



**Chihuahuan
Desert
Climate
Collaborative**
POWERED BY THE CITY OF EL PASO

Climate Engagement Series #2

Draft

EPClimate.org

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Purpose of Climate Engagement Series #2

Climate change knows no boundaries, and the City of El Paso has decided to lead a regional approach to developing our area's first-ever Climate Action Plan to empower residents of El Paso and Hudspeth counties.

This initiative actively looks to engage with the community through accessible and inclusive participation, offering five key touchpoints with ten in-person open houses, complemented by digital surveys and online resources for those unable to attend.

Led by the Chihuahuan Desert Climate Collaborative, this effort ensures everyone has the opportunity to contribute their voice and ideas to a comprehensive plan addressing our region's unique challenges and opportunities.

This report outlines the public outreach, community feedback and promotion efforts completed as part of the **second Climate Engagement Series**. Over 300 people participated in the series open houses and completed the Climate Action Plan survey, providing the project team with insights of climate related experiences and challenges faced by the community.

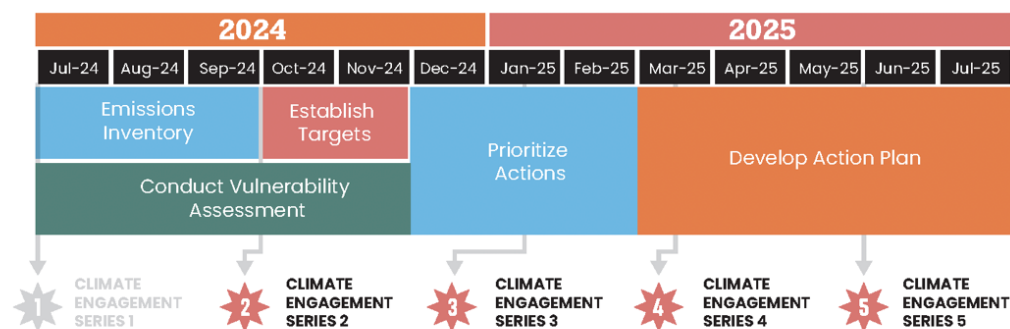


Figure 1 - Project Timeline

Outcomes

	Galatzan Rec Open House #3	MacArthur PK-8 Open House #4	English Survey Responses	Spanish Survey Responses	Total
Total Attendees or Survey Responses	65	59	176	17	317

Table 1 - Number of Participants or Survey Responses

The table shows the total number of participants or survey responses from different engagement activities.

- It includes **65 attendees** from Open House #3 at Galatzan Recreation Center,
- **59 attendees** from Open House #4 at MacArthur PK-8 School,
- and a combined **193 responses** from the Climate Action Plan English and Spanish surveys.
- Altogether, **317 people engaged with these activities.**

Engagement Activities

The following engagement activities were completed through the second climate engagement series:

- CBO 1-on-1 meeting with three Project Amanecer members on September 23, 2024.
- 12 number of attendees at UTEP on November 5th, 2024. Climate Plan awareness to Texas Rising group at UTEP and presentation about the fellowship and the CCAP.
- 25 number of attendees at ECO El Paso Conference held on November 14th 2024. Staff spoke on panel discussing building environment, circular economy and how the CCAP can address those topics through policy and programs.
- 12 Texas A&M Promotores on November 19th 2024. Climate action planning 101 to the new cohort of Promotores (outreach experts). Explain CCAP, objectives and future outreach collaboration with fellows.
- 11 number of attendees at Private Sector Engagement on October 30th, 2024. First formal engagement tailored to the private sector to discuss climate action, challenges and expectations.
- 5 number of attendees at meeting with the International Bridges Department of the City of El Paso on November 5th, 2024.

Three virtual meetings with Leadership Steering Committee members to discuss preliminary list of GHG reduction measures. December 15th-17th 2024. 6 LSC members.

Promotion of Engagement Activities

To encourage inclusive participation, Climate Engagement Series II events were promoted by:

Public Relations

- Climate Engagement Series II Press Releases sent on **October 1st, 2024 and October 8th, 2024** to inform residents in El Paso and Hudspeth County of the upcoming open-house events exploring extreme weather events and the Region's greenhouse gas inventory and its contribution to climate change.

Digital Marketing

- **Five e-newsletters** sent to project listserv about Climate Engagement Series open houses, open house reminders, virtual meeting for attendees unable to attend and Climate Action Plan survey totaling over **1,081 recipients**.
- **Social Media Marketing: 31 social media posts** including events for awareness of Climate Engagement Series Open Houses on **@EPClimate and @ElPasoTexasGov**, and **@iam_elpaso** social media platforms.
- **Paid Advertising on @EPClimate** promoting Climate Engagement Series Open Houses to El Paso and Hudspeth Counties.
- **Web Advertising:** Climate Engagement Series Open Houses held on **October 8th, 2024 & October 16th, 2024** promoted on EPClimate.org website.

Public Engagement

The climate youth fellowship program continues its engagement and training activities. They receive weekly training on key topics and concepts and facilitated small group meetings locally.

During this period the fellows conducted the 18 outreach activities in their communities including in person, meeting in a Box and canvassing activities:

- Promotion of climate survey to residents of Henderson Heights Affordable Housing Senior Community. 4 residents on November 20th 2024.
- Promotion of CCAP and upcoming community touchpoints in Downtown El Paso during the Chalk the Block event. 75 engagements on October 12th 2024.
- Promotion of CCAP and climate survey during 915 TreeKeepers tree planting events on October 26th, November 2nd and November 9th 2024. 54 surveys collected.
- Tabling at the Paso del Norte Gobble Stroll and Yoga in the Park on November 15th 2024. 5 surveys collected.
- Promotion of climate survey at Annual Neighborhood Summit on November 2nd 2024. 20 engagements and 5 surveys collected.
- Promotion of climate survey at Heart & Mind Bridging the Gap Summit on November 23rd 2024. 10 engagements.
- Engagement with Hudspeth County residents at mobile food pantries throughout October and November.
- Engagement at multiple locations at Socorro, Clint and the Mission Valley on October 3rd, October 7th, October 10th, October 14th, October 17th, October

21st, October 26th, November 3rd, November 10th, November 15th and December 1st. 160 engagements.

Outreach Materials

CLIMATE ENGAGEMENT SERIES 2

Learn about the sources of climate change emissions and climate hazards in our region and how they impact us.

Climate change impacts us all. By the end of this century:



Almost three additional months of extremely hot days (over 100 F) each year.



Droughts could become more common, with longer periods without rain.



There will be more days with extreme rainfall, which could lead to flooding.



The number of days with high wildfire risk may increase

What are potential Green House Gas (GHG) reduction targets we could pursue to halt Climate Change? U.S. Environmental Protection Agency recommends these targets to reduce Greenhouse Gases (GHG) and tackle climate change:

1. GHG emissions reduced 50% below 2005 levels by 2030
2. Net-zero GHG emissions by 2050

1

Galatzan Recreation Center
650 Wallenberg Dr
El Paso, Texas 79912
October 8, 2024
5:30 p.m. to 7:30 p.m.

2

MacArthur PK-8 School
8101 Whitus Dr.
El Paso, Texas 79925
October 16, 2024
5:30p.m. to 7:00 p.m.



Meetings led by Climate Fellows
Sign up here to request a Fellow led meeting for your bussiness or community group.



Survey
If you can't attend both open houses, take the survey!

Learn more and stay involved at epclimate.org





Chihuahuan Desert
Climate Collaborative

Follow us on:
Instagram: @iam_elpaso
Facebook: @EPClimate
X: @ElPasoTXGov

Figure 2 - Outreach Materials (Front)

HOW CAN THIS CLIMATE ACTION PLAN HELP OUR COMMUNITY?



Create pathways to green jobs.



Lower utility bills and transportation costs.



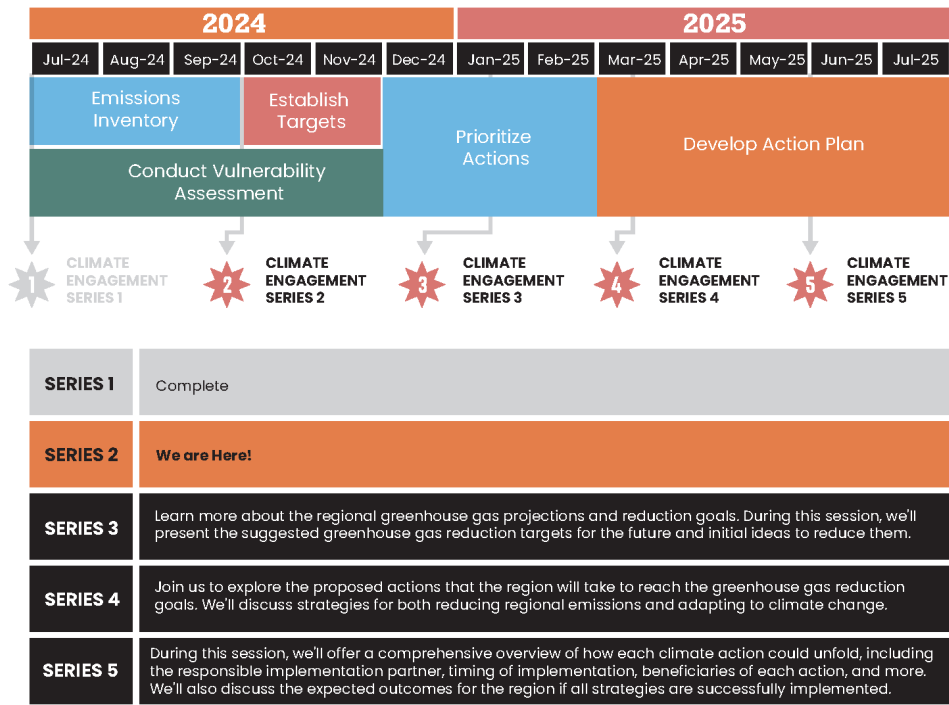
Add more open spaces and vegetation. And protect the desert and the ecosystem.



Improve air quality for all.

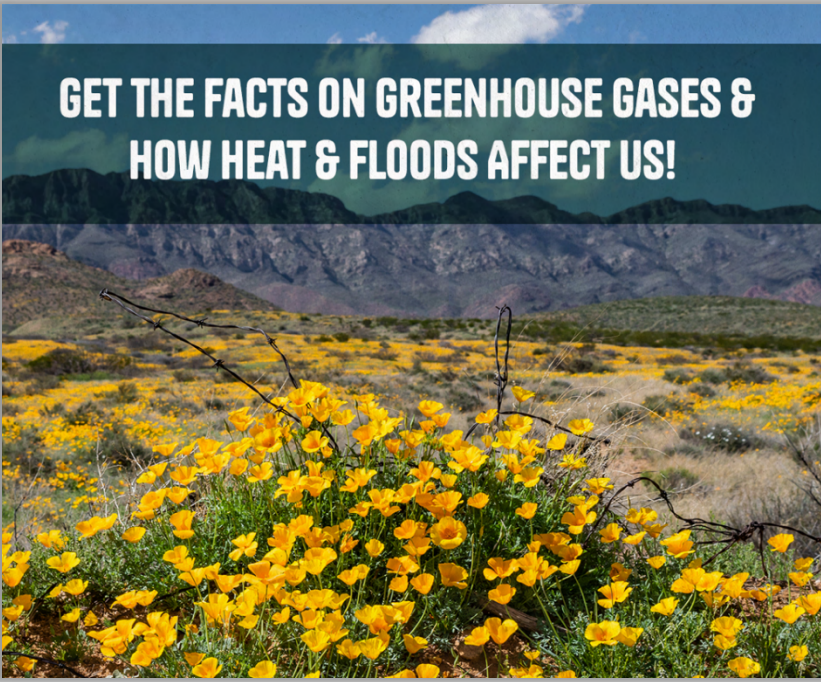
GET INVOLVED!

Get involved! The overall project is anticipated to be complete by fall of 2025. There will be five community touchpoints where as a community member you can learn about the project progress and give us your input and feedback.



The Chihuahuan Desert Climate Collaborative (CDCC) compries of all key stakeholders in El Paso and Hudspeth counties comitted to building a sustainable future! It includes 10 municipalities, 2 counties, 15 census-designated places and unincorporated communities. It also includes non-profit, academic, business partners and others.

Figure 3 - Outreach Material (Back)



GET THE FACTS ON GREENHOUSE GASES & HOW HEAT & FLOODS AFFECT US!



