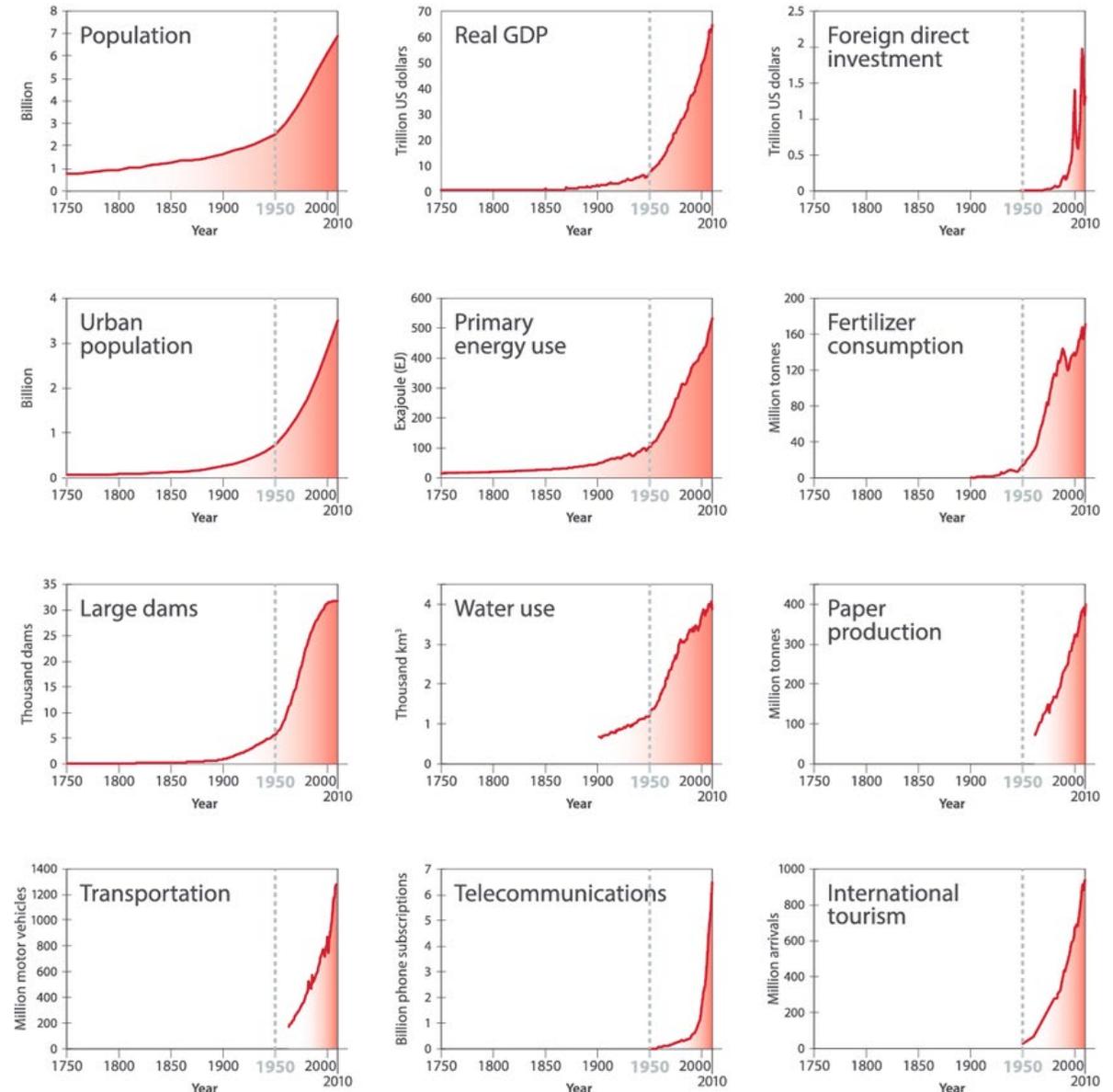
OurWorldInData.org/life-expectancy/ | CC BY

1. **Period life expectancy:** Period life expectancy is a metric that summarizes death rates across all age groups in one particular year. For a given year, it represents the average lifespan for a hypothetical group of people, if they experienced the same age-specific death rates throughout their whole lives as the age-specific death rates seen in that particular year. Learn more in our article: ["Life expectancy" – What does this actually mean?](#)

Humanity has made tremendous public health gains by traditional measures such as decreasing global child mortality and increasing life expectancy.

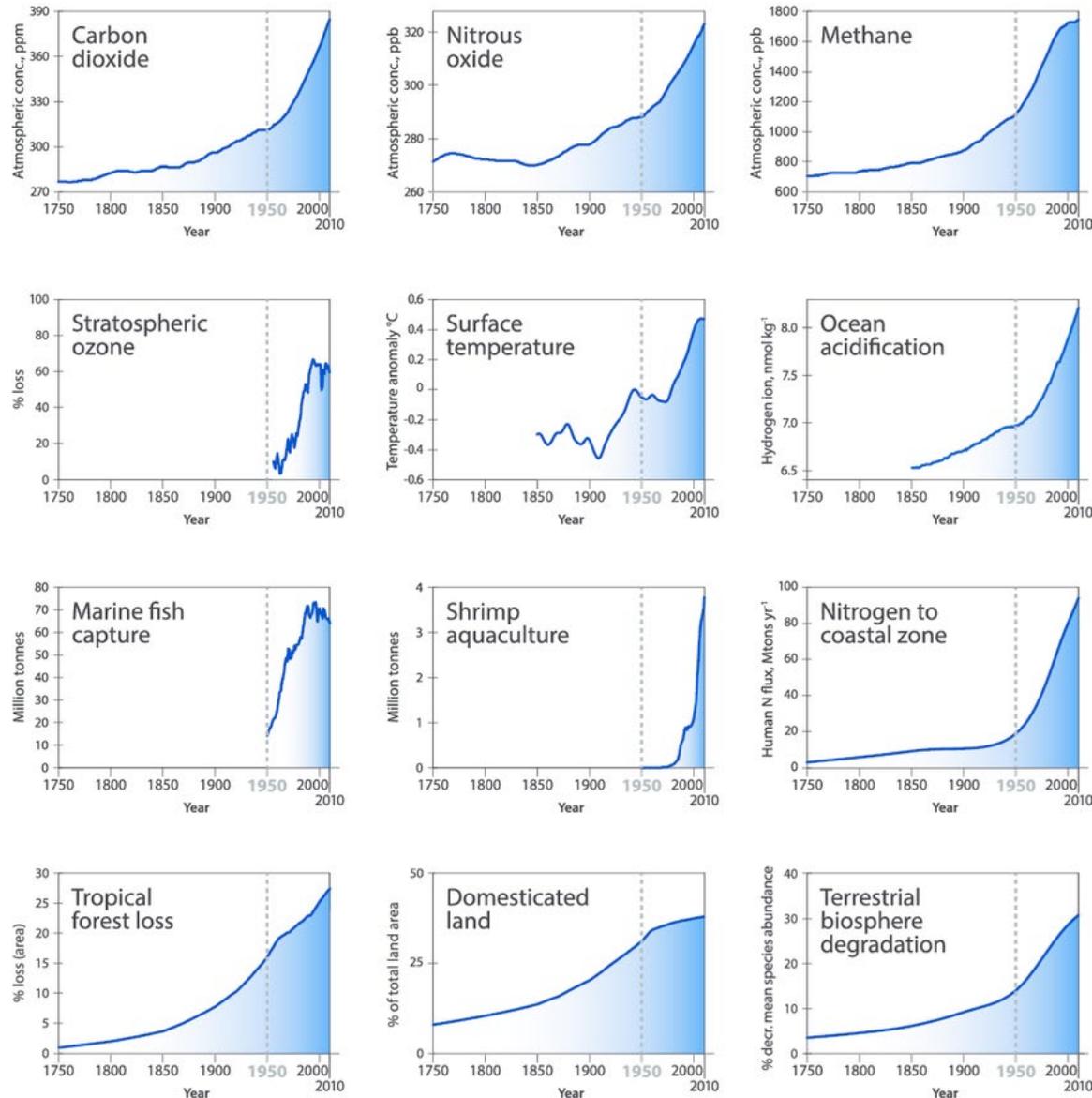
The Great Acceleration: Consumption Patterns Skyrocket after 1950

Socio-economic trends



Steffen, Will, et al. "The trajectory of the Anthropocene: the great acceleration." *The Anthropocene Review* 2.1 (2015): 81-98.

The Great Acceleration: Accelerated Human Impacts on Natural Systems



Yet at the same time, we have disrupted Earth's natural systems.