CLIMATE ENGAGEMENT SERIES #2

**Galatzan
Recreation Center**

650 Wallenberg Dr,
El Paso, Texas 79912
October 8, 2024
5:30 p.m. to 7:30 p.m.

EPClimate.org



CLIMATE ENGAGEMENT SERIES #2

MacArthur PK-8 School

8101 Whitus Dr,
El Paso, TX 79925
October 16, 2024
5:30 p.m. to 7:00 p.m.

EPClimate.org



LEARN ABOUT GREENHOUSE GAS SOURCES AND THE IMPACT OF EXTREME WEATHER ON OUR REGION!



**JOIN US AT OUR OPEN HOUSE FOR AN
INFORMATIVE SESSION!**

CLIMATE ENGAGEMENT SERIES #2

OCTOBER 8, 2024
5:30 p.m. to 7:30 p.m.

TOPICS

- Sources of Greenhouse Gases
- Impact of Extreme Weather on Our Region

LOCATION

Galatzan Recreation Center
650 Wallenberg Dr, El Paso, Texas 79912



EPClimate.org

CLIMATE ENGAGEMENT SERIES #2

OCTOBER 16, 2024
5:30 p.m. to 7:00 p.m.

TOPICS

- Where Greenhouse Gases Come From
- How Heat & Floods Affect Us

LOCATION

MacArthur PK-8 School
8101 Whitus Dr, El Paso, TX 79925



EPClimate.org

UNDERSTAND

**REGIONAL GREENHOUSE GAS EMISSIONS &
THE EFFECTS OF HEAT, DROUGHT, & FLOODS**





Collected Input

Question One: Based on your personal experience, do you feel that: It's hotter now than it was before?, Flash flooding happens more often now than before?, We have more drought now compared to before?, The risk of wildfires is higher now than it was in the past?, We're experiencing stronger or more frequent high winds and dust storms now than before?, Extreme cold events, like sudden freezes, are happening less often than they did before?

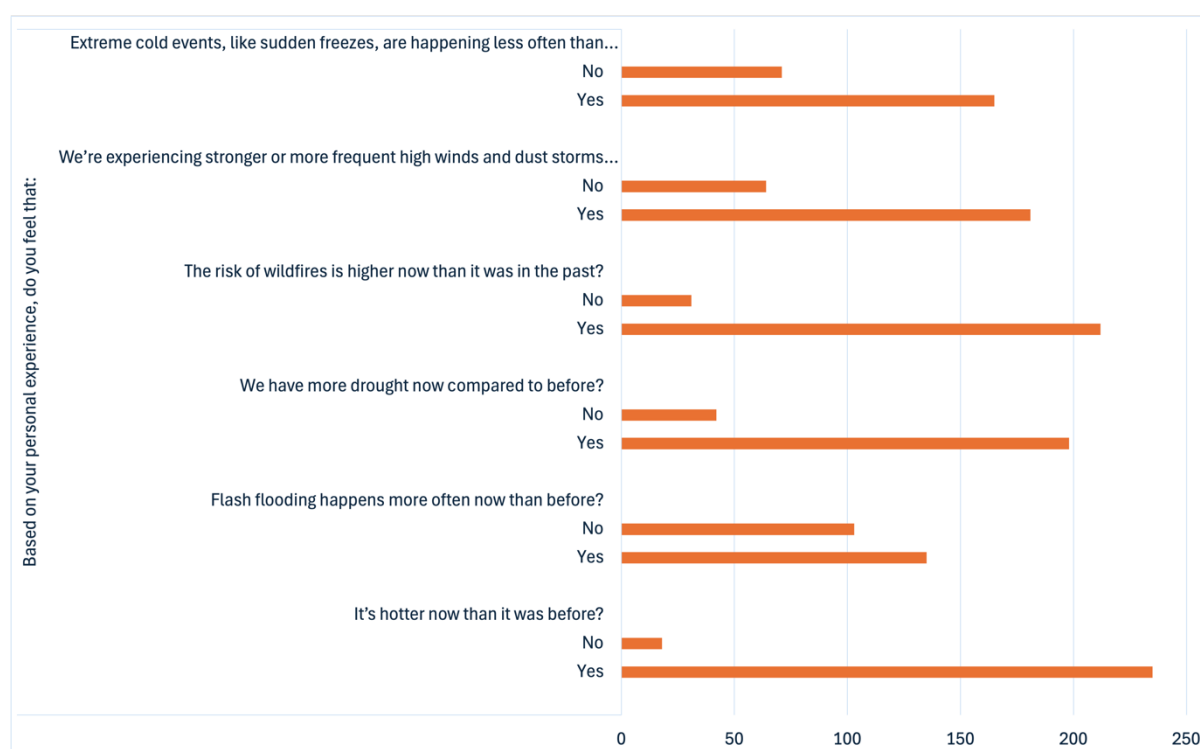


Table 2 - Personal Experience

People identified based on their personal experience, that it was hotter than it was before, with **(235 yes responses and 18 no responses)**. Others noted the risk of wildfires higher now than it was in the past with **(212 yes responses and 31 no responses)** and more drought now compared to before **(198 yes responses and 42 no responses)**.

Other respondents noted personal experiences in feeling that we are experiencing stronger or more frequent high winds and dust storms now than before with (181 yes responses and 64 no responses). Extreme cold events, like sudden freezes, happening less often than they did before were noted at (165 yes responses and 71 no responses). Finally, Flashing flooding happening more often now than before was noted at (135 yes responses to 103 no responses), respectfully.

Question Two: How Have these impacts affected you or your community and businesses? Share your experience, how did you overcome these challenges?



Table 3 – Climate Challenges Experienced & Overcome

Theme: Impact of Extreme Heat on Daily Life, Finances and Well-being

The persistent and intensifying heat in El Paso has affected individuals, households, and the broader community. From rising utility costs to health challenges, residents mentioned struggling to adapt to the extreme temperatures that now define much of the year. The heat imposed financial burdens as electricity and water bills increased, while air conditioning units and swamp coolers strained to keep homes livable, often leading to costly repairs. Outdoor activities—whether walking dogs, gardening, or exercising—also became increasingly difficult and sometimes unsafe, even at night.

For many, the extreme heat disrupted daily routines, restricted social and recreational activities, and diminished quality of life. Vulnerable populations, such as the elderly, those with health conditions, and low-income households, noted often facing challenges like dehydration, heat exhaustion, and inability to afford cooling. Respondents noted the natural environment, too, with struggles to cope, plants and gardens wither, wildlife is stressed, and the lack of shade and greenery exacerbates urban heat.

Theme: Staying Cool in a Changing Climate: Collective Adaptions for Extreme Heat

As rising temperatures become the norm, community members are adapting with a variety of strategies to stay cool and safe. From staying hydrated with more water and electrolytes to limiting outdoor activities during peak heat, respondents noted adjusting their lives to thrive despite the challenges of extreme heat. Three themes emerged: Daily Life Adaptations, Community and Home Solutions, & Cultural Shifts.

Daily Life Adaptations

Many responded with more time indoors, relying on air conditioning, ceiling fans, and personal cooling units to help beat the heat. To offset higher utility bills, individuals cut other expenses or sought financial assistance to cover rising electricity and water costs. Cooling centers, shaded public areas, and swimming pools were mentioned as essential communal spaces for relief. Some residents even adjust their schedules, opting for errands, gardening, and exercise early in the morning or late in the evening to avoid the midday sun.

Community and Home Solutions

Investments in cooling infrastructure are on the rise, from installing solar panels and weatherproofing homes to community-driven initiatives like shade canopies and tree planting. Residents also advocated for local cooling centers, such as transforming existing community spaces to serve vulnerable populations. Innovations like reflective roofs, smart thermostats, and energy-efficient systems are helping mitigate the heat while reducing energy use.

Cultural Shifts

Extreme heat drove the need for lifestyle changes, including increased sunscreen use, drinking more water, and spending leisure time in shaded or air-conditioned spaces like malls and movie theaters.

Theme: Flashing Flooding in El Paso: A Community Perspective

Flash floods and heavy rains in the El Paso area create a range of impacts, illustrating the challenges posed by infrastructure shortcomings, increased insurance burdens, and the strain on daily life. Many residents, particularly in historic and flood-prone areas like San Elizario, shared stories of property damage, disrupted commutes, and the rising costs of maintaining their homes and vehicles.

Personal Encounters with Flooding:

Some residents describe challenging experiences, such as assisting loved ones out of vehicles during flash floods or dealing with property damage caused by floodwaters entering homes and foundations. Others mention issues like car damage, roof repairs, and landscaping losses as persistent financial and emotional burdens.

Community-Wide Impacts:

Roads become treacherous, with drivers navigating flooded streets, sinkholes, and damaged infrastructure. For those commuting between El Paso and neighboring Juárez, heavy rains exacerbate traffic delays and accidents. The broader community also feels the impact through lost crops, washed-out parks and trails, and increased mosquito populations spreading diseases.

Historic and Environmental Concerns:

The flooding of adobe buildings in historic San Elizario underscores the vulnerability of cultural assets to extreme weather. Residents link flooding to poor city planning, suggesting that urban development on natural flood zones amplifies runoff issues, while a lack of proper drainage systems compounds the damage.

Financial and Emotional Strain:

Insurance premiums are rising, with some residents adding flood insurance even in areas where flooding is infrequent. Anxiety surrounding potential water damage, roof leaks, or compromised home foundations adds stress, particularly during heavy rain.

Adaptations and Frustrations:

- Residents noted adapting by adding water drains, gravel to landscaping, and utilizing rain collection systems. However, there's also frustration with the perceived inadequacy of city responses, such as delayed stormwater management projects.

Despite varying degrees of personal impact, there is a shared recognition of the need for better infrastructure, community education on flood preparedness, and improved city planning to address the challenges of flash flooding in El Paso.

Theme: Adaptation in the Face of Flashing Flooding

Community members have adopted various strategies to manage the effects of heavy rainfall and flash flooding in the region. These measures include installing drainage systems, using sandbags, and upgrading gutters, as well as lifestyle adjustments such as avoiding driving during storms or altering daily commutes to safer routes.

However, the burden of these efforts—whether financial, physical, or emotional—highlights the broader challenges posed by inadequate infrastructure and changing weather patterns. Many emphasize the need for improved drainage systems and better urban planning to alleviate the strain on residents. Others point to a growing awareness of self-reliance and the value of proactive measures, such as landscape modifications and flood insurance even as these often come with significant costs.

Theme: Impact of High Winds and Dust Storms on Daily Life

High winds and dust storms were noted as challenges that deeply affect individuals in the community. The pervasive dust reduced air quality, triggering health issues such as severe allergies, asthma attacks, and respiratory infections. These conditions restricted outdoor activities, making it difficult for people to enjoy hobbies such as running, biking, or taking a walk.

Dust storms also compromised visibility, making driving perilous and increasing the likelihood of accidents. For those who commute by foot or bike, gusts and flying debris created additional hazards.

Structural damage was noted as another recurring issue with loss of roof shingles, and trash and outdoor items scattered across neighborhoods. High winds uproot trees, knock over fences, and disrupt power lines, leading to sporadic outages and costly repairs were also noted. Some residents reported struggling to secure their homes and gardens, while others face denied insurance claims despite evident wind-related damage.

Theme: Adapting to High Winds and Dust Storms

Residents face increased healthcare costs due to reliance on allergy medications, inhalers, and other treatments, while also taking precautions to limit exposure to outdoor allergens and dust. Many choose to stay indoors, seal windows and doors, and wear protective gear such as masks and other protective gear when venturing outside.

Protective measures such as utilizing trees and plants as windbreakers were noted. Residents also noted adjustments of routines, from monitoring weather forecasts to reducing driving and outdoor activities during storms.

Theme: Life in a Drought

As drought conditions persist, communities face mounting challenges in maintaining their landscapes, managing water resources, and adapting to higher costs. For many, the financial strain of watering plants, grass, and gardens has led to higher utility bills, reduced irrigation, and the loss of vegetation. Others have transitioned to drought-tolerant landscaping or artificial grass to cope with the harsh realities of a dry climate. The scarcity of rain has also impacted agriculture, driving up the prices of fresh produce and creating food insecurity for some.

For pet owners, hotter days and dry conditions pose additional challenges in keeping animals safe and comfortable.

Theme: Sustainability in Drought

Many have adapted by planting native, drought-resistant vegetation, transitioning to xeriscaping, and considering innovative solutions such as gray water reuse and rainwater harvesting.