Ecological Paradox



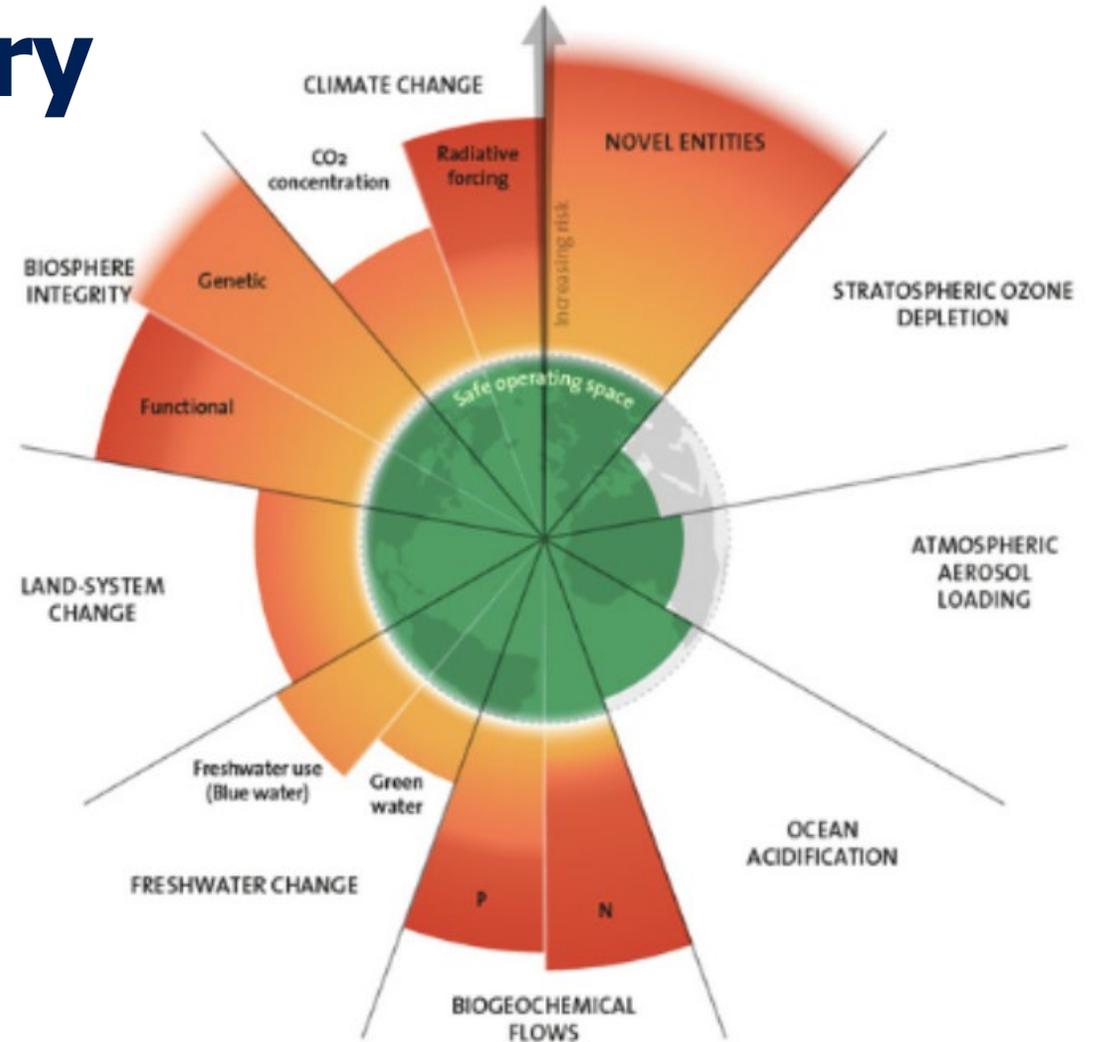
The state of human health and that of our planet's natural systems have been trending in opposite directions.

Myers, 2017

Six of the Nine Planetary Boundaries Exceeded

The planetary boundaries concept presents a set of nine planetary boundaries within which humanity can continue to develop and thrive for generations to come.

1. Climate change
2. Loss of biosphere integrity
3. Land-system change
4. Altered biogeochemical cycles
5. Freshwater change
6. Novel entities



Azote for Stockholm Resilience Centre,
Stockholm University. Based on Richardson et
al. 2023

It is

**climate
change**

AND

It is

**everything
change**



Climate Change



[This Photo](#) by Unknown Author is licensed under [CC BY-SA](#)

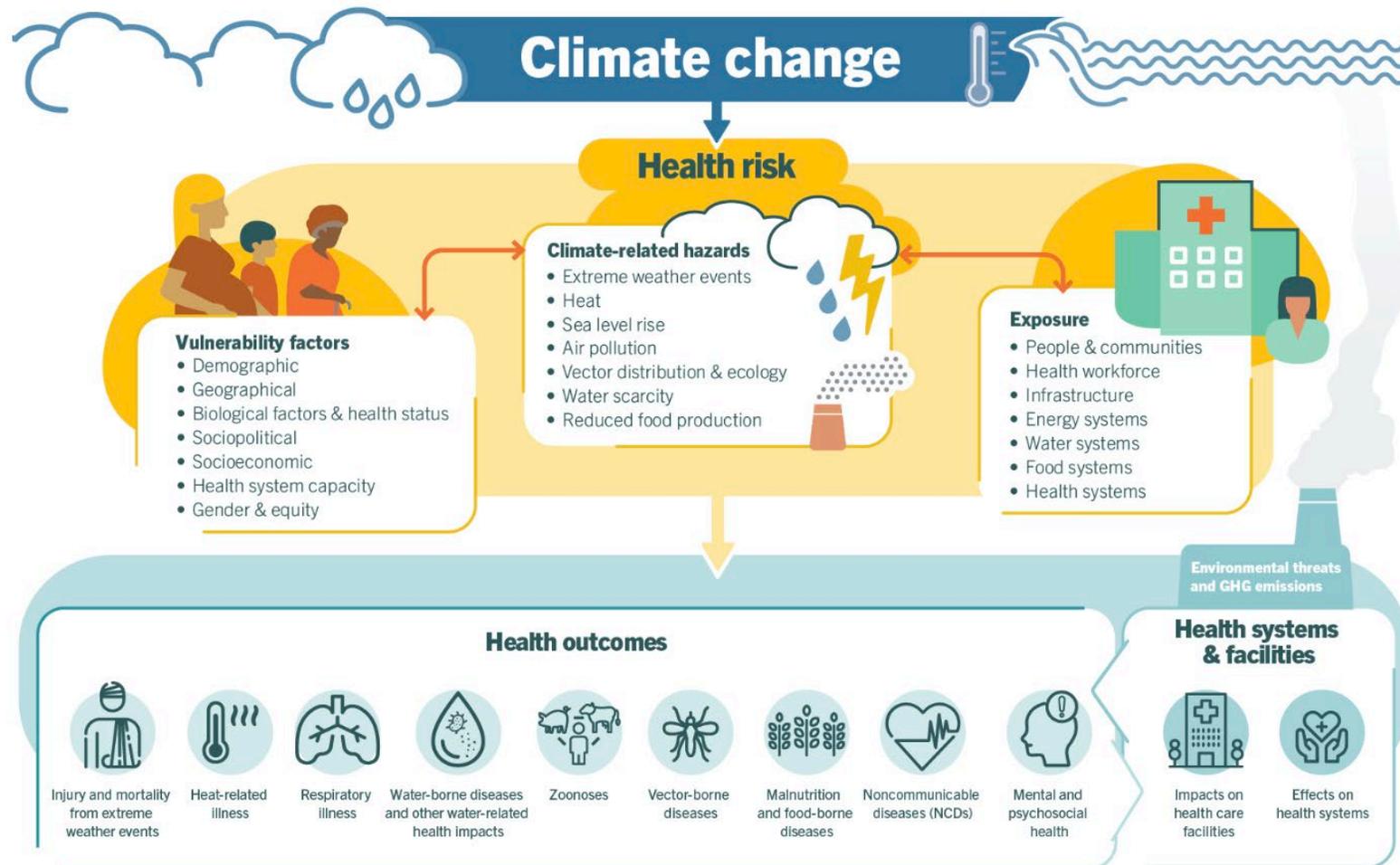


Figure: An overview of climate-sensitive health risks, their exposure pathways and vulnerability factors. Climate change impacts health both directly and indirectly, and is strongly mediated by environmental, social and public health determinants.



Who has contributed most to global CO₂ emissions?

Our World
in Data

Cumulative carbon dioxide (CO₂) emissions over the period from 1751 to 2017. Figures are based on production-based emissions which measure CO₂ produced domestically from fossil fuel combustion and cement, and do not correct for emissions embedded in trade (i.e. consumption-based). Emissions from international travel are not included.

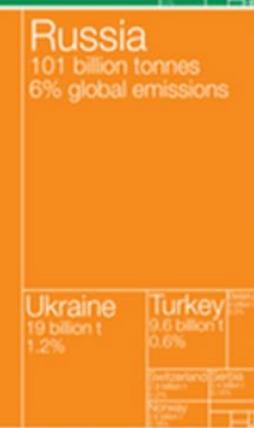
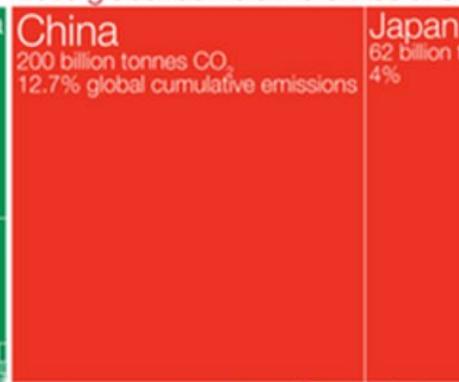
North America

457 billion tonnes CO₂
29% global cumulative emissions



Asia

457 billion tonnes CO₂
29% global cumulative emissions



Europe
514 billion tonnes CO₂
33% global cumulative emissions

Africa
43 billion tonnes CO₂
3% global emissions

South America
40 billion tonnes CO₂
3% global emissions

Oceania
20 billion tonnes CO₂
1.2% global emissions

Figures for the 28 countries in the European Union have been grouped as the 'EU-28' since international targets and negotiations are typically set as a collaborative target between EU countries. Values may not sum to 100% due to rounding.