However, these adaptations have come at a cost to some residents. Some turned to artificial grass or reduced landscaping altogether. Others noted the need to avoid watering more often and reducing plants in efforts to reduce the financial strain of rising water bills.

Theme: Effects of Wildfires on Health, Our Community and Environment

While the El Paso area is not directly affected by wildfires, the smoke and pollution from nearby wildfires exacerbate health conditions. Individuals noted respiratory conditions, like asthma, and worsening symptoms due to poor air quality. Some also noted being forced to limit outdoor activities, especially during the fire season. For families, the inability to enjoy outdoor activities such as camping or lighting campfires were mentioned as being too dangerous due to the fire risk.

While El Paso does not experience frequent wildfires, participants expressed concerns about wildfires in the neighboring area of Ruidoso and the lingering effects of smoke, haze, and heightened pollution levels. Residents noted the experience of property loss and the displacement of residents and the long-term effects on community wellbeing. Business closures, higher insurance premiums, and the loss of recreational spaces affected local economies as a result.

Theme: Adapting to Wildfire Risks and Mitigating Air Quality Challenges

Respondents who preserved wildfires as a challenge noted making adjustments to avoid poor air quality, smoke and allergens. Many participants mentioned relying on air quality indices or weather reports to inform their outdoor activities, while some took preventive measures such as using air purifiers and masks to reduce health risk. Many even stayed indoors for extended periods to avoid the dangers posed by wildfire smoke.

Concerns about wildfire prevention, including controlled burns and the need to take precautions like reporting unsafe practices such as the burning of trash were mentioned.

While individuals appear less directly affected by wildfires in El Paso, there was a recognition of secondary impacts like smoke pollution from neighboring regions being considered. Leading many to make reactive decisions such as canceling trips due to wildfire risk in neighboring areas such as Ruidoso.

Theme: Cold Weather Challenges and Preparedness (Other Climate Stressors)

In a region that has experienced unpredictable and extreme cold weather, such as sudden freezes, individuals face various challenges. Respondents noted disruptions

to daily life, from burst pipes and damaged vehicles to higher utility bills and health risks such as getting sick more often.

The impact on homes and infrastructure was mentioned, with older homes being particularly vulnerable to pipe bursts and water service disruptions. The financial burden of these weather-related challenges was felt by many, as individuals were forced to use more electricity and gas to heat their homes, leading to higher bills.

Community-wide, there are shared experiences of damage to roads, increased sickness due to the cold, and temporary shutdowns of schools or businesses. The cold also brought about experienced consequences, like frozen water lines, resulting in water shortages, service disruptions and the destruction of outdoor plants and crops, especially those not adapted to freezing temperatures. Others adjusted their daily routines to mitigate the impact of sudden cold snaps by staying indoors or limiting outdoor activities.

Theme: Adjusting Plans During Cold Weather (Other Climate Stressors)

Cold weather presented numerous challenges forcing people to adapt their routines, adjust their living environments, and reconfigure plans. As cold snaps or freezing temperatures became more frequent, individuals learned to implement strategies to keep their homes safe, protect their cars, and stay healthy. Respondents noted ways to prevent damage to their property by insulating pipes, covering plants, and making sure their homes are sealed tight to avoid heat loss. Precautionary measures were mentioned and included upgrading windows, wrapping pipes with insulation, and even using space heaters to maintain warmth indoors.

The cold also led to lifestyle changes, as many residents noted avoiding outdoor activities, rescheduled travel plans, limited driving to prevent accidents and even adjusted their work or school schedules.

Respondents also mentioned financial impact due to cold weather adjusting to accommodate for higher utility bills due to higher energy consumptions and the cost of home repairs. Others took extra precautions before the winter months, investing in emergency supplies such as blankets, generators, and extra layers of clothing to endure the cold.

Other Meetings

N/A

Next Steps

The Chihuahuan Desert Climate Collaborative looks to continue its efforts through a third round of open houses focusing on regional greenhouse gas projections and reductions goals. During this series, the CDCC will present suggested greenhouse gas reduction targets for the future and initial ideas to reduce them.

Visit our website EPClimate.org to learn more.

Appendix A: Community Input

Community Input

The Chihuahuan Desert Climate Collaborative team gathered feedback from community members across El Paso and Hudspeth counties focusing on the region's greenhouse gas inventory and extreme weather events. Community members, particularly residents of low-income and disadvantaged communities (LIDACs), were invited to two open houses at a local community center and public school to provide their personal experiences with extreme weather conditions, such as heat, heavy rainfall, drought, wildfires, high winds, and cold freezes, which are projected to worsen in the future due to climate change. Additionally, this second of five community touchpoints aimed to assess whether residents have noticed changes in these weather patterns over time and to understand how these events are affecting their daily lives. Finally, it looked to collect insights on the ways individuals and communities have adapted to these challenges, helping inform strategies for building resilience to future climate impacts within El Paso and Hudspeth Counties.

Open Houses

The CDCC team continued its efforts in collecting feedback from the community during a second phase of open house style events held on October 8, 2024, and October 16, 2024. The open houses took place at the Galatzan Recreation Center and MacArthur PK-8 School located within identified LIDAC areas. The team provided a children's area with a "recyclable art" project table, and refreshments, and bilingual staff. Over 120 community members attended these open house-style events.

Open House Boards

Feedback was collected through community engagement activities. Attendees stuck sticky dots and "post-it" note comments on activity boards in response to prepopulated questions. The information boards and feedback boards are included at the end of this section. Questions included:

- How is Climate Change affecting our Community & Businesses? (Dot exercise)

Do you feel that it's hotter now than it was before?

- Yes
- No

Do you feel that flooding happens more often now than before?

- Yes
- No

Do you feel that we have more droughts compared to before?

- Yes
- No

Do you feel that the risk of wildfires is higher now than it was in the past?

- Yes
- No

Do you feel that we're experiencing stronger or more frequent high winds and dust storms now than before?

- Yes
- No

Do you feel that extreme cold events, like sudden freezes, are happening less often than before?

- Yes
- No

- How is Climate Change affecting our Community & Businesses? ("post-it" note write in)

Extreme Heat

- Share your experience:
- How did you overcome these challenges?

Flashing Flooding

- Share your experience:
- How did you overcome these challenges?

High Winds & Dust Storms

- Share your experience:
- How did you overcome these challenges?

Drought

- Share your experience:
- How did you overcome these challenges?

Wildfire

- Share your experience:
- How did you overcome these challenges?

Other Climate Stressors Like Cold Freezes

- Share your experience:
- How did you overcome these challenges?

WELCOME TO THE EL PASO CLIMATE ACTION PLAN COMMUNITY ENGAGEMENT SERIES

Bienvenidos al Plan de Acción Climática



Who Is the Chihuahuan Desert Climate Collaborative (CDCC)?

¿Quién es la Colaborativa Climática del Desierto Chihuahuense (CDCC por sus siglas en inglés)?



ONE REGION ALL UNDER THE STEWARDSHIP OF ONE STEERING COMMITTEE
UNA REGIÓN BAJO LA DIRECCIÓN DE UN SOLO COMITÉ DIRECTIVO



The Chihuahuan Desert Climate Collaborative (CDCC) comprises all key stakeholders in El Paso and Hudspeth counties! It includes 10 municipalities, 2 counties, 15 census-designated places and unincorporated communities. It also includes non-profit, academic and business partners.

¡La Colaborativa Climática del Desierto Chihuahuense (CDCC) toma en cuenta a todas las partes interesadas en los condados de El Paso y Hudspeth! Incluye 10 municipios, 2 condados, 15 lugares designados por el censo y comunidades no incorporadas. También incluye socios de organizaciones sin fines de lucro, académicos y empresarios.

Meet the Chihuahuan Desert Climate Collaborative Fellows

Conoce a los Representantes de la Colaborativa Climática del Desierto Chihuahuense

The climate fellowship was created by the City of El Paso's Office of Climate and Sustainability and launched in March 2024.

It's made up of driven and talented young individuals from the region who live here and want to make a difference. There are 27 volunteers from across the region, made up of nine teams of three fellows each. These fellows are here to gain career experience and better position themselves to grow into full-time climate professionals.

Through this project, the fellows will work with partner organizations such as Frontera Land Alliance, the El Paso Community Foundation, Eco El Paso, and various promotor groups to help the engagement and education process of the Climate Action Plan.

Look for their badge and say hi!

El Programa Climático fue creado por la Oficina de Clima y Sostenibilidad de la Ciudad de El Paso y se lanzó en marzo de 2024.

Está compuesto por jóvenes motivados y talentosos de la región que viven aquí y quieren hacer una diferencia. Hay 27 voluntarios de toda la región, organizados en nueve equipos con tres representantes cada uno. Estos representantes están aquí para adquirir experiencia profesional y posicionarse mejor para convertirse en profesionales del clima a tiempo completo.

A través de este proyecto, trabajarán con organizaciones asociadas como Frontera Land Alliance, la Fundación Comunitaria de El Paso, Eco El Paso y varios grupos de promotoría para ayudar en el proceso de participación y educación del Plan de Acción Climática.

¡Identifica su gafete y salúdate!

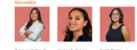
WEST TEAM

EQUIPO OESTE

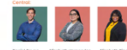
North West (Including Vietnam & Anthony)



North East



Central



EAST TEAM

EQUIPO ESTE

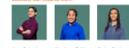
Mission Valley



East, Far East, Horizon



Seccion, San Elizario, Cila



Hudspeth County



How Are We Developing This Climate Action Plan With Your Input?

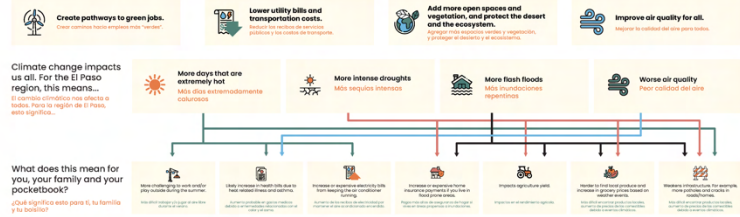
¿Cómo estamos desarrollando este Plan de Acción Climática con sus aportaciones?



- 1. Inventory Emissions:** Measure El Paso's total greenhouse gas emissions from sources like cars, buildings, and industry.
- 2. Establish Targets:** Set specific reduction goals for El Paso's emissions to be achieved by certain dates (e.g. 2030, 2040, 2050).
- 3. Conduct Vulnerability Assessment:** Identify which areas and populations in El Paso are most at risk from climate change impacts like heatwaves and flooding.
- 4. Prioritize Actions:** Decide which climate actions to take first in El Paso based on their potential impact and feasibility.
- 5. Develop Action Plan:** Create a detailed plan outlining the steps El Paso will take to reach its climate targets and adapt to a changing climate.
- 6. Implement Plan:** Execute the actions laid out in El Paso's climate action plan to reduce emissions and enhance resilience.
- 7. Monitor and Evaluate Progress:** Regularly track and assess El Paso's progress toward its climate goals and adjust the plan as needed.

How can this Climate Action Plan help our community?

¿Cómo puede ayudar este Plan de Acción Climática a nuestra comunidad?



Timeline Cronología del Proyecto

The Chihuahuan Desert Climate Action Plan will serve as a roadmap for tackling climate change at the regional level, outlining concrete steps to reduce emissions and build a more sustainable and resilient future. The plan is scheduled to be completed in Fall of 2025.

El Plan de Acción Climática del Desierto Chihuahuense servirá como guía para abordar el cambio climático a nivel regional, delineando pasos concretos para reducir las emisiones y construir un futuro más sostenible y resiliente. El plan está programado para completarse en otoño del 2025.



So Far, This Is What You've Said...

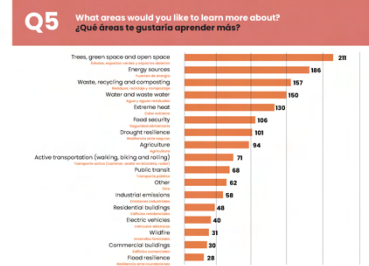
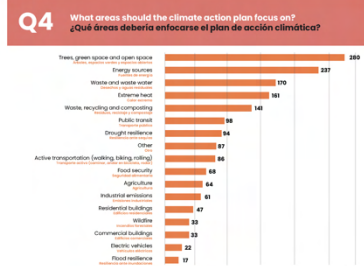
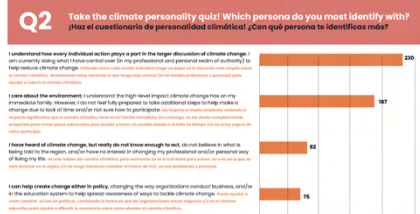
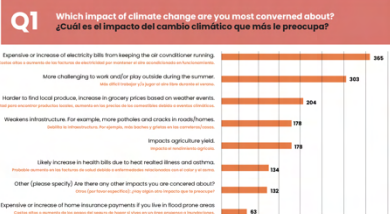
Hasta ahora, esto es lo que has dicho...



The table shows the total number of participants or survey responses from different engagement activities. It includes 54 attendees from Open House #1 at Valle Bajo, 43 attendees from Open House #2 at Patriots Place, and a combined 550 responses from English and Spanish surveys.

Altogether, 647 people engaged with these activities. En total, 647 personas participaron en estas actividades.				
Total Attendees or survey responses Total de asistentes o respuestas a la encuesta.	54	43	500	50
	647			

Here's a compilation of responses we've collected since starting this climate engagement series. As we continue to collect your opinions, we will continue to share the results with you. Here's where we are today.



What Are Heat-Trapping Greenhouse Gases And How Do They Contribute to Climate Change?

¿Qué son los gases de efecto invernadero que atrapan el calor y cómo contribuyen al cambio climático?



Human activities have been the main driver of climate change, or the long-term shifts in the earth's temperatures and weather patterns.
 Las actividades humanas han sido el principal motor del cambio climático, o de los cambios a largo plazo en las temperaturas y patrones climáticos de la Tierra.

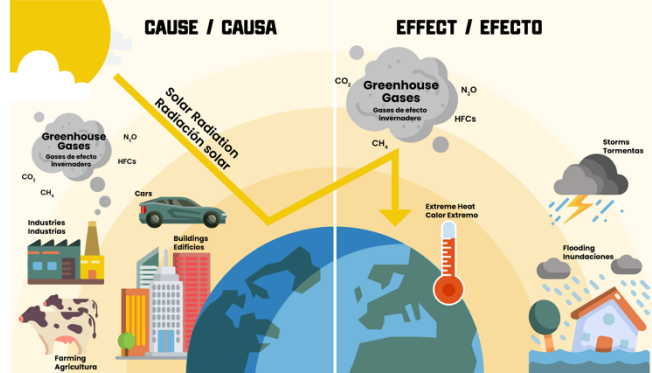
This is primarily due to burning fossil fuels such as coal, oil, and natural gas for activities such as driving, warming or cooling our buildings, or creating products.
 Esto se debe principalmente a la quema de combustibles fósiles como el carbón, el petróleo y el gas natural para actividades como conducir, calentar o enfriar nuestros edificios, o crear productos.

Burning these fuels releases greenhouse gas (or GHG) emissions into the atmosphere that trap the sun's heat like a blanket around the earth, which is the primary cause of climate change.
 La quema de estos combustibles libera emisiones de gases de efecto invernadero (GEI) en la atmósfera que atrapan el calor del sol como una manta alrededor de la Tierra, lo que es la causa principal del cambio climático.

GHG emissions can also come from agriculture like cows or natural lands like forests when they are burned.
 Las emisiones de GEI también pueden provenir de la agricultura, como los vacos, o de tierras naturales como los bosques cuando se queman.

Because humans are adding a large amount of GHGs to the atmosphere, the earth is now warming at an alarming rate.
 Debido a que los humanos están añadiendo una gran cantidad de GEI a la atmósfera, la Tierra se está calentando a un ritmo alarmante.

With this warming come additional negative impacts on our region, such as extreme heat, severe flooding, and catastrophic storms.
 Con este calentamiento vienen impactos negativos adicionales en nuestra región, como el calor extremo, inundaciones severas y tormentas catastróficas.



What does carbon dioxide equivalents or CO₂e mean?
 ¿Qué significa equivalentes de dióxido de carbono o CO₂e?

There are seven main GHGs: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF₆), and nitrogen trifluoride (NF₃).

Hay siete gases de efecto invernadero (GEI) principales: dióxido de carbono (CO₂), metano (CH₄), óxido nítrico (N₂O), hidrofluorocarburos (HFC), perfluorocarburos (PFC), hexafluoruro de azufre (SF₆) y trifluoruro de nitrógeno (NF₃).

Each GHG has a global warming potential (GWP) that represents the heat-trapping ability of the gas relative to that of CO₂.
 Cada GEI tiene un potencial de calentamiento global (GWP) que representa la capacidad de atrapar calor del gas en relación con la de CO₂.

The bigger the GWP, the more heat the gas will trap. To better compare the climate impacts of the different gases, they are converted to CO₂ equivalents, or CO₂e, by multiplying the amount of each gas by its GWP.

Cuanto mayor sea el GWP, más calor atrapará el gas. Para comparar mejor los impactos climáticos de los diferentes gases, se convierten a equivalentes de CO₂ o CO₂e, multiplicando la cantidad de cada gas por su GWP.

GREENHOUSE GAS	GLOBAL WARMING POTENTIAL*
CO ₂	1
CH ₄	28
N ₂ O	265
HFCs	VARIOUS
PFCs	VARIOUS
SF ₆	23,500
NF ₃	10,100

*100-year GWP values from the Intergovernmental Panel on Climate Change's Fifth Assessment Report

What about the other pollutants that contribute to poor air quality?
 ¿Qué pasa con los otros contaminantes que contribuyen a la mala calidad del aire?

Co-pollutants include the criteria air pollutants and hazardous air pollutants that are regulated by the EPA as they are harmful to public health and the environment.

Even though co-pollutants are often emitted alongside GHGs, GHG and co-pollutant emissions are different as GHGs trap heat in the atmosphere and contribute to climate change while co-pollutants impact local air quality and human health.

The key difference is the scale: GHG emissions have a global impact while co-pollutant emissions have a local impact.

Los co-pollutantes incluyen los contaminantes que son regulados por la EPA, como los contaminantes del aire de calidad y los contaminantes peligrosos, ya que son dañinos para la salud pública y el medio ambiente.

Aunque los co-pollutantes a menudo se emiten junto con los gases de efecto invernadero (Gases de efecto invernadero), las emisiones de gases de efecto invernadero y las de co-pollutantes son diferentes. Los gases de efecto invernadero atrapan calor en la atmósfera y contribuyen al cambio climático, mientras que los co-pollutantes tienen un impacto local.

HEALTH EFFECTS OF AIR POLLUTION
 Efectos del aire contaminado en la salud.

HEART ISSUES (Problemas cardíacos), LUNG ISSUES (Problemas pulmonares), WORSENS ASTHMA (Empeora el asma), EYE, NOSE & THROAT IRRITATION (Irritación en ojos, nariz y garganta).

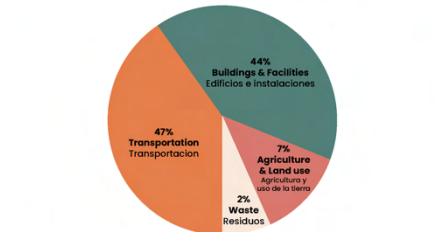
WHO IS MORE AFFECTED
 Quiénes son los más afectados

SENIOR CITIZENS (Personas mayores), CHILDREN & TEENAGERS (Niños y adolescentes), ADULTS W/ HEART OR LUNG DISEASE (Adultos con enfermedades cardíacas o pulmonares), OUTDOOR WORKERS (Trabajadores al aire libre).

We are developing a separate co-pollutant emissions inventory and will estimate the co-pollutant reduction benefits of the actions in the plan.
 Estamos desarrollando un inventario separado de emisiones de co-pollutantes y estimaremos los beneficios de reducción de co-pollutantes de las acciones en el plan.

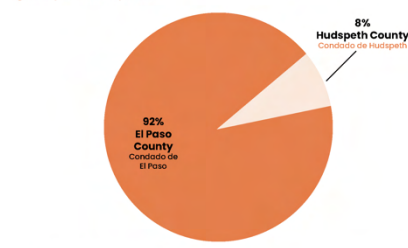
Where Are Heat-Trapping Greenhouse Gases Coming From?

¿De dónde vienen los gases de efecto invernadero que retienen el calor?



Emissions Breakdown of the Region
 This pie chart shows each sector's contribution to region-wide GHG emissions. The Transportation sector produces the most emissions, followed by Buildings and Facilities, Agriculture and Land Use, and Waste.

Desglose de emisiones de la región
 Este gráfico circular muestra la contribución de cada sector a las emisiones de gases de efecto invernadero total de la región. El sector de Transporte produce la mayor cantidad de emisiones, seguido por Edificios e Instalaciones, Agricultura y uso de la Tierra, y Residuos.



Emissions Breakdown Between El Paso and Hudspeth Counties
 El Paso County produces 92% of the region's emissions while Hudspeth produces 8%. That means El Paso County produces 11.5 times more emissions than Hudspeth County. This is because most of the region's population and developed areas are in El Paso County.

Desglose de emisiones entre los condados de El Paso y Hudspeth
 El Condado de El Paso produce el 92% de las emisiones de la región, mientras que Hudspeth produce el 8%. Esto significa que el Condado de El Paso genera 11.5 veces más emisiones que el Condado de Hudspeth. Esto se debe a que la mayor parte de la población y las áreas desarrolladas de la región están en el Condado de El Paso.

47% TRANSPORTATION
 Transportation GHG emissions come from vehicles such as cars, commercial vehicles, trains, and planes that burn fuel, such as gasoline or diesel. These emissions are released into the air when engines burn fuel. Los emisiones de gases de efecto invernadero del transporte provienen de vehículos como automóviles, vehículos comerciales, trenes y aviones que queman combustible, como gasolina o diésel. Estas emisiones se liberan al aire cuando los motores queman combustible.

44% BUILDINGS & FACILITIES
 Building and Facility GHG emissions come from the energy used for heating, cooling, lighting, creating products, and powering appliances and equipment. These emissions are mostly caused by burning fossil fuels, such as natural gas or coal, to generate electricity or heat. Los emisiones de gases de efecto invernadero de edificios e instalaciones provienen de la energía utilizada para calentar, enfriar, iluminar, fabricar productos y alimentar electrodomésticos y equipos. Estas emisiones son causadas principalmente por la quema de combustibles fósiles, como el gas natural o el carbón, para generar electricidad o calor.

7% AGRICULTURE & LAND USE
 Agriculture and Land Use GHG emissions come from activities such as raising farm animals, growing crops, and clearing land. These emissions are from livestock digestion and manure, fertilizer use, and from the removal of forests and trees. Los emisiones de gases de efecto invernadero de la agricultura y el uso de la tierra provienen de actividades como la cría de animales de granja, el cultivo de cosechas y la deforestación. Estas emisiones se generan por la digestión del ganado y el estiércol, el uso de fertilizantes y la eliminación de bosques y árboles.

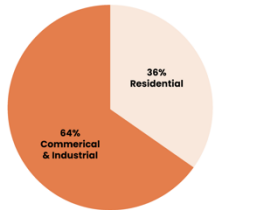
2% WASTE (solid & wastewater)
 Solid Waste and Wastewater GHG emissions come from the decomposition of garbage in landfills and the treatment of sewage. As waste breaks down or is treated, it releases GHGs. Los emisiones de gases de efecto invernadero de residuos sólidos y aguas residuales provienen de la descomposición de basura en vertederos y del tratamiento de aguas residuales. A medida que los desechos se descomponen o son tratados, liberan gases de efecto invernadero.

Where Are Heat-Trapping Greenhouse Gases Coming From? (Cont.)

¿De dónde provienen los gases de efecto invernadero que atrapan el calor? (Cont.)



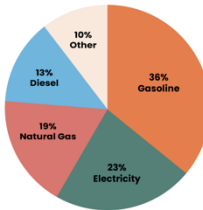
Buildings and Facilities Emissions Breakdown
Desglose de emisiones de edificios e instalaciones.



The buildings and facilities sector includes residential, commercial, and industrial subsectors which produce emissions by using electricity, natural gas, and other fuels. Most of the buildings and facilities sector emissions are from the commercial and industrial subsectors (54%) followed by residential (36%).

El sector de Edificios e Instalaciones incluye los subsectores residencial, comercial e industrial, que producen emisiones al utilizar electricidad, gas natural y otros combustibles. La mayor parte de las emisiones del sector de Edificios e Instalaciones proviene de los subsectores comercial e industrial (54%), seguidos por el residencial (36%).