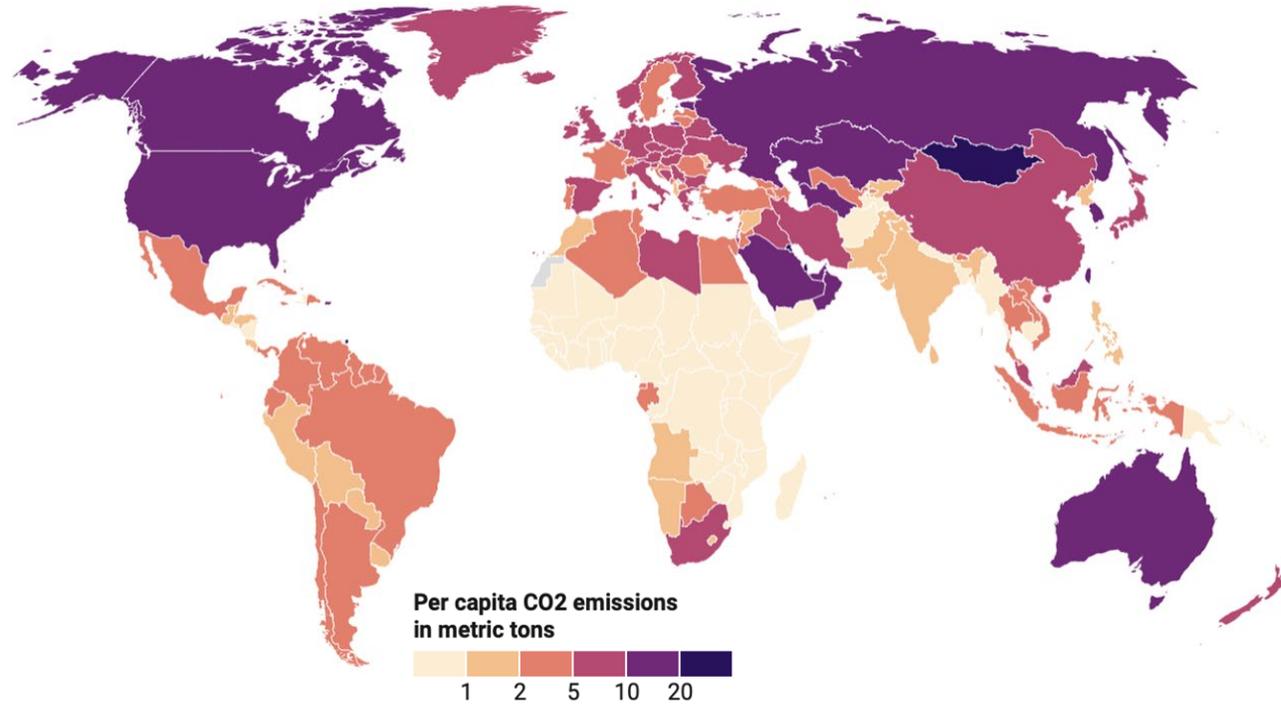
Data source: Calculated by Our World in Data based on data from the Global Carbon Project (GCP) and Carbon Dioxide Analysis Center (CDIAC).

This is a visualization from OurWorldinData.org, where you find data and research on how the world is changing.

Licensed under CC-BY by the author Hannah Ritchie.

Annual carbon dioxide emissions produced per capita

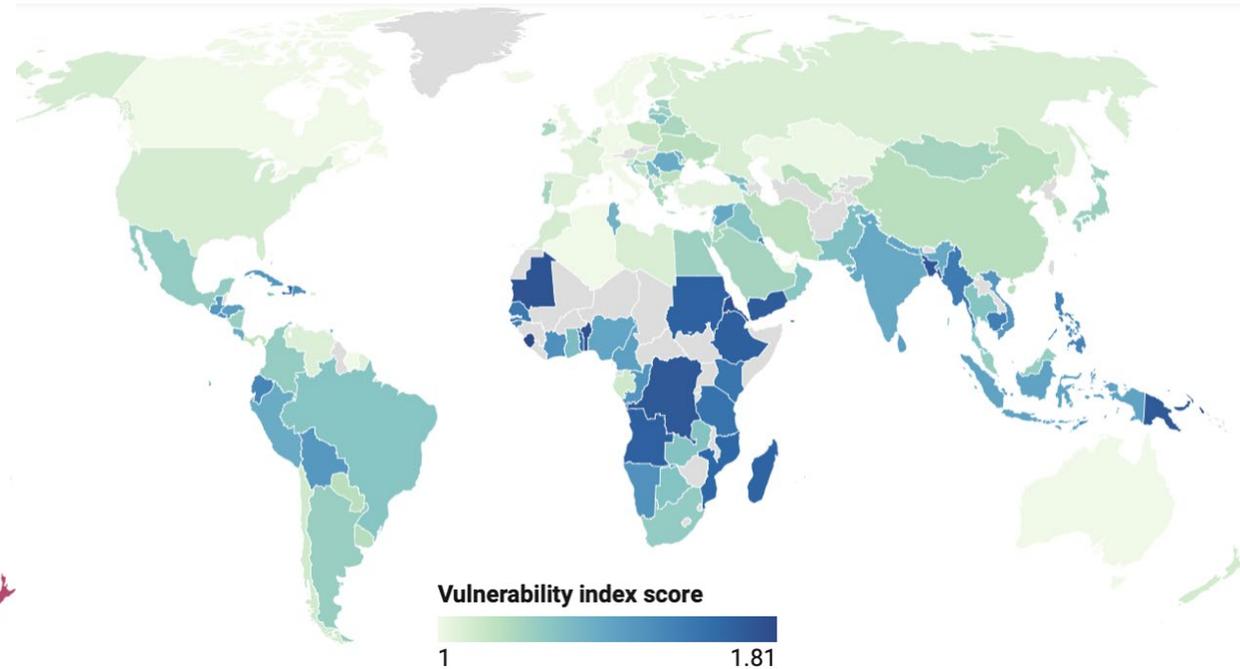
Africa produced about 1.1 metric tons of carbon dioxide emissions per person in 2019, well below the global average of 4.7. The US produced 16.1 metric tons per capita.



Data from 2019, production-based CO2 only, does not account for emissions embedded in traded goods. Map: The Conversation/CC-BY-ND Source: Our World In Data, Global Carbon Project

The countries most vulnerable amid climate change

Scientists assessed countries' vulnerability based on food security, water availability, human health and living conditions, ecosystem services and infrastructure, including energy. The most vulnerable are in sub-Saharan Africa.



Data from 2019, vulnerability rises with higher scores. Data not available for regions in grey. Map: The Conversation/CC-BY-ND Source: Edmonds, Lovell and Lovell, 2020



It is
climate
change
AND
it is
everything
change

These changes in our environment **severely affect our health** and jeopardize decades of public health gains.

Human health impacts include, but are not limited to:

Antimicrobial resistance

Toxin and dioxin exposures

Malnutrition

Respiratory diseases, like asthma and COPD

Heat stroke

Cardiovascular disease

Changing patterns of infectious disease transmission

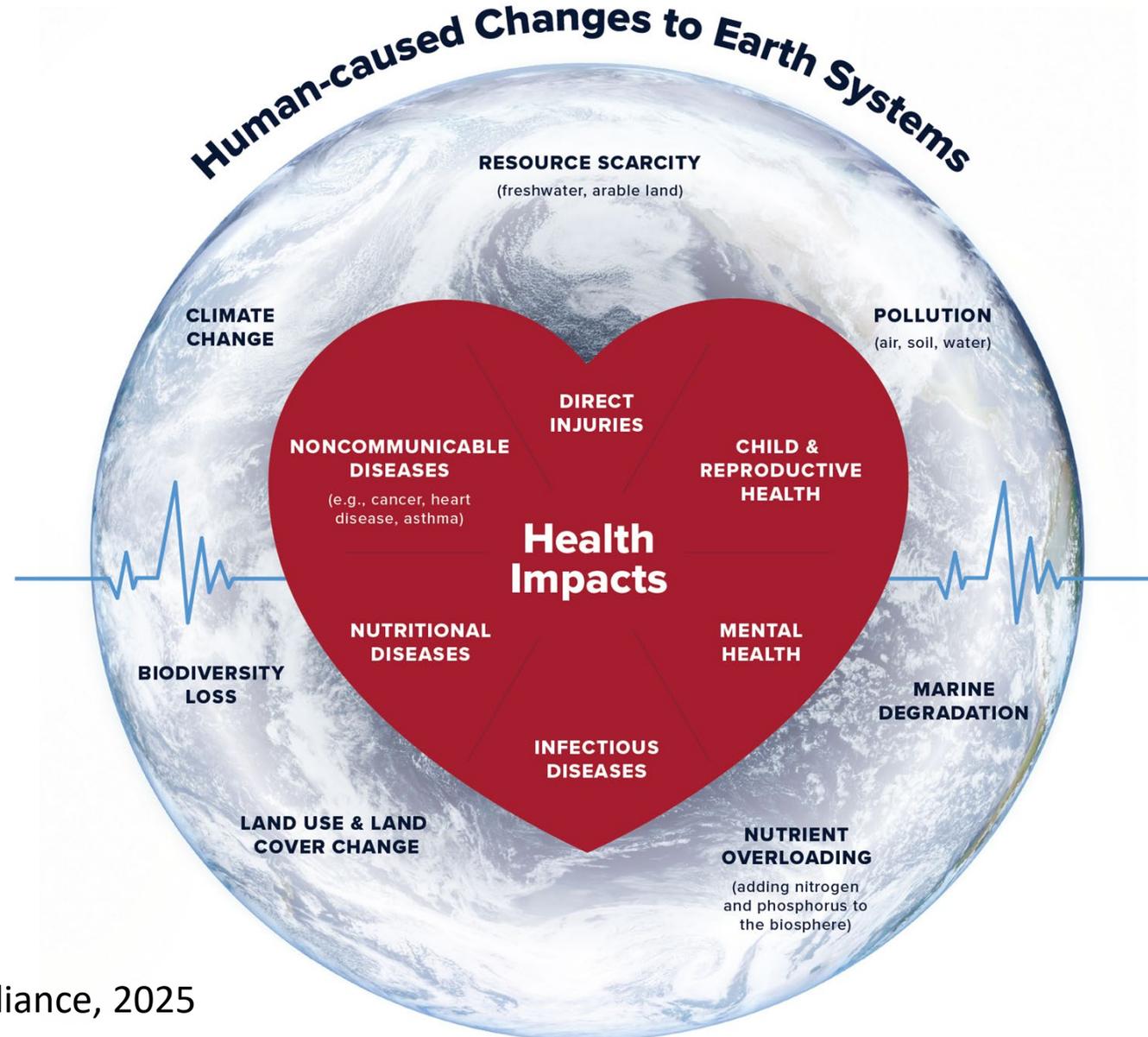
Civil strife and trauma

Forced displacement and migration

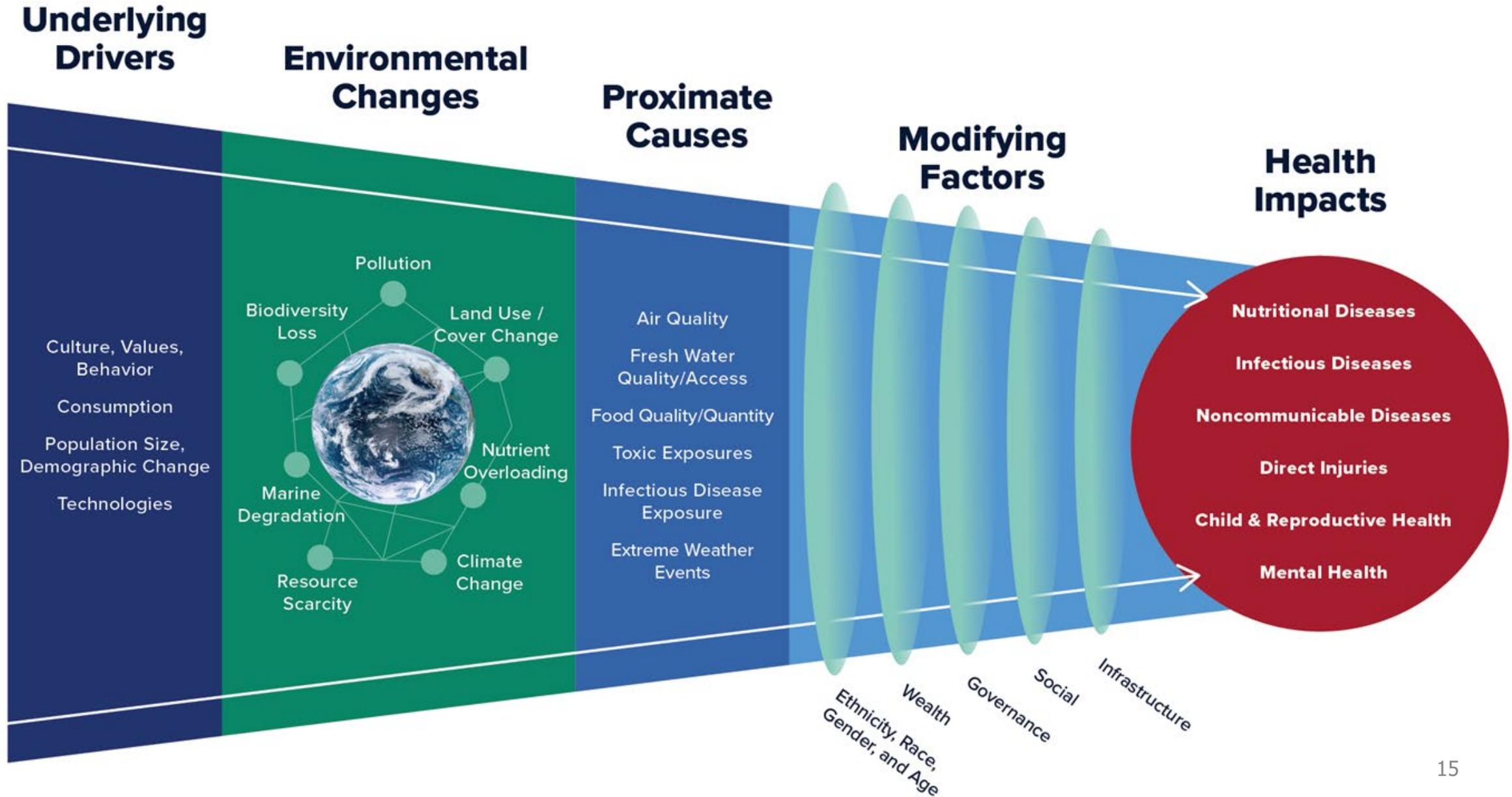
Mental health impacts



Ecological Determinants of Health



Impacts of Anthropogenic Change on Human Health



Ecological Paradox REVISITED



We have been borrowing against the health of future generations to realize economic and development gains in the present.

Rockefeller Foundation
– Lancet Commission
on Planetary Health,
2015

Planetary Health

A solutions-oriented, transdisciplinary field and social movement focused on analyzing and addressing the impacts of human disruptions to Earth's natural systems on human health and all life on Earth.



The
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The Rockefeller Foundation–Lancet Commission on planetary health

Safeguarding human health in the Anthropocene epoch: report of The Rockefeller Foundation–Lancet Commission on planetary health

Sarah Whitmee, Andy Haines, Chris Beyrer, Frederick Boltz, Anthony G Capon, Bráulio Ferreira de Souza Dias, Alex Ezeh, Howard Frumkin, Peng Gong, Peter Head, Richard Horton, Georgina M Mace, Robert Marten, Samuel S Myers, Sania Nishtar, Steven A Osofsky, Subhrendu K Pattanayak, Montira J Pongsiri, Cristina Romanelli, Agnes Soucat, Jeanette Vega, Derek Yach

Executive summary

Far-reaching changes to the structure and function of the Earth's natural systems represent a growing threat to human health. And yet, global health has mainly improved as these changes have gathered pace. What is the explanation? As a Commission, we are deeply concerned that the explanation is straightforward and sobering: we have been mortgaging the health of future generations to realise economic and development gains in the present. By unsustainably exploiting nature's resources, human civilisation has flourished but now risks substantial health effects from the degradation of nature's life support systems in the future. Health effects from changes to the environment including climatic change, ocean acidification, land degradation, water scarcity, over-exploitation of fisheries, and biodiversity loss pose serious challenges to the global health gains of the past several decades and are likely to become increasingly dominant during the second half of this century and beyond. These striking trends are driven by highly inequitable, inefficient, and unsustainable patterns of resource consumption and technological development, together with population growth.

We identify three categories of challenges that have to be addressed to maintain and enhance human health in the face of increasingly harmful environmental trends. Firstly, conceptual and empathy failures (imagination challenges), such as an over-reliance on gross domestic product as a measure of human progress, the failure to account for

research and funding, together with an unwillingness or inability to deal with uncertainty within decision making frameworks. Thirdly, implementation failures (governance challenges), such as how governments and institutions delay recognition and responses to threats, especially when faced with uncertainties, pooled common resources, and time lags between action and effect.

Although better evidence is needed to underpin appropriate policies than is available at present, this should not be used as an excuse for inaction. Substantial potential exists to link action to reduce environmental damage with improved health outcomes for nations at all levels of economic development. This Commission identifies opportunities for action by six key constituencies: health professionals, research funders and the academic community, the UN and Bretton Woods bodies, governments, investors and corporate reporting bodies, and civil society organisations.

Depreciation of natural capital and nature's subsidy should be accounted for so that economy and nature are not falsely separated. Policies should balance social progress, environmental sustainability, and the economy. To support a world population of 9–10 billion people or more, resilient food and agricultural systems are needed to address both undernutrition and overnutrition, reduce waste, diversify diets, and minimise environmental damage. Meeting the need for modern family planning can improve health in the short term—eg, from reduced maternal mortality and reduced pressures on the

Lancet 2015; 386: 1973–2028

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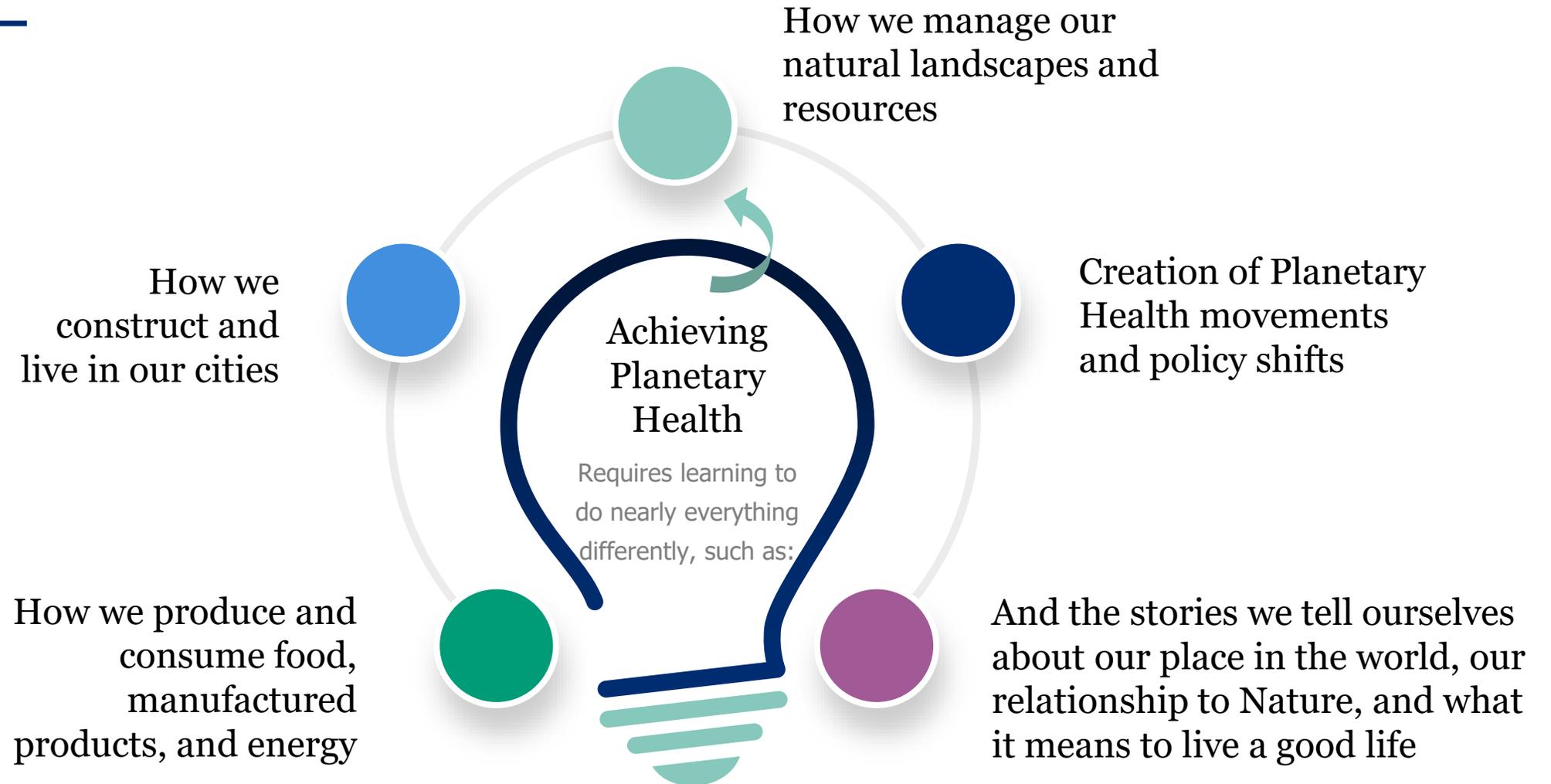
This online publication has been corrected. The corrected version first appeared at [thelancet.com](http://www.thelancet.com) on August 17, 2015

See Comment pages 1921, e36, e37, and e39

For Infographic see <http://www.thelancet.com/infographics/planetary-health>

Centre for Biodiversity and Environment Research, University College London, London, UK (S Whitmee PhD, Prof G M Mace DPhil); London School of Hygiene & Tropical Medicine, London, UK (Prof A Haines FMedSci, R Marten MPH); Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, USA (Prof C Beyrer MD); The Rockefeller Foundation, New York, NY, USA (F Boltz PhD, R Marten); International Institute for Global Health, United Nations University, Federal Territory of Kuala Lumpur, Malaysia (Prof A G Capon PhD);

The Great Transition



The Great Transition: A Rich Landscape of Solutions

- Innovation and Technology (energy, food, built environment, manufacturing, chemistry, etc)
- Policy, Law, International Agreements
- Private Sector (subsidies, incentives, regulations)
- Movement Building/Organizing
- New narratives and Social Justice





- **Hope and Urgency in Collective Action**
- **Building a Positive Vision**
- **Reconnecting with Nature**
- **Shared Values and Ethics**
- **Today**

THE LANCET

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www.thelancet.com

“Achieving planetary health will require a renaissance in how we define our place in the world. A new narrative will reject the one streaming into our homes—that happiness comes from relentlessly acquiring more things—and embrace what we know: that what truly makes us happy is time spent with those we love, connection to place and community, feeling connected to something greater than ourselves, taking care of each other.”

See Lecture page 2860

Planetary Health Framework

- Planetary Health is a theoretical framework to understand the interconnectedness of humans and our environment and to strengthen our resolve to improve human health through activities that restore environmental health.



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São Paulo Declaration on Planetary Health

October 2021

- Published in *The Lancet*, the Declaration includes concrete actions for 19 stakeholder groups that support a more just and regenerative post-pandemic world.
 - Groups include: Cities and Urban Planners, Governments, Funders, Media, Researchers, Youth Representatives
- Developed by the global Planetary Health community, including over 300 people from 70+ countries via a United Nations Development Programme (UNDP) global consultation.



Planetary Health Roadmap and Action Plan

PHAM2024

PLANETARY HEALTH Roadmap and Action Plan



Start Time:
Now



Proposed Actions

Measuring
Planetary
Health



Communicating
Planetary
Health



Building
Holistic
Governance



Balancing Business
and Planetary
Health



Mainstreaming
Planetary
Health



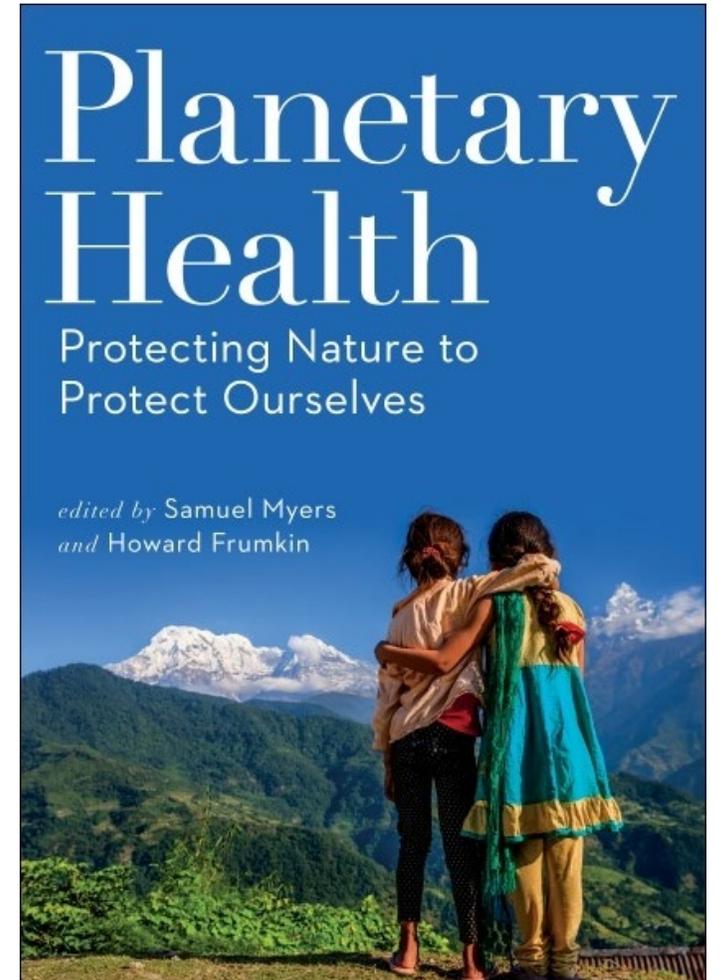
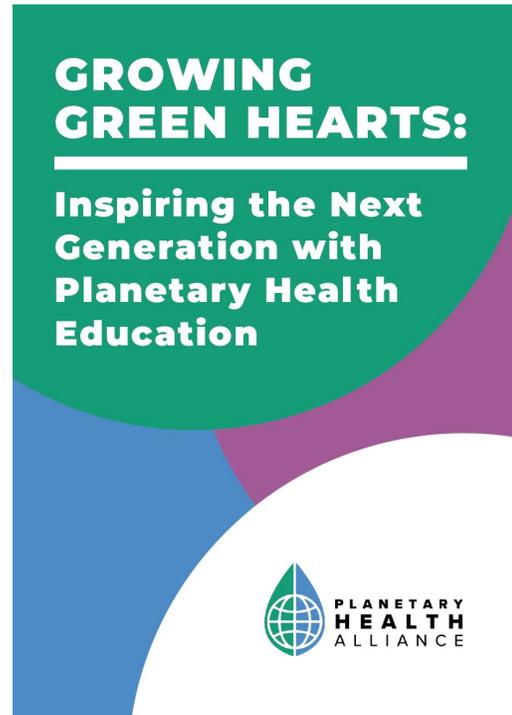
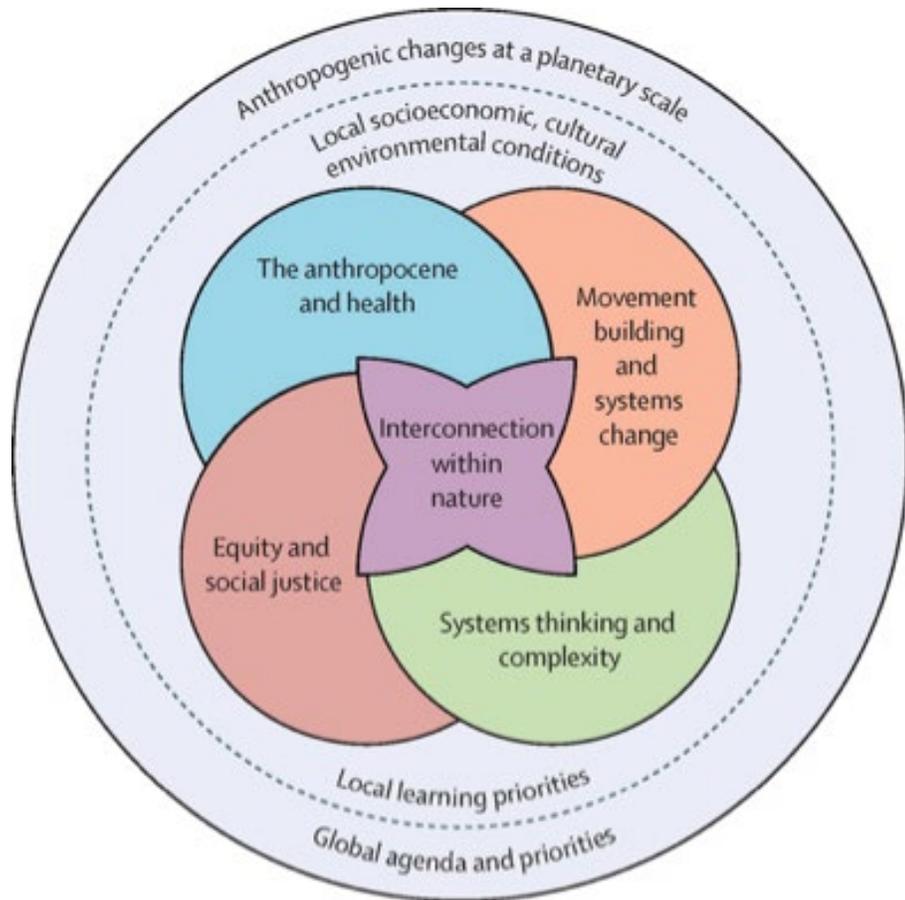
Educating to
Achieve the Great
Transition



Healthier planet
for all into the
future...

Planetary Health Education

A Framework to Guide Planetary Health Education



The Lancet Planetary Health
Volume 5 Issue 5 Pages e253-e255 (May 2021)
DOI: 10.1016/S2542-5196(21)00110-8

About the Planetary Health Alliance



4,000+ Individual Members

480+ Member Organizations

80 Countries

A diverse,
inclusive
community

Committed to
understanding and
addressing the
health impacts of
global
environmental
change

Community
building, research,
education,
mainstreaming,
and action



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- **Youth:** Join our Next Gen Network or PHCA program
- **Join** as an individual or organization
- **Attend** the Planetary Health Annual Meeting: October 7-10, 2025



Community-building



Education



Outreach



Action



County of Los Alamos

Los Alamos, NM 87544
www.losalamosnm.us

Staff Report

July 17, 2025

Agenda No.:

Index (Council Goals):

Presenters:

Legislative File: 20417-25

...Title

Plastic Bag Working Group Update

.Body

During the January 14, 2025, Los Alamos County Council meeting, they requested the ESB to “Evaluate single use plastic bags to include factors such as ability to recycle and other alternatives and cost to County to recycle and engagement to include local businesses and other interested parties.” The Environmental Sustainability Board adopted this initiative in their 2025 Work Plan and since then, the ESB formed a working group, consisting of Chair Shannon Blair and members Hermann Geppert-Kleinrath and Rebecca Paley-Williams. The working group has spent the past couple of months researching and interviewing other municipalities that have adopted a plastic bag ordinance. The working group will provide an update to the ESB.