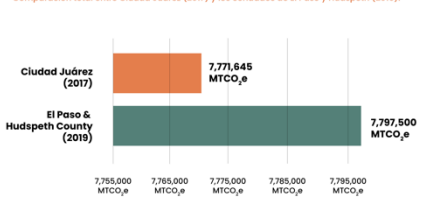
Emissions Breakdown By Energy Source
Desglose de emisiones por fuente de energía



Different energy sources are used in the Buildings and Facilities and Transportation sectors. Depending on the amount of energy used and the emission intensity of the energy source, different levels of GHG emissions are produced for each energy source. Most emissions are from using gasoline (36%), followed by electricity (23%), natural gas (19%), diesel (13%), and other fuels (10%).

En varios diferentes fuentes de energía en los sectores de Edificios e Instalaciones y Transporte. Dependiendo de la cantidad de energía utilizada y la intensidad de emisiones de cada fuente de energía, se producen diferentes niveles de emisiones de gases de efecto invernadero para cada fuente. La mayoría de las emisiones provienen del uso de gasolina (36%), seguida por electricidad (23%), gas natural (19%), diesel (13%) y otros combustibles (10%).

Comparison of Total Between Ciudad Juárez (2017) and El Paso and Hudspeth County (2019)
Comparación total entre Ciudad Juárez (2017) y los condados de El Paso y Hudspeth (2019)



The chart compares total GHG emissions between Ciudad Juárez in 2017 and El Paso and Hudspeth County in 2019, measured in metric tons CO₂ equivalent (MTCO₂e). El Paso and Hudspeth County had slightly higher emissions (7,797,500 MTCO₂e) compared to Ciudad Juárez (7,771,645 MTCO₂e), showing a difference of 25,855 MTCO₂e.

El gráfico compara las emisiones totales de gases de efecto invernadero entre Ciudad Juárez en 2017 y los condados de El Paso y Hudspeth en 2019, medidos en toneladas métricas de CO₂ equivalente (MTCO₂e). Los condados de El Paso y Hudspeth tuvieron emisiones ligeramente más altas (7,797,500 MTCO₂e) en comparación con Ciudad Juárez (7,771,645 MTCO₂e), mostrando una diferencia de 25,855 MTCO₂e.

Based on community input, the areas that should be prioritized in the climate action plan align with the sectors that have the highest emissions.

Con base en la opinión de la comunidad, las áreas que se deben priorizar en el plan de acción climática están alineadas con los sectores que tienen las emisiones más altas.

- Buildings and Facilities:** A total of 378 responses highlight a strong focus on energy-efficient buildings, including commercial (33), residential (47), and industrial buildings (6).
- Energy and Transportation:** Significant interest is seen in energy sources (237) and various transportation options, such as public transit (98), active transportation (86), and electric vehicles (22).
- Waste and Water Management:** Waste management (311), including recycling and composting (14), and water and wastewater management (170) are key areas of concern that require attention in the plan.
- Agriculture:** Fewer responses (64) addressed agriculture.

What areas should the climate action plan focus on? ¿En qué áreas debería enfocarse el plan de acción climática?		# of votes
Buildings and Facilities	Edificios e instalaciones	378
Commercial buildings	Edificios comerciales	33
Residential buildings	Edificios residenciales	47
Industrial emissions	Emisiones industriales	61
Energy sources	Fuentes de energía	237
Waste	Residuos	311
Waste, recycling and composting	Gestión de residuos, reciclaje y compostaje	141
Water and wastewater	Agua y aguas residuales	170
Transportation	Transporte	206
Electric vehicles	Vehículos eléctricos	22
Active transportation (walking, biking, & rolling)	Transporte activo (caminar, andar en bicicleta y desplazamiento)	86
Public transit	Transporte público	98
Agriculture	Agricultura	64

What Does Reaching Net-Zero Emissions Mean?

¿Qué significa alcanzar emisiones netas cero?

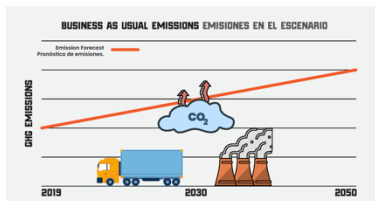


The U.S. Environmental Protection Agency recommends these targets to reduce GHG emissions:

1. GHG emissions reduced 50% below 2005 levels by 2030
2. Net-zero GHG emissions by 2050

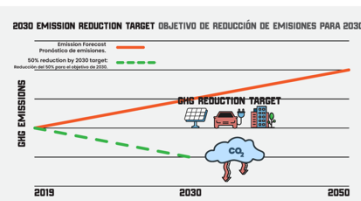
La Agencia de Protección Ambiental de EE. UU. recomienda los siguientes objetivos para reducir las emisiones de gases de efecto invernadero (GEI):

1. Reducir las emisiones de GEI un 50% por debajo de los niveles de 2005 para 2030.
2. Alcanzar emisiones netas cero de GEI para 2050.



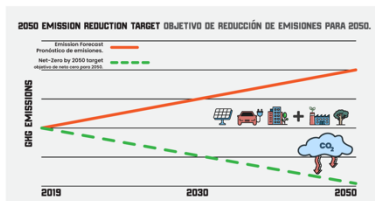
If we continue with business as usual and take no action, GHG emissions will keep rising, worsening the impacts of climate change.

Si continuamos con el negocio habitual y no tomamos ninguna acción, las emisiones de gases de efecto invernadero (GEI) seguirán aumentando, empeorando los impactos del cambio climático.



The EPA's target is to reduce GHG emissions by 50% below 2005 levels by 2030. Strategies include transitioning to renewable energy sources like wind and solar, improving building energy efficiency, and reducing the need for vehicle travel.

El objetivo de la EPA es reducir las emisiones de gases de efecto invernadero (GEI) en un 50% por debajo de los niveles de 2005 para 2030. Las estrategias incluyen la transición a fuentes de energía renovable como la eólica y la solar, mejorar la eficiencia energética de los edificios y reducir la necesidad de viajar en vehículos.



Additionally, the EPA aims to achieve net-zero GHG emissions by 2050, meaning that any emissions produced will need to be balanced out by removing or offsetting an equivalent amount from the atmosphere.

Además, la EPA busca como objetivo alcanzar emisiones "netas cero" de gases de efecto invernadero (GEI) para 2050, lo que significa que cualquier emisión producida deberá ser compensada eliminando o compensando una cantidad equivalente de la atmósfera.

What is Net-Zero GHG emissions?

Net-zero GHG emissions is achieved when the amount of GHGs emitted into the atmosphere is equal to the amount removed.

Emissions can be reduced through strategies like increasing renewable energy sources, improving building energy efficiency, and reducing the need for vehicle travel.

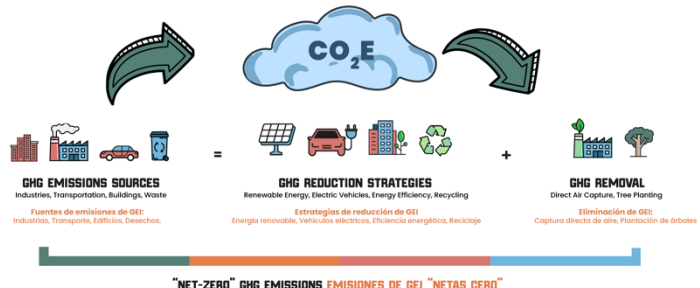
After emissions are reduced as much as possible, emissions can be removed from the atmosphere through strategies like increasing the amount of plants that sequester CO₂ or building machines that capture GHGs from the air. Currently, the trees in the El Paso MSA remove about 2% of the region's CO₂ emissions each year.

¿Qué son las emisiones netas cero de GEI?

Las emisiones netas cero de GEI se logran cuando la cantidad de gases de efecto invernadero (GEI) emitidos a la atmósfera es igual a la cantidad eliminada.

Las emisiones pueden reducirse a través de estrategias como aumentar las fuentes de energía renovable, mejorar la eficiencia energética de los edificios y reducir la necesidad de viajar en vehículos.

Después de reducir las emisiones tanto como sea posible, se pueden eliminar de la atmósfera mediante estrategias como aumentar la cantidad de plantas que sequestran CO₂ o construir máquinas que capturen GEI del aire. Actualmente, los árboles en el área metropolitana de El Paso eliminan alrededor del 2% de las emisiones de CO₂ de la región cada año.



How Is Climate Change Affecting Our Community & Businesses?

¿Cómo está afectando el cambio climático a nuestra comunidad y a los negocios?



Extreme Heat Calor extremo

Almost three additional months of extremely hot days (over 100°F) each year. In the past, we had about 17 really hot days per year (over 100°F). But in the future, we might see up to 96 of these days each year—more than five times as many. **Casi tres meses adicionales de días extremadamente calurosos (más de 100°F) cada año.** En el pasado, teníamos alrededor de 17 días realmente calurosos al año (más de 100°F). Pero en el futuro, podríamos ver hasta 96 de estos días cada año, más de cinco veces más.



Heavy Rain & Flooding Lluvias intensas e inundaciones

More days with extreme rainfall can increase flood risk. Right now, we have about 5 days with extremely heavy rain each year. By the end of the century, that number could increase to 8 days, a 60% increase. **Más días con lluvias extremas pueden aumentar el riesgo de inundaciones.** Ahora mismo, tenemos alrededor de 5 días con lluvias extremadamente fuertes cada año. Para finales del siglo, ese número podría aumentar a 8 días, un aumento del 60%.



Drought Sequia

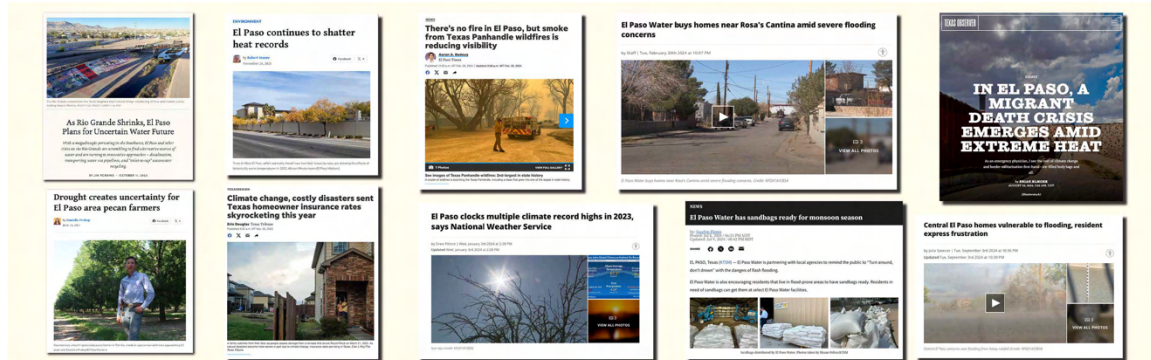
Droughts could become more common, with longer periods without rain. In the past, we had about 50 days a year in a row without significant rain. By the end of the century, that could increase to 63 days, a 26% increase. **Las sequías podrían volverse más comunes, con períodos más largos sin lluvia.** En el pasado, teníamos alrededor de 50 días al año seguidos sin lluvia significativa. Para finales del siglo, eso podría aumentar a 63 días, un aumento del 26%.



Wildfire Risk Riesgo de incendios forestales

The number of days with high wildfire risk may increase by 29%. There used to be around 73 days a year with high wildfire risk. This could rise to about 95 days in the future, meaning more days when fires are more likely to start. **El número de días con alto riesgo de incendios forestales puede aumentar en un 29%.** Antes había alrededor de 73 días al año con alto riesgo de incendios forestales. Esto podría aumentar a aproximadamente 95 días en el futuro, lo que significa más días en que es más probable que se inicien incendios.

****While we understand that dust storms and winds are common in El Paso, they are a very local phenomenon aggravated by drought-loosening soil. Dust and wind storms are not climate stressors that can be modeled on their own; however, drought is, and this study will capture that data. While wildfires may not be common in El Paso, our partners in Hudspeth County are susceptible to them.**
****Aunque entendemos que las tormentas de polvo y los vientos son comunes en El Paso, son un fenómeno local agravado por la sequía que aligera la tierra. Las tormentas de polvo y de viento no son factores que afectan el clima que se puedan modelar por sí solos; sin embargo, la sequía sí lo es, y este estudio capturará esos datos. Aunque los incendios forestales pueden no ser comunes en El Paso, nuestros colaboradores del condado de Hudspeth son susceptibles a ellos.**



How Is Climate Change Affecting Our Community & Businesses?