.Attachments

A - Plastic Bag Working Group Update

B - History of Plastic Bag Initiatives in Los Alamos County

Plastic Bag Fee Working Group Update 7/17/2025



Motion from County Council on 1/14/2025

The objectives for this effort are to:

Evaluate single use plastic bags to include factors such as ability to recycle and other alternatives and cost to County to recycle and engagement to include local businesses and other interested parties.

Previous Efforts in Los Alamos as noted by Council

- The effort to address plastic bag use in Los Alamos began in 2015 with a citizen petition to ban single-use plastic bags and impose a \$0.10 fee on paper bags. After public meetings and surveys, where 80% opposed a ban and 72% opposed reducing distribution, the Environmental Sustainability Board (ESB) recommended education over regulation.
- In 2019, another petition sought to ban plastic bags, straws, and Styrofoam, prompting the County Council to form a subcommittee.
- By FY2021 budget process, Council actions focused on education campaigns, funding washable utensils for schools, and a feasibility study on food composting, but no plastic bag ban was implemented.

Plastic Bags and Pollution

- Plastic debris constitutes the majority of marine litter worldwide.
- It takes 1,000 years for a plastic bag to degrade in the landfill. Rather than breaking down, they photo-degrade, becoming microplastics that absorb toxins and continue to pollute the environment.
- Recent studies have shown that plastic bag policies lead to a 25 to 47% decrease in plastic bags as a share of tidal items collected by litter cleanups relative to areas without policies.
- 30% - 37% reduction in entangled animals

Plastic Bags and Recycling

- New Mexicans use at least 330 million single-use plastic bags a year.
- Single-use plastic shopping bags have notoriously low recycling rates (1% - 3%) and are easily caught and transported by winds to waterways.
- Plastic bags are used to an average of 12 minutes, but a single-use plastic bag has a life expectancy of up to 1,000 years.
- Recycle plastic bags
 - Typically have to take to a drop-off location and not appropriate for curbside recycling (note: you can find locations [here](#))

Environmental Impacts of Plastic Bags

- Plastic bags - environmental impacts
 - 1.6kg of CO₂ per single use plastic bag (equivalent to driving a car 4 miles)
 - Strong plastic bag 22 kg CO₂ (14 reuses needed to offset production)
 - Paper bag 5 kg CO₂ (including the impact of cutting down the tree)
 - Organic cotton bag 270 kg CO₂ (needs to be used 170 times to offset carbon footprint)
 - Cotton non-organic 80kg (50 reuses needed)
 - Plastic bags take ~1000 years to decompose
 - Paper bag takes months to decompose
 - Cotton bags take several months to decompose
 - Several single use plastic bags are needed for what fits in one strong plastic bag

New Mexico Plastic Bag Ordinances Compared (1/3)

Jurisdiction	Date	Mandatory Bag Fee	Exemptions (Bag Type)	Exemptions (Bag Fee)
Las Cruces	8/16/2021	\$0.10 Environmental Services Fee	<p>(e) The following bags are excluded from this ordinance:</p> <ol style="list-style-type: none"> 1. Laundry dry cleaning bags, door-hanger bags, newspaper bags, or packages of multiple bags intended for use as garbage, pet waste, or yard waste; 2. Bags provided by pharmacists or veterinarians to contain prescription drugs or other medical necessities; 3. Bags used by restaurants to take away prepared food; and 4. Bags used by a consumer inside a retail establishment to: <ol style="list-style-type: none"> a. Contain bulk items, such as produce, nuts, grains, candy, or small hardware b. Contain or wrap frozen foods, meat, or fish c. Contain or wrap flowers, potted plants or other items to prevent moisture damage to other purchases, or d. Contain unwrapped prepared foods or bakery goods; and 5. Bags used by a non-profit corporation or other hunger relief charity to distribute food, grocery products, clothing, or other household items. (“Common Exemptions”) 	Retail establishments shall not collect the environmental service fee from any person with a voucher or electronic benefits card issued under Women, Infants and Children Program (WIC), the Emergency Food Assistance Program (TEFAP), Temporary Assistance to Needy Families Program (TANF), or the federal Supplemental Nutrition Assistance Program (SNAP), also known as Basic Food Stamps) (“ Voucher and Electronic Benefits Exemptions ”)
Santa Fe City	4/29/2015	\$0.10 Environmental Service Fee. 10% of fee to be retained by the retail establishment for administrative costs.	<p>The fee does not apply to:</p> <ol style="list-style-type: none"> 1. Paper bags smaller than a manufacturer’s stated capacity of one-eighth barrel (882 cubic inches); 2. Common Exemptions 	Voucher and Electronic Benefits Exemptions

New Mexico Plastic Bag Ordinances Compared (2/3)

Jurisdiction	Date	Mandatory Bag Fee	Exemptions (Bag Type)	Exemptions (Bag Fee)
Bernalillo County	6/25/2019	Retail establishments may charge a fee of up to \$0.05 per approved bag or container issued to customers.	<p>Single-use carryout bags do not include bags without handles provided to the customer:</p> <p>(1) To transport produce, bulk food, candy, or meat from a product, bulk food, or meat department within a store to the point of sale;</p> <p>(2) To hold prescription medication dispensed from a pharmacy;</p> <p>(3) To segregate food or merchandise that could damage or contaminate other food or merchandise when placed together in a bag; and</p> <p>(4) To transport clothing items from a dry cleaning establishment.</p>	None
Taos	3/10/2020	\$0.10 Environmental Service Fee. 10% of fee to be retained by the retail establishment for administrative costs.	<p>A. Laundry dry cleaning bags, door-hanger bags, newspaper bags, or packages of multiple bags intended for use as garbage, pet waste, yard waste, or home food storage;</p> <p>B. Bags used by a consumer inside a retail establishment to:</p> <ol style="list-style-type: none"> 1. Contain bulk items, such as produce, nuts, grains, candy, items; 2. Required by health regulations to contain or wrap frozen foods, meat, or fish, whether or not prepackaged; 3. Contain or wrap flowers, potted plants or other items to prevent moisture damage to other purchases; or 4. Contain unwrapped prepared foods 	Voucher and Electronic Benefits Exemptions

New Mexico Plastic Bag Ordinances Compared (2/3)

Jurisdiction	Date	Mandatory Bag Fee	Exemptions (Bag Type)	Exemptions (Bag Fee)
Silver City	7/8/2014	No fee	<ul style="list-style-type: none"> i. Paper bags provided by pharmacies for the purpose of containing medications or other prescriptions; ii. Paper bags provided for the containment of carryout beverages or liquor sales; iii. Garment or laundry bags from any material; iv. Plastic bags provided to effect convenience and food safety by preventing contamination from any bulk, cooked, chilled, frozen or raw food. v. Paper bags customarily provided by a retail establishment as its primary bag as of the effective date of this section. 	None
Carlsbad	8/24/2024	Any fees imposed for alternatives to single-use plastic carryout bags may be set by the retail establishment, restaurant, or mobile food establishment; however, should a retail establishment, restaurant or mobile food establishment choose to implement a fee for recycled paper bag usage, <u>that fee may not exceed ten (.10) cents each.</u>	<p>The term single-use plastic carryout bag does not include:</p> <ul style="list-style-type: none"> (i) Produce bags or product bags; or (ii) Bags used exclusively to carry prescription drugs when dispensed from a pharmacy; or (iii) Bags used exclusively to hold cleaned laundry at a dry cleaning establishment or deliver a newspaper in bad weather; or (iv) Bags utilized at ice machines <p>Produce bag or Product bag means a bag without handles used exclusively to:</p> <ul style="list-style-type: none"> (i) Carry produce, meat, or bulk food from the produce, meat, or bulk food department of a retail establishment to the point of sale; or (ii) Contain or wrap flowers or potted plants; or (iii) Segregate food or merchandise that could damage or contaminate other food or merchandise when placed together in a bag. 	None

New Mexico Proposed Statewide Ban

- While a statewide ban on plastic bags has not yet been enacted in NM, efforts have been made to pass legislation.
- House Bill 392, the Single-Use Plastic Bag Act, proposed a statewide ban on plastic bags and a \$0.10 fee per paper bag, with \$0.03 going to the store and the remainder going to the municipality or county for litter reduction and outreach.
- The fiscal impact report estimated a statewide plastic bag ban could save \$3.8 million per year for recycling processors due to the damage that plastic bags have on recycling materials recovery facilities.

Lessons Learned from Las Cruces and Santa Fe

- Spoke with sustainability counterparts from the City of Las Cruces, the City of Santa Fe, and Santa Fe County
- Lessons Learned
 - Ensure fee/ordinance is legally enforceable
 - Recommend considering enforceable fine for businesses
 - Ensure revenue from the fee can be used efficiently
 - Recommend having a clear but broadly defined use for the revenue
 - Initial start-up of collection as the potential to be a lot of work
 - Difficult to contact managers of businesses (particularly big box stores)
 - Ensure continued education of ordinance for residents

Smith's White Rock Bag Fee Attempt

- The White Rock Smith's uses 5 cases of plastic bags a week
 - 500 bags per case → 2500 bags/week * 52 weeks → **130,000 bags per year**
- Plastic Bag Fee in White Rock
 - The goal was to have customers use reusable bags, but it didn't seem to catch on
 - Customers complained that the White Rock location was charging for bags and Los Alamos was not
 - The bag fee was dropped without any follow on
- We can safely assume Los Alamos Smith's uses more than 130,000 bags/year → **over 260,000 bags per year for the county**

Next Steps?

- Community Engagement
 - Opportunities for community feedback and support
 - Survey for residents
 - Survey for business
 - Include businesses that already do not use plastic bags (Natural Grocers and The Coop)
 - General outreach and education
- Possible recommendation from ESB?

History of Plastic Bag Ban

Overview

The effort to address plastic bag use in Los Alamos began in 2015 with a citizen petition to ban single-use plastic bags and impose a \$0.10 fee on paper bags. After public meetings and surveys, where 80% opposed a ban and 72% opposed reducing distribution, the Environmental Sustainability Board (ESB) recommended education over regulation. In 2019, another petition sought to ban plastic bags, straws, and Styrofoam, prompting the County Council to form a subcommittee. By FY2021 budget process, Council actions focused on education campaigns, funding washable utensils for schools, and a feasibility study on food composting, but no plastic bag ban was implemented.