¿Cómo está afectando el cambio climático a nuestra comunidad y a los negocios?



Do you feel that it's hotter now than it was before?
¿Sientes que ahora hace más calor que antes?

Yes/sí

No



Do you feel that flooding happens more often now than before?
¿Sientes que las inundaciones ocurren más seguido que antes?

Yes/sí

No



Do you feel that we have more droughts compared to before?
¿Sientes que tenemos más sequías que antes?

Yes/sí

No



Do you feel that the risk of wildfires is higher now than it was in the past?
¿Sientes que el riesgo de incendios forestales es más alto ahora que en el pasado?

Yes/sí

No



Do you feel that we're experiencing stronger or more frequent high winds and dust storms now than before?
¿Sientes que estamos experimentando vientos fuertes o tormentas de polvo más intensas o frecuentes ahora que antes?

Yes/sí

No



Do you feel that extreme cold events, like sudden freezes, are happening less often than before?
¿Sientes que los eventos de frío extremo, como las heladas repentinas, están ocurriendo con menos frecuencia que antes?

Yes/sí

No

How Are These Climate Stressors Impacting Your Community And Businesses?

¿Cómo están impactando estos factores del clima a tu comunidad y a los negocios?



Extreme Heat Calor extremo



- Increases the risk of heat-related sickness and deaths.
Aumenta el riesgo de enfermedades y muertes relacionadas con el calor.
- Makes it harder for people to join outdoor activities and events.
Hace que sea más difícil para las personas participar en actividades y eventos al aire libre.
- Puts pressure on energy supplies, leading to possible blackouts.
Sobrecarga los suministros de energía, lo que puede llevar a apagones.
- Increases costs due to higher electricity use.
Aumenta los costos debido al mayor uso de electricidad.
- Reduces safety on roads and railways because of heat damage.
Reduce la seguridad en las carreteras y transporte ferroviario debido a daños por el calor.
- Additional expenses for fixing roads and infrastructure.
Costos adicionales para reparar carreteras e infraestructura.



Flash Flooding Inundaciones repentinas



- Damages homes, businesses, and personal property.
Daños a casas, negocios y propiedades personales.
- Displaces families and disrupts communities.
Desplaza a familias y afecta a las comunidades.
- Contaminates water supplies.
Contamina los suministros de agua.
- Blocks roads, making travel and emergency response harder.
Bloquea carreteras, haciendo que viajar y responder a emergencias sea más difícil.
- Destroys crops and reduces local food supply.
Destruye cultivos y reduce el suministro de alimentos local.
- Increases costs for repairs and recovery efforts.
Aumenta los costos de reparaciones y esfuerzos de recuperación.



High Winds and Dust Storms Vientos fuertes y tormentas de polvo



- Causes damage to buildings and power lines.
Causan daños a edificios y líneas eléctricas.
- Uproots trees and sends debris flying.
Arrancan árboles y envían escombros volando.
- Reduces visibility, making driving dangerous.
Reducen la visibilidad, haciendo que manejar sea peligroso.
- Disrupts outdoor activities and events.
Interrumpen actividades y eventos al aire libre.
- Increases risk of dust-related health problems.
Aumentan el riesgo de problemas de salud relacionados con el polvo.
- Can lead to power outages and utility disruptions.
Pueden provocar apagones de energía y problemas con los servicios públicos.

How Have These Impacts Affected You or Your Community And Businesses?

Use "Post-it" to write in...

¿Cómo han afectado estos impactos a ti, a tu comunidad y a los negocios? Utiliza un "post-it" para anotarlo...



Extreme Heat Calor extremo

Share your experience:
Example: I struggle to pay utility bills in the summer.
Comparte tu experiencia: (ejemplo: Me cuesta pagar los recibos de servicios públicos en el verano.

How did you overcome these challenges?
Example: We went to a cooling center.
¿Cómo superaste estos retos? (ejemplo: Fuimos a un centro de enfriamiento.



Flash Flooding Inundaciones repentinas

Share your experience:
Example: I pay very high flood insurance.
Comparte tu experiencia: (ejemplo: Pago un seguro de inundación muy caro.

How did you overcome these challenges?
Example: I have sand bags on my property to protect my home.
¿Cómo superaste estos retos? (ejemplo: Tengo sacos de arena en mi propiedad para proteger mi casa.



High Winds and Dust Storms Vientos fuertes y tormentas de polvo

Share your experience:
Example: I struggle to drive during dust storms.
Comparte tu experiencia: (ejemplo: Se me dificulta manejar durante las tormentas de arena.

How did you overcome these challenges?
Example: I had to use face masks to protect breathing and reduced outdoor activity.
¿Cómo superaste estos retos? (ejemplo: Tuve que usar cubrebocas para proteger mi respiración y reducir mis actividades al aire libre.

How Are These Climate Stressors Impacting Your Community and Businesses?

¿Cómo están impactando a tu comunidad y a los negocios estos factores relacionados al clima?



Drought Sequía



- ▶ Reduces water supply, leading to shortages.
Reduce el suministro de agua, lo que lleva a la escasez.
- ▶ Damages crops and harms livestock affecting food availability.
Daña las cosechas y afecta al ganado, lo que impacta la disponibilidad de alimentos.
- ▶ Increases the risk of wildfires due to dry conditions.
Aumenta el riesgo de incendios forestales debido a las condiciones secas.
- ▶ Strains water usage for homes and businesses.
Sobrecarga el uso del agua para hogares y negocios.
- ▶ Harms local ecosystems and wildlife.
Daña los ecosistemas locales y la vida silvestre.
- ▶ Can lead to higher costs for water, agriculture and economic challenges for farmers.
Puede llevar a costos más altos para el agua, la agricultura y retos económicos para los agricultores.



Wildfire Incendios forestales



- ▶ Burns homes and buildings, causing property loss.
Incendios de hogares y edificios, causando pérdidas de propiedad.
- ▶ Produces dangerous smoke, which affects air quality and health.
Produce humo peligroso, que afecta la calidad del aire y la salud.
- ▶ Displaces families and disrupts communities.
Desaloja a familias e interrumpe las comunidades.
- ▶ Destroys natural habitats and wildlife.
Destruye hábitats naturales y la vida silvestre.
- ▶ Raises costs for firefighting and rebuilding efforts.
Aumenta los costos para la lucha contra incendios y los esfuerzos de reconstrucción.



Other Climate Stressors Like Cold Freezes Otros factores que afectan del clima como heladas fuertes



- ▶ Damages crops and gardens, affecting food supply.
Daña cosechas y jardines, afectando el suministro de alimentos.
- ▶ Causes property damage, including broken windows and roofs.
Causa daños a la propiedad, incluyendo ventanas y techos rotos.
- ▶ Creates hazardous driving conditions, leading to accidents.
Crea condiciones de manejo peligrosas, lo que lleva a accidentes.
- ▶ Strains heating systems and increases energy bills.
Sobrecarga los sistemas de calefacción y aumenta los recibos de energía.
- ▶ Injures people and pets due to slipping on ice or hail.
Lesiona a personas y mascotas debido a resbalones en el hielo o granizo.
- ▶ Disrupts outdoor events and activities.
Interrumpe eventos y actividades al aire libre.

How Have These Impacts Affected You or Your Community and Businesses?

Use "post-it" to write in...

¿Cómo han afectado estos impactos a ti, a tu comunidad y a los negocios? Utiliza un "post-it" para anotarlo...



Drought Sequía

Share your experience:
Example: I struggle to water my agriculture fields in the summer.
Comparte tu experiencia:
Ejemplo: Me cuesta regar mi granja/rancho en el verano.

How did you overcome challenges?
Example: I changed my landscaping to use plants that need less water.
¿Cómo superaste estos desafíos?
Ejemplo: Cambié mi paisaje para usar plantas que necesitan menos agua.



Wildfire Incendios forestales

Share your experience:
Example: I experience asthma attacks during wildfires.
Comparte tu experiencia:
Ejemplo: Tengo ataques de asma durante los incendios forestales.

How did you overcome these challenges?
Example: Before going outdoors, I check the air quality in my community after wildfires.
¿Cómo superaste estos desafíos?
Ejemplo: Antes de salir, reviso la calidad del aire en mi comunidad después de los incendios.



Other Climate Stressors Like Cold Freezes Otros factores que afectan del clima como heladas fuertes

Share your experience: Example: My pipes burst.
Comparte tu experiencia: Ejemplo: Se me reventaron las tuberías.

How did you overcome these challenges?
Example: I changed my travel plans.
¿Cómo superaste estos desafíos?
Ejemplo: Cambié mis planes de viaje.

What Are Our Next Steps? ¿Cuáles son los siguientes pasos?



BE A PART OF THE REGION'S CLIMATE INITIATIVE

SE PARTE DE LA INICIATIVA CLIMÁTICA REGIONAL



Interested in having the fellows lead an educational meeting on what this project is about within your community? Scan the QR code to request a meeting!
¿Interesado en que los representantes dirijan una junta educativa sobre este proyecto dentro tu comunidad? ¡Escanea el código QR para solicitar una junta!

Help us spread the news about the project, follow us on Facebook and share the page with your family and friends!
¡Ayúdanos a compartir las noticias sobre el proyecto, sigúenos en Facebook y comparte la página con tus familiares y amigos!



@EPClimate



@iam_elpaso



@ElPasoTXGov



linkedin.com/company/the-city-of-el-paso-texas/

[EPClimate.org](https://epclimate.org)

GET INVOLVED! ¡INVOLÚCRATE!

Get involved! The overall project is anticipated to be complete by fall of 2025. There will be five community touchpoints where as a community member you can learn about the project progress and give us your input and feedback.

¡Involúcrate! Se anticipa que el proyecto estará completo para el otoño de 2025. Habrá cinco puntos de contacto comunitarios, donde como miembro de la comunidad, podrás conocer el progreso del proyecto y darnos tu opinión y comentarios.



SERIES 1	Completed Completado
SERIES 2	We are here! ¡Estamos aquí!
SERIES 3	Learn more about the regional greenhouse gas projections and reduction goals. During this session, we'll present the suggested greenhouse gas reduction targets for the future and what steps to reduce them. Aprende más sobre las proyecciones regionales de gases de efecto invernadero y los objetivos de reducción. Durante esta sesión, presentaremos las sugeridas sugerencias de reducción de gases de efecto invernadero para el futuro y cómo reducirlos para reducirlos.
SERIES 4	Join us to explore the proposed actions that the region will take to reach the greenhouse gas reduction goals. We'll discuss strategies for both reducing regional emissions and adapting to climate change. Únete a nosotros para explorar las acciones propuestas que la región tomará para alcanzar los objetivos de reducción de gases de efecto invernadero. Compartiremos estrategias para reducir los gases de efecto invernadero y adaptarnos al cambio climático.
SERIES 5	During this session, we'll offer a comprehensive overview of how each climate action could unfold, including the responsible implementation partners, timing of implementation, beneficiaries of each action, and more. We'll also discuss the expected outcomes for the region if all strategies are successfully implemented. Durante esta sesión, ofreceremos una visión general de cómo cada acción climática podría desarrollarse, incluyendo a los socios responsables de la implementación, el tiempo de implementación, los beneficiarios de cada acción y más. También presentaremos los resultados esperados para la región si todas las estrategias se implementan con éxito.



ENGLISH
SURVEY



ENCUESTA EN
ESPAÑOL

Know of someone who couldn't attend today's event? Have them take the survey (accessed through this QR code) to ensure everyone has an opportunity to provide input in the project!

¿Conoces a alguien que no pudo asistir al evento de hoy? Comparte la encuesta (a través de este código QR) para garantizar que todos tengan la oportunidad de aportar su opinión sobre el proyecto.

Open House Write-in Responses

Tables A-1, and A-2, include all responses attendees provided on the open house feedback boards.

A.1 Open House Write-in Responses for Open Ended Questions: How have these impacts affected you or your community and businesses? Share your experience: Extreme heat, heavy rains and flash floods, high winds and dust storms, drought, wildfire, or other climate stressors like cold freeze.

Extreme Heat

Share Your Experience:

- Electricity bills are high and my a/c unit can't keep up
- Bills are more costly – Too Hot Outside
- It's harder to exercise outside like cycling and hiking
- A/C gave out in Historic home, costly repair, long wait for repair all during the summer
- I get lightheaded if I spend too much time outside, I cant walk my dogs even at night because its still too hot at 8:30 p.m. Electric bills are high, even when driving it's extremely hot in my car.
- Wildfire struggles to cope with increasing temperatures. Costly home improvements and maintenance
- I can not go outdoors as often
- More frequent repairs to a/c system
- I love to garden (fruits & veggies) and it is becoming increasingly difficult to produce bountiful harvests.
- I like outdoor activities - gardening is one. But the high temperatures prohibit my outdoor activities
- Economic hardships to pay higher utility bills
- Our community lacks available resources to help the homeless community, lack of financial resources
- I can't run no more, my skin is extremely dry, my eyes are dry
- Too hot early in the day to exercise and walk with elderly parents
- Overuse of electricity, cars start to malfunction, slow internet

- Running in El Paso weather is a health hazard due to extreme heat
- Heat Exhaustion, dehydration, struggle to walk outside in summer
- El Paso didn't use to be so dry and hot, it used to be more green and with more water. Climate change has reduced our amount of rainfall. I remember we used to get a lot more snow.
- Need more trees for shade
- Si cada dia mas calor

Heavy Rains and Flash Flooding

Share Your Experience:

- I have been in a vehicle when a flash flood hit. I had to pull my friend out of the car. We both could have drowned.
- Road ways are not equipped to tolerate heavy rainfall causing hazards for drivers.
- Flash flooding washes out the park and open space near my home.
- More mosquitoes and their diseases
- I do a great deal of open work and flooding is destroying trail system
- Had to stay of one place without being able to move my car
- I don't pay flood insurance. I do pay more in water to keep up with lawn
- I live in a historic part of the county (San Elizario) and our valuable assets are being destroyed by flooding of the adobe buildings
- Poor home infrastructure
- Insurance costs have gone up
- Does flooding increase due to infrastructure issues?
- Si

High Winds and Dust Storms

Share Your Experience:

- I suffer from chronic allergies due to heavy gust pushing dust, pollen, etc. in the air
- I have asthma that is triggered by dust during high winds
- High winds have damaged my roof
- Poor air quality and low visibility makes me hesitant to leave my home. More frequent accidents during dust storms make driving dangerous.
- High winds have knocked over trees in neighborhood and ceiling tiles and allergies and child asthma
- Allergy Issues
- Allergies
- Allergies, low visibility, hard to go outside

- I grew up in Hobbs NM in the "Filthy Fifties" Sand storms high winds the entire decade. Not much change from now.
- Breathing problems/ health issues
- Plant more trees
- High winds and dust contributed to trouble breathing increased frustration over not being able to bicycle or run outside
- I feel unsafe walking outside with random objects flying around + distracted drivers that can't see where they're going.
- Claro que si. Mucos accidentes

Drought

Share Your Experience:

- Can't depend on regular rainfall in the summer monsoon season
- Anxiety over water shortages
- Vegetables and fruits expensive than ever.
- Can't water plants + lawn, to keep cool, enjoy yard w/ dogs + fam
- I water my beautiful grass in the morning and afternoon for 8 min. How will this affect/impact the cost of water usage? or how will this situation be address?
- My plants die, I see other plants struggle/dying including native plants
- si. Porque el recibo del agua aumenta mucho

Wildfire

Share Your Experience:

- My friend from Ruidoso's family lost property during the recent fires
- Unable to light campfires with my grandkids because of fire risk
- Transportation related emissions
- Pollution from ports of entry
- Ports of entry (other)
- Pollution from commercial transportation. I've suffered from increase in asthma due to higher pollution from more commercial transportation brought into our city!
- Commercial storage units need to stop being built. H's not helping our environment.
- Insurance premiums for properties are increasing food and accelerating
- Breathing in toxic polluted air.

Other Climate Stressors Like Cold Freezes

Share Your Experience:

- My house gets much colder, heat doesn't stay in
- Provide available resources for cold climates!!
- Can't go outside
- I had a pipe burst during a freeze.

A.2 Open House Write-in Responses for Open Ended Questions: How did you overcome the challenges caused by extreme heat, heavy rains and flash floods, high winds and dust storms, drought, wildfire, or other climate stressors like cold freeze?

Extreme Heat

We (I) overcame the challenge by...

- (Advocate) Drink more water, attend community meetings
- Exercise less do indoor gym activities
- Installed mini spritz in addition to refrigerated air
- Educate, Empower, Community Engagement
- I stayed inside longer. I drink more water. I need to spend more money on refrigeration. I use more AC.
- Shading in all public parking. Transportation for free.
- Planning to install a solar system in my home
- Exercising at a later time. Or when the sun hasn't raised.
- Control the thermostat, stay indoor/ shade
- I overcame high bills by putting on a white roof and 7 solar panels
- I run my errands and do my gardening in the morning and evenings. But mid days are to walk and enjoy nature.
- Learned to use ceiling fans and nest thermostat and water plants to reduce energy bill and keep home cool
- I brought another A/C unit to cool my house window and I close blinds to keep house cooler.
- Called my landlord to repair AC and stayed in basement for natural cooling
- Avoid direct sunlight and exposure by stepping out past sundown

- Planting more trees and making green corridors. Solarize schools and other buildings.
- Staying indoors most of the day in the summer
- We are considering implementing a large and expensive shade canopy (like at home improvement centers) my garden is 50 ft long so this will be costly
- Keeping my pets indoors, staying inside most of the day
- Not going outside/seeking shade. More shade trees would be nice, EVERYWHERE (such as Palo Verde & Mesquite)
- Increased electrolyte intake

Heavy Rains & Flash Flooding

We (I) overcame the challenge by...

- Installed drainage system in garage to prevent water damage
- Live on a hill
- Sandbags. Higher walls.
- I try to avoid drowning in the rain
- Avoid driving during heavy rainfall
- Avoid driving when it is probable to rain
- Allow people to collect rain water. Streets infrastructure development to redirect water to where is needed.
- Getting sandbags and becoming more weather aware since I live next to a flood channel.

High Winds & Dust Storms

We (I) overcame the challenge by...

- Taking medication and natural remedies to combat symptoms experienced by heavy winds and gusts
- Taking medication every day
- Allergy meds and inhaler = increased healthcare costs
- Try to avoid going outside during these storms
- Screen doors
- Limit driving as much as I can and wear a face mask
- Facemasks and increased weather sealing on doors and windows
- I don't drive in dust storms
- Light from phone/reflective strip, being extra careful at crosswalks/intersections
- Si por tanta alergia al polvo

Drought

We (I) overcame the challenge by...

- It's hard for a general population with no education on environmental effects of wildfire, I feel it's important to develop ways to educate others.
- I plant local, drought-friendly plants
- I have yet to experience these animals but I have heard there are problems + think there should be water reclamation center
- Have not overcome this
- I don't plant the "pretty" flowers any longer
- Planting native plants and reusing your water for vegetable garden.
- si. Ya que necesitamos ver observar plantas y flores para subir nuestro auto estima

Wildfire

We (I) overcame the challenge by...

- Prescribed burns are healthy
- Mass construction that is inherently fire resistant
- I do not go outside & purchase air purifiers if I smell wildfires or other forms of pollution are high
- Stay indoors, wear mask.
- Drugs (asthma)
- Si.

Other Climate Stressors Like Cold Freezes

We (I) overcame the challenge by...

- Staying at home changing my plans
- Insulate door frames and window frames
- I'm not from here but in Dallas it frequently froze + I know it snows here so I would say possibly educate parents + families in public meeting about safety precautions.
- Insulating windows in winter.

Bilingual Community Survey

Community members unable to attend the second series of open house events, were provided bilingual meeting materials and virtual meeting videos uploaded to the EPClimate.org along with a link to the surveys to provide their feedback on the same topics discussed at the open houses: focusing on the region's greenhouse gas inventory and extreme weather events. The Climate Action Plan survey was distributed via the following digital channels:

- Chihuahuan Desert Climate Collaborative Facebook Page
- City of El Paso Social Media Channels
- Chihuahuan Desert Climate Collaborative E-Newsletter

Altogether, the online survey received a total of 193 responses with 176 responding to the English survey and 17 responding to the Spanish survey. Table A-3, A-4, A-5, and A-6 show responses from the community to open ended questions on the English and Spanish surveys. Demographic response questions can be found at A-7, A-8, A-9, and A-10.

Survey Instrument

Thank you for your interest in participating in the second of five surveys for our Regional Climate Action Plan! This survey is focused on understanding the impact of climate change on our community. Your feedback is essential in helping us develop a comprehensive and effective plan to address the urgent challenges posed by climate change.

This survey will take 5 minutes to fill out and all questions are optional. Please fill this survey out by **December 1st**.

To learn how the feedback you provided in the first survey is being integrated in the Climate Action Plan, visit [EPClimate.org](https://epclimate.org)

1. *What is your email address?

2. *What is the zip code of your residence?

3. It is predicted that in the future:

- There will be almost three additional months of extremely hot days (over 100 F) each year.
- More days with extreme rainfall can increase flood risk.
- Droughts could become more common, with longer periods without rain.
- The number of days with high wildfire risk may increase by 29%.

Based on your personal experience, do you feel that:

It's hotter now than it was before?

☐ Yes

☐ No

Flash flooding happens more often now than before?

☐ Yes

☐ No

We have more drought now compared to before?

☐ Yes

☐ No

The risk of wildfires is higher now than it was in the past?

☐ Yes

☐ No

We're experiencing stronger or more frequent high winds and dust storms now than before?

☐ Yes

☐ No

Extreme cold events, like sudden freezes, are happening less often than they did before?

☐ Yes

☐ No

Extreme Heat

4. How has extreme heat affected you, your community or business? Share your experience. (Example: I struggle to pay utility bills in the summer)

[Write-in Response]

5. How did you overcome the challenges caused by extreme heat? (Example: We went to a cooling center)

[Write-in Response]

Heavy Rains and Flash Floods

6. How has heavy rains and flash flooding affected you, your community or business? Share your experience. (Example: I pay very high flood insurance)

[Write-in Response]

7. How did you overcome the challenges caused by heavy rains and flash flooding? (Example: I have sandbags to protect my home)

[Write-in Response]

High Winds and Dust Storms

8. How has high winds and dust storms affected you, your community or business? Share your experience. (Example: I struggle to walk/bike during dust storms)

[Write-in Response]

9. How did you overcome the challenges caused by high winds and dust storms? (Example: I have erected wind barriers on my property)

[Write-in Response]

Drought

10. How has drought affected you, your community or business? Share your experience. (Example: I struggle to water my farm in the summer)

[Write-in Response]

11. How did you overcome the challenges caused by drought? (Example: I changed my landscaping to use plants that need less water)

[Write-in Response]

Wildfire

12. How has wildfire affected you, your community or business? Share your experience. (Example: I experience asthma attacks during wildfires)

[Write-in Response]

13. How did you overcome the challenges caused by wildfire? (Example: Before going outdoors, I check air quality in my community after wildfire)

[Write-in Response]

Other Climate Stressors Like Cold Freezes

14. How has other climate stressors like cold freeze affected you, your community or business? Share your experience.

[Write-in Response]

15. How did you overcome the challenges caused by other climate stressors like cold freeze? (Example: I changed my travel plans)

[Write-in Response]

16. Which income range does your household income fall into? (Select the appropriate income bracket.)

- ☐ Less than \$10,000
- ☐ \$10,000 to \$14,999
- ☐ \$15,000 to \$19,999
- ☐ \$20,000 to \$24,999
- ☐ \$25,000 to \$29,999
- ☐ \$30,000 to \$34,999
- ☐ \$35,000 to \$39,999
- ☐ \$40,000 to \$44,999
- ☐ \$45,000 to \$49,999
- ☐ \$50,000 to \$59,999
- ☐ \$60,000 to \$74,999
- ☐ \$75,000 to \$99,999
- ☐ \$100,000 to \$124,999
- ☐ \$125,000 to \$149,999
- ☐ \$150,000 to \$199,999
- ☐ \$200,000 or more

17. Which gender do you identify with? (Select one)

- ☐ Male
- ☐ Female
- ☐ Other
- ☐ Prefer not to answer

18. Do you identify as Hispanic, Latino, or Spanish origin?

- ☐ Yes
- ☐ No
- ☐ Prefer not to answer

19. What race do you identify with? (Select one)

- ☐ White – Example: German, Irish, English, Italian, Lebanese, Egyptian, etc.

- ☐ Black or African American – Example: African American, Jamaican, Haitian, Nigerian, Ethiopian, Somali, etc.
- ☐ American Indian or Alaska Native – Example: Navajo Nation, Blackfeet Tribe, Mayan, Aztec, Native Village of Barrow, Nome Eskimo Community, etc.
- ☐ Asian – Example: Chinese, Filipino, Asian India, Vietnamese, Korean. Japanese, etc.
- ☐ Native Hawaiian or Other Pacific Islander - Example: Native Hawaiian, Samoan, Chamorro etc.
- ☐ Some other race
- ☐ Biracial
- ☐ Prefer not to answer

A.3 English Survey Responses to Open Ended Questions: How has extreme heat, heavy rains and flooding, high winds and dust storms, drought, wildfire and other climate stressors like cold freeze affected you, your community or business?

Extreme Heat

Share Your Experience:

- Financially
- Community wise I have seen the effect on our senior citizens. Especially those with no a/c and or can't afford paying their electric bill.
- I cannot do outdoor activities I enjoy
- I have to have my A/C on all day
- I am on immune suppressants and I can't be out in hot weather or poor quality air. Thus, I'm confined to my house more often. When I do go out I have to wear a mask and need to wear protective clothing from the sun.
- Its made it harder to sleep at night
- Electric bill is higher than usual during the summer.
- It just gets more hot, and the bills for keeping the air on increase.
- Higher bills, the sun burnt the stickers on the bumper in my car
- At work It is harder to supply water to the city and receive surface water, due to drought conditions over the last few years.
- Problems to supply water
- I pay high bills due to keeping the AC and heater on
- High bills, outdoor plants die, pets have a harder time being outside, harder to do activities outdoors and in home systems work harder to cool causing higher bills .
- I stay indoors more often
- It has affected me because the use of water and electricity goes up.
- We waste more gas having the AC on in the car.
- Bills are always fluctuating
- There is an increase in utility bill costs in el paso. For residents who rely on swamp coolers, the increase in temperature renders the swamp cooler useless because it doesn't provide enough cooling capabilities
- It hasn't
- I recently moved out, and am experiencing what paying bills and such is

like. Seeing that electric bill come and be worth over 100 dollars, for a single person in an apartment is crazy. The AC uses a great amount of power, and I do not expect the rising heat to help lower the bill.

- I am not able to my mural work in the summer anymore which makes an impact on my income. Also, I can't play with my grandchildren outside in the summer hardly ever.
- I stay indoors more often during extreme heat.
- Economically
- Higher cost of water and electric bill
- The electricity bill is really high and it becomes a burden not knowing how much you are going to pay.
- You can't really go outside to a park with friends in the middle of summer anymore, the heat is too harsh.
- My utility bill has skyrocketed by having to use the AC unit more often. This has made it more difficult to budget out for the month.
- Our house struggles with AC (swamp cooler) but refrigerated air is not an affordable option atm. High electricity and water bills.
- The electricity bill is too high, sometimes reaching \$300. We are only a 2 person household, and we limit the amount of light/air conditioning we use daily.
- Utility bills are high due to constant use of A/C
- Extreme heat means less time out and about
- Bills are higher
- The heat has become markedly extreme and one major change I have noticed is the inability for swamp coolers to keep housing cool. Many people have transitioned to refrigerating units.
- Yes
- I get sun burnt more often and cannot resist being outside for more than 30 mins
- High cost
- My utility bills increase significantly during the summer months due to air conditioning.
- Some community events had to be canceled because it was unsafe to host them outdoors.
- My business saw reduced customer foot traffic during heat waves.
- It gets extremely hot
- My electricity bill has increased and our AC unit is struggling to keep up with the heat.
- My utilities bills went higher

- My bills went extremely high
- My electric bill is higher.
- Water and electric bills are higher now
- Being over 65, my body doesn't respond as it once did to high heat. I've had to shelter in place during the triple digit afternoons in my house. I've also been seriously affected by the heat-producing air pollution and often cannot use my evaporative cooler unit due to the poor air quality outdoors.
- In my community extreme heat has affected people who can not take extremes climates or even see people faint because of the warm climate
- The extreme heat had impact on my life, because most of the time I am not available to go outside because of hot temperatures. For example my vacation I did not enjoy it at 100 percent because to be along of time outside with this heat it was so tired than it has to be .
- Extreme heat has affected me and my community personally by not allowing me to do things like even going on walks, or going outside for any sort of activities without Ewing uncomfortable by the heat— causes us to sweat more and even to be dehydrated. For my community for example I believe utility bills have risen over this summer and every summer per year since they are extreme heats we live in specially living in the desert.
- This summer was way more hot and I didn't like to go outside to the heat.
- This extreme heat has discouraged my family and I to leave our house during the summer and early autumn. Our water and Electric bill have increased dramatically and causes stress on my grandmother. I have also found that the heat has made us more irritable.
- During summer months, it's difficult to even go outside or run errands, particularly midday, where the heat is at its highest. It's uncomfortable because the heat is trapped in by buildings and made worse by radiating off of the black asphalt.
- This summer has been way more hotter and I could not go outside. Extreme heat affects what i am able to do during my day, certain outside activities or practices are harder to accomplish without fatigue because of the excessive heat.
- Extreme heat affects what i am able to do during my day, certain outside activities or practices are harder to accomplish without fatigue because of the excessive heat.
- Since I am lucky enough to be a student and live with my parents, I don't necessarily worry about the bills in the summer. Yet, now I find it harder to do outside activities with my friends, even getting into the pool feels exhausting under the sun. This is just one example if how I've notice changes in my day to day.
- In a manner, I believe it has altered the cycle of the seasons.

- It's made it hard to enjoy the outdoors in my area, teaching classes outside is never a possibility with the heat increasing.
- Extreme heat has affected me by always being hot and not wanting to do outside activities, also my dogs get really tired during hot days and their not used to this much heat.
- Extreme heat has affected me personally because I can't tolerate heat and when it is so hot I can't go out because i faint.
- It is difficult to cool buildings
- Utility prices are extremely high
- I love to be outdoors, but it's become dangerous.
- Higher electricity bills; higher water consumption.
- I struggle to grow fruits and vegetables.
- Utility bills are much higher during the summer. Blackouts happen more often too.
- It's too hot outside to do things during the day. Most outdoor activities happen early in the morning. Electricity bill is higher.
- It has definitely effect my community as my fur babies are always outside but it's definitely too hot out there for them.
- Even with AC, the heat is changing by a rapid amount. The change in temperatures is also leading to more illness.
- Makes it hard to do my daily activities.
- The prices go up for air conditioning
- Really hot and cant go outside
- Heat has affected my community by dehydration during practice outside in the summer.
- I struggle to get cold.
- I struggle to stay more hydrated during practice in the summer.
- Extreme heat has caused heat strokes in my community.
- Dehydration has been an issue. Where it brings mental health issues; mood, and physical activity.
- It can be overstimulating and raises utility bills that can be difficult to pay.
- It's hard to even walk to the car in the summer in El Paso.
- Extreme heat has made it very difficult and exhausting to do activities outside during the summer
- Harms my pets and has the possibility of causing health scares.
- I see more health issues due to the heat.
- Having to pay higher energy costs that I can't afford.

- It becomes difficult to do any outdoor activities during the hottest part of the day. Even picking up my kids from school is taxing. I would prefer to walk the couple blocks to pick up my son, but it's so hot, I always drive instead.
- I can no longer stay outside during the day. I can't plant the little veggie garden, it gets too hot and it dies. My electric bill is almost what it was BEFORE I had solar installed in 2020
- It has affected my health during daylight hours and has increased my usage of electricity and water
- It's just terribly hot outside so walking around campus feels ugly
- Kills my plants/trees
- We have longer periods of extreme heat than before.
- Affects allergies
- Can't go outside in summer
- Struggling to do outdoor activities
- Run a more efficient AC strategy
- People are staying home and running errands earlier in the day!
- Extreme heat has affected me in many ways that involve my physical and mental health being at stake.
- It affects my health and it's difficult to work outside.
- Extreme heat affects my physical and mental well being
- Turning on my AC is costing me more money. I can only work part time.
- We are use to very hot weather in El Paso
- The city replace my windows with Senior Weathering Program and electrical cost reduced by 25%. I'm adjusting to weather changes.
- We have had to change the dates of community activities to not fall in the heat of the summer.
- No problem, like hot weather
- Utility bills are higher because of extreme heat and extreme cold. Less and less activities are being held outdoors
- Higher utility bills, Higher repair and maintenance costs for air conditioning. Health issues due to heat and dehydration.
- Spend less time outside during the day.
- Everywhere, do not want to go out during the heat of the day, stay in and pay more for keeping places cool, and on and on
- N/A
- As always, those with less resources and income are the ones that suffer

the most.

- Hard to keep residence cooled effectively in summer, air conditioner runs more frequently requiring more maintenance, higher energy bills
- It reduces the time we spend outdoors.
- It's hot.
- Higher utility bills. Inability to go outside and exercise during most of the day due to high temperatures
- About 20 % Increase in expenditure.
- More than the bills..what worries me is that trees are dying..and we don't do nothing about it....city needs urgently promote planting desert trees to help earth cool off a little bit
- I have been unable to spend time outside most of the year due to extreme heat. This has affected my mental health leading to depression and anxiety.
- Utility bills are high
- Water bills are higher
- Dehydration while walking in school or by getting in the car
- N/A
- Utility bills
- Not at all
- N/A
- The heat affects working out in the bike share
- Struggling with health wit the heat
- High electric bill stay cool
- My electric bill has not changed significantly even with an EV added. I practice easy energy practices close shades and blinds, use fans more charge vehicle at night. frequently.
- It mostly involves my pets and how most of them need their water refilled every day because of how much they drink
- Climate change is a hoax!! You're a bunch of communist idiots!!
- It is hard to enjoy the outdoors in the summer...
- Water bills are higher now and also electric bills are higher.
- Electric bill has gone up due to more cooling required.
- A/C bills
- Barely survived this summer with a cheap little portable room cooler. Next year will definitely be extremely intolerable thanks to the rampant, continued contribution of 100% human wasteful consumption that

flourishes and thrives in a toxic environment of pollution and disposable waste products that ultimately lead up to increased global warming temperatures; that further melt glaciers and reduce the ozone layer with each passing year. If nothing is done soon, humans may as a species may be forced to evolve characteristics of similar desert animal life to adjust and cope with unbearable solar living conditions.

- High utilities
- Bills, like weather, are cyclical.
- I can't walk my dogs for longer periods of time, when we do go on walks we have to breathe in fumes from people idling in their cars to beat the heat, my vegetable garden struggles and is limited, the increased fires affect the air quality and where we can hike in cooler weather in the summer, and it's really sad and disheartening to see both neighborhood trees and desert plants dying from the heat and lack of rain.
- Summer electric bills are extremely unreasonable and unaffordable.
- My child doesn't really like playing outside or going for walks when it's too hot.
- I have to get up very early to get my morning walk before it gets too warm.
- I particularly notice the impact of drought in the residential backyard. Plants wilt faster, or even die when they shouldn't, and upkeep and watering is more challenging than in it was just a few years ago.
- Have to limit outdoor time. Home garden struggles.
- It gets hot but its important to plan and prepare for extreme hot days.
- The heat is now causing more burning of my plants and gardens. My water bill is horrible now but I am trying to grow healthy food for myself and my family.
- It's affected by not being able or must say want to have outdoor activities. It's too hot even a night time. AC in home is running fir longer periods of time (set on auto).
- Keeps me inside more. I like going outside, but it's too hot for outdoor activities.
- To hot to work
- I struggle to pay utility bills in the summer
- Electric bill higher every year
- Being outside becomes unpleasant
- My electric and water bill was higher.
- People that I know have experienced heat related illnesses more than ever.
- El Paso has always been hot, is hot, and will always be hot. My bills are

only higher because of the increase in utility rates, not because it is hotter than before.

- Higher bills costs.
- No effect
- I struggle to go outside and do physical activities that once made me feel better.
- Increased electricity bills; Health: increased chronic pain; increased watering of plants
- Certain times of day have become unbearable due to the heat, similar to Phoenix, people have to plan for the heat during the summer months.
- It hasn't. Humans have no impact on climate whatsoever.
- It makes it hard to want to have outdoor time, even though its good for us healthwise
- The electric company hikes up prices
- Extreme heat makes hard to maintain good quality of health of residential trees and higher demand on water to ensure survivability of native and or adaptive vegetation during heat waves
- Higher utility bills, Harder to work and play outside.
- I