Chronological History

March 31, 2015 | Citizen Petition

Mark Jones submitted a petition requesting that Council pass an ordinance prohibiting retail establishments from distributing single-use plastic carryout bags to their customers and mandating a \$.10 fee on paper bags to be collected and retained by the merchant.

April 14, 2015 | County Council Meeting

Council directs ESB to conduct two public meetings regarding an ordinance to ban or otherwise reduce the distribution of single use bags in Los Alamos and then offer Council options or a proposed ordinance.

July 15, 2015 | Environmental Sustainability Board Meeting

After hosting two public meetings and utilizing Open Forum survey to gather public comment, 80.1% of participants were opposed to the ordinance to ban the plastic bag and 72.2% of participants were opposed to reduce the distribution of single use bags, the ESB recommends County Council create an education campaign to reduce the use of single use plastic bags.

August 14, 2015 | County Council Meeting

Council moved to acknowledge the excellent work of the Environmental Sustainability Board (E.S.B.) in gathering public information regarding plastic bags, further, that Council acknowledge the education efforts of merchants regarding recycling, and acknowledge, and encourage the continuing education efforts of the County Solid Waste Department and finally, take no further action.

August 16, 2018 | ESB Meeting

ESB Member James Robinson presented “Instituting a Plastic Bag Fee in Los Alamos County” No action was taken.

July 9, 2019 | County Council

Resident Anne Le Page presented a petition to Council and asked them to implement a ban on the use and distribution of plastic bags, plastic straws and Styrofoam containers. Councilors Katrina Schmidt (Martin), James Robinson and Pete Sheehey volunteered to form the council subcommittee that would pursue this issue.

November 21, 2019 | ESB Meeting

Councilor Sheehey provided an update to the Environmental Sustainability Board regarding the petition.

July 7, 2020 | County Council Meeting

Council issues the following statement: We thank the petitioners, particularly the high school Eco Club, for bringing our attention to this issue. The Council, through our FY2021 budget process has taken the following actions:

1) The Environmental Sustainability Board, with help from County staff, is expanding their public education campaign on recycling and minimizing food waste and unnecessary use of plastic bags, containers, and straws. This will include engaging with local retailers and restaurants to help them minimize waste of food and plastic materials.

2) The County approved funding for washable utensils and trays for use at Los Alamos Public Schools.

3) The County approved funding for a feasibility study of food composting that includes evaluating available technologies, costs and benefits. The County is also offering education and equipment to the public for backyard composting.

In addition, it is proposed that Council approves the attached Proclamation (Attachment B).



County of Los Alamos

Los Alamos, NM 87544
www.losalamosnm.us

Staff Report

July 17, 2025

Agenda No.:**Index (Council Goals):**

Presenters: Angelica Gurule

Legislative File: 20419-25

Title

Sustainability Manager Updates

Body

The ESB receives routine updates from the Sustainability Manager. Angelica will share a high-level overview of her Quarterly Sustainability Update to Los Alamos County (Attachment A) and the Residential Sustainability Update (Attachment B).

1. The July Sustainability Newsletter focused on electric vehicles and included a special editorial from ESB member Sue Barns as well as a highlight on the County's new electric golf cart fleet. Subscriber numbers grew from 76 to 85.
2. Electric Vehicle Charging Infrastructure
 - a. The County is working on deployment of six Level 2 - EV Chargers at Municipal Building to serve County fleet and the community.
 - i. The ChargePoint amendment was approved by Board of Public Utilities on April 2 and County Council on April 8.
 - ii. The County Council approved the construction task order on July 8, 2025. Construction will begin by August 2025.
 - b. Los Alamos County applied for the NMDOT DC Fast Charging Grant and has received unofficial notification of award. The project will install two DC Fast Chargers at Mesa Public Library, with each charging port providing a minimum of 150 kW.
3. Fleet Conversion and Community-Wide EV Charging Plan
 - a. The County had the kick-off meeting for the Fleet Conversion and Community-wide EV Charging Plan.
 - b. County Council received an overview on March 25th and BPU on April 2nd.
 - c. Stantec met with Public Works and Community Services Department on May 12 to understand vehicle utilization.
 - d. Community Visioning Meeting was held May 12 in Council Chambers and virtually.
 - e. The survey opened May 28, 2025 and will close July 31, 2025.
 - f. Stantec conducted site visits on July 10th and 11th on County property to understand feasibility, identifying potential EV charging locations and reviewing

electric capacity.

g. The draft plan will be presented to ESB, BPU and Council in October 2025.

4. Education and Outreach

- a. Finalizing scope of work to provide climate action marketing and engagement services for the community. The Request for Proposals was advertised on April 29th.
- b. A preproposal meeting was held on May 7th.
- c. The County received 11 proposals; the evaluation committee is in the process of reviewing proposals.

5. Energy Audits

- a. Staff will begin developing scope of work for energy audit services. This is the time for the working group members to provide assistance. If you're still interested in serving on this working group, please let me know.

6. Municipal food composting program is on hold, the County is currently working through logistics.

7. Events - Volunteers Needed

- a. Past - Thank you to all volunteers!
 - i. Farmer's Market and Science Festival
- b. Upcoming
 - i. Farmer's Market - August 14th from 8:30am to 12:30pm
 - ii. Maintaining and weeding the White Rock Demo Garden

Attachments

A - Sustainability Manager Update to County Council July 8, 2025

B - Residential Sustainability Report - June 2025

SUSTAINABILITY UPDATE

Los Alamos County Council
Angelica Gurule | July 8, 2025

Meeting Goals



Provide an update on the FY25 Approved Budget Options



Provide an update on the Climate Action Plan Implementation



Provide a general updates on Sustainability Initiatives

FY25 Budget Options

FY25 Budget Options

Completed:

- Hired Miguel Jimenez as Senior Project Manager to focus on implementing sustainability initiatives

In Progress:

- Climate Marketing and Engagement Services
- Energy Audit Services
- Fleet Conversion Plan and Community-Wide EV Charging Plan
- Expand EV Charging Infrastructure (FY25)
- Develop EV Charging Infrastructure Plan for FY26

Climate Marketing and Engagement Services

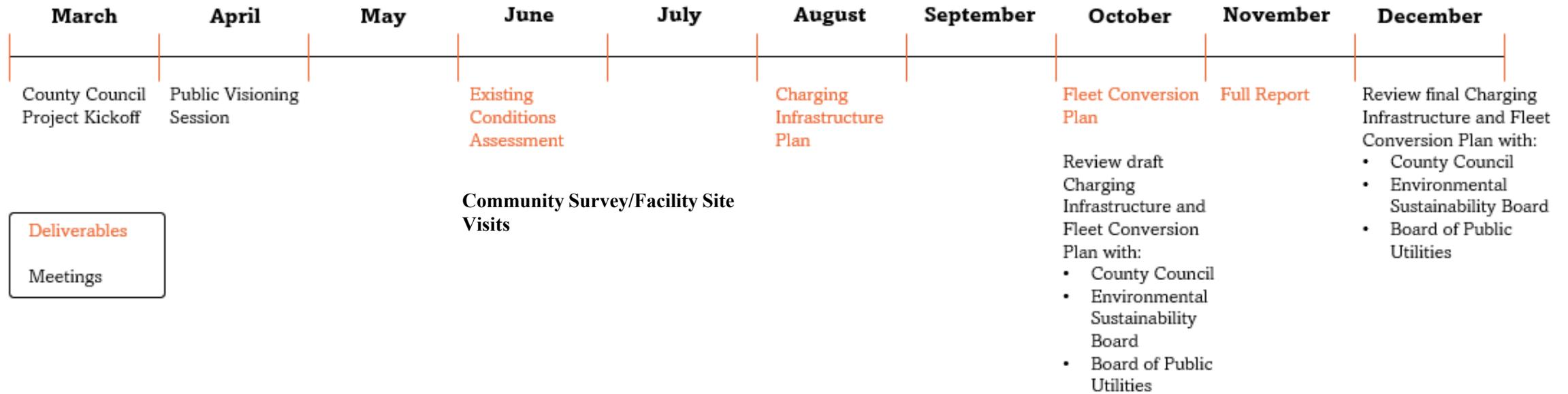
Project Purpose	1) Provide educational, marketing, and outreach services focused on greenhouse gas (GHG) reduction.
Project value	\$80,000
Current efforts	Los Alamos County issued the Request for Proposals on April 29 and received a total of 11 submissions. The evaluation committee is currently reviewing the proposals.
Project schedule	A final agreement is expected to be presented to County Council by August 2025.

Energy Audit Services

Project Purpose	1) Provide energy audit services for 50 -100 home 2) Energy audits supports greenhouse gas (GHG) reduction by equipping homeowners with information on improving insulation and energy efficiency in their homes
Project value	\$100,000
Current efforts	Staff have started exploring potential paths forward and identifying necessary criteria, including: a) Hiring student interns who would receive training to perform energy audits; or b) Developing a Request for Proposals (RFP) to solicit qualified professional energy auditors.
Project schedule	Staff will finalize scope of work by August 2025, begin solicitation process by Sept. 2025 and select and authorize selected vendor by December 2025.

Fleet Conversion Plan and Community-Wide EV Charging Plan

Project Timeline



Expand EV Charging Infrastructure FY25



Future Considerations

1) **Construction costs have increased significantly.** When this effort began, the project budget of \$550K was estimated to support installation of 13 chargers. However, due to rising costs, the project cost to install 6 – Level 2 chargers at Municipal Building was \$730K.

2) **Grant eligibility limitations focused on Direct Current Fast Charging equipment.** Some grant opportunities are restricted to Commercial Grade Direct Current (DC) fast charging equipment (EVSE) with a minimum output of 150-kilowatt (kW) per charge port.

For ex. The County applied for 2 – DCFC to be installed at Mesa Public Library. The equipment costs alone were ~\$450K and construction and electrical equipment estimates are ~\$1M. The County only requested funding for charging equipment and will be responsible for covering all remaining project costs.

3) **Future planning should balance fleet and community needs.** As EV infrastructure expands, it will be important to support both County fleet operations and provide accessible charging options for residents and visitors.

Climate Action Plan Implementation

Transition pathway for Milwaukee



4,525 TMT

Emission reduction 2050

Amount of CO₂e reduction that can be achieved 2050 according to this pathway.



58%

Reduction contribution 2050

Percent of goal that can be achieved 2050 according to this pathway.

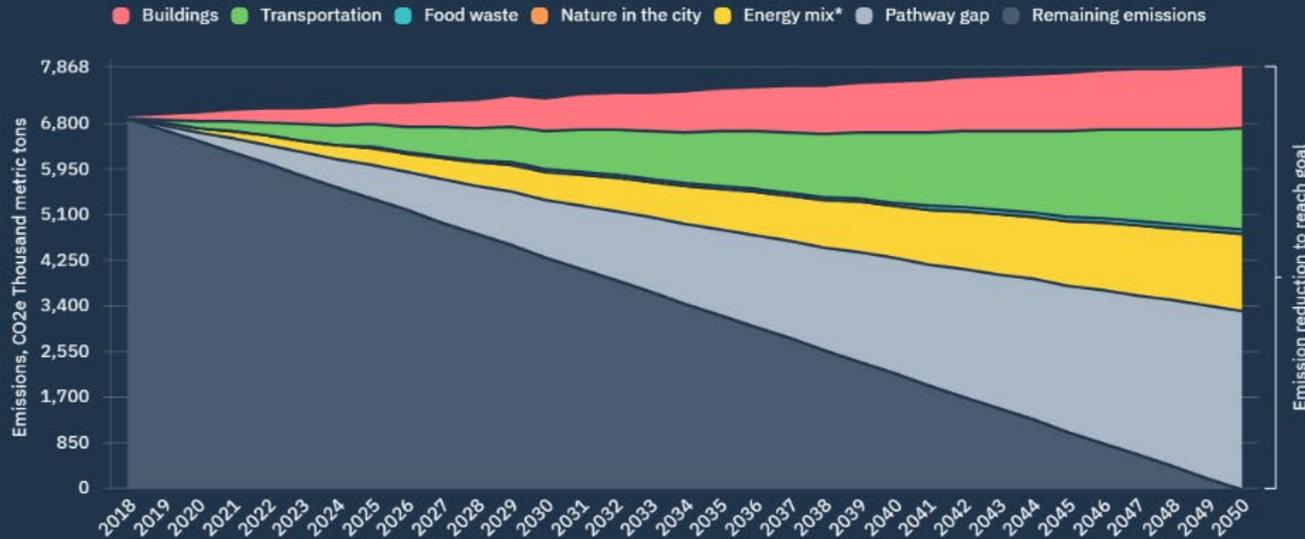


42%

Pathway gap 2050

Percent of climate goal that can not be achieved 2050 according to this pathway.

Emission reduction from our transition pathway



The graph illustrates emission reduction within each area of the pathway. The pathway gap represents the additional emissions reduction needed to reach the goal.

* The Energy mix accounts for a reduction in emissions that contributes 18% toward reaching our goal. In the diagram, part of the emission reduction (-6%) is allocated to other transition areas than the Energy mix, ensuring that reductions are not double-counted.

Explore our pathway

Buildings →

Transportation →

Food waste →

Nature in the city →

Transition to net-zero

Cities play a vital part in reducing global greenhouse emissions and making a more sustainable future. Our efforts will help meet the shared goal of avoiding the most dangerous climate change by limiting global temperature rise this century below 1.5 degrees Celsius. Our community's shared ambition is to work together and make Test one of the world's first climate ready municipalities.



Ongoing CAP Action Items

Action #	Action	Lead
BE2.2	Expand electric energy resiliency	DPU – Philo Shelton
MC1.5	Conduct recycling and composting outreach and education	PW – Armando Gabaldon
NS2.1	Promote green stormwater infrastructure and low-impact development	CDD/PW – Eric Ulibarri and new CDD Director
CR1.2	Invest in public climate education campaigns	CMO- Angelica Gurule
CR1.3	Support the local food system	CMO – Angelica Gurule

CAP Year 1 & 2 Implementation Plan

Action #	Action	Lead
BE1.3	Encourage community energy efficiency and electrification retrofits	DPU – Abbey Hayward
BE1.4	Adopt green building standards	CDD – Danyelle Valdez
T1.1	Promote Electric Vehicle Adoption	CMO
T1.2	Develop Electric Vehicle infrastructure plan	CMO/PW – Angelica Gurule and Pete Mondragon
T2.1	Expand mixed-use, transit-oriented development policies	CDD/PW – Danyelle Valdez
T2.6	Develop a Commuter Trip Reduction program	CMO – Angelica Gurule
CR1.1	Conduct a Vulnerability Assessment	CMO/PD – Angelica Gurule and Cody Ulrich
CC2.4	Expand community partnerships	CMO – Angelica Gurule

Sustainability Initiatives...

- Established local and state-wide Sustainability Network
- Developed outreach materials for community events
- ESB has created a Plastic Bag Fee Research Working Group
- The Climate Action Plan action items for year 1-2 have been integrated into the County's Achieve It dashboard to track progress.
 - Staff are currently developing metrics to measure progress
- Developed a Climate Action Plan Implementation Team comprised of County Staff

Community Engagement



Plastic Bag Research

Purpose:

- 1) Evaluate single use plastic bags to include factors such as ability to recycle and other alternatives and cost to County to recycle and engagement to include local businesses and other interested parties.

Current Efforts:

- 1) Environmental Sustainability Board formed a working group consisting of board members Shannon Blair, Rebecca Paley-Williams and Hermann Geppert-Kleinrath.
- 2) The working group has been working for the past few months on this initiative and has met with Santa Fe County, City of Santa Fe, and City of Las Cruces to understand better understand their programs.
- 3) The working group is wrapping up research and will provide an update to ESB at the July 2025 meeting before presenting their final research to Council.

Thank you! Questions?

Contact Information:

Angelica Gurule

Angelica.Gurule@lacnm.us





Residential Sustainability Report

Service Period: June 2025

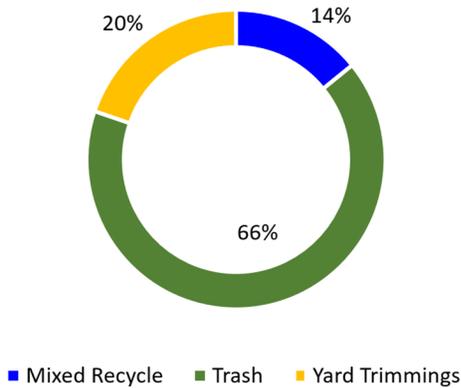


LOS ALAMOS

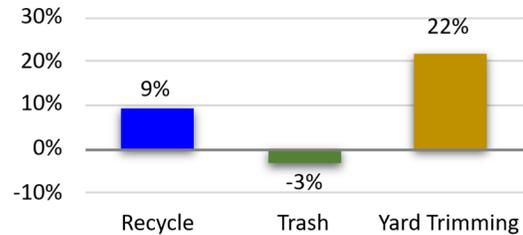
June Diversion Rate: **34%**

The *diversion rate* is the percent of recyclable and compostable material diverted from the landfill.

Monthly Collection Report

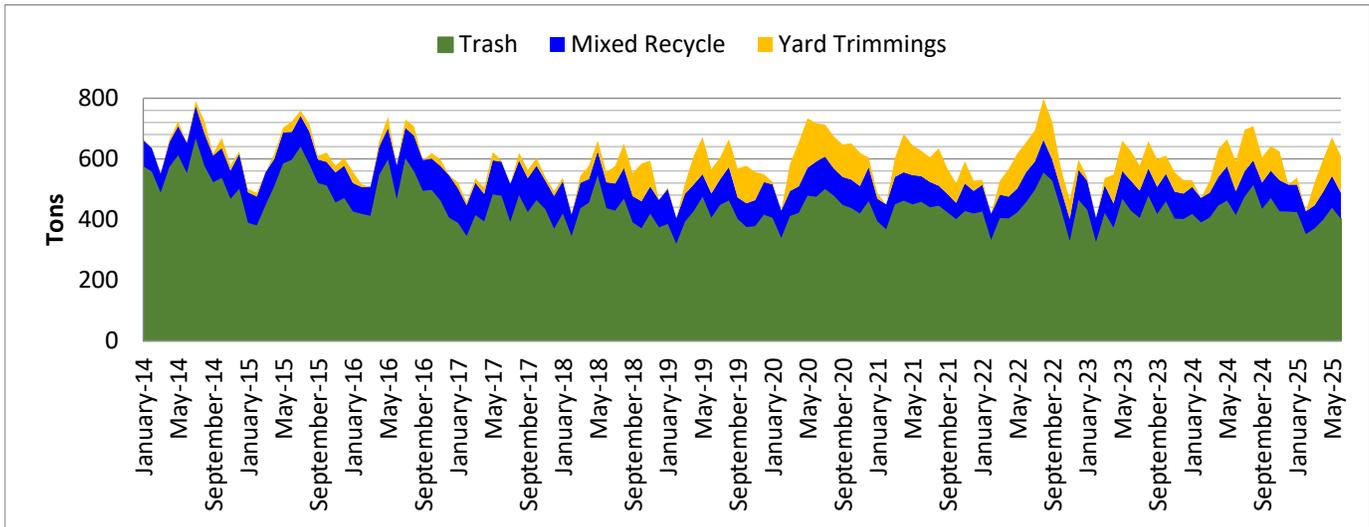


% Change Previous Year



	Jun-24	Jun-25
Yard Trimming	98.57	120.16
Recycle	78.81	86.13
Trash	414.35	401.81

In June by recycling and composting Los Alamos County reduced GHG emissions by ~531 tons*



In 2025 by recycling and composting Los Alamos County reduced GHG emissions by ~2,686 tons*

- **8 trucks of recycle and 12 trucks of yard trimmings** were diverted from the landfill.
- **18 trucks of trash** were transported to the Valencia Landfill costing **\$34,489** in transport and tipping fees.

For more information contact Environmental Services Division at 505.662.8163 or email solidwaste@lacnm.us

*GHG emissions calculated using <https://www.stopwaste.co/calculator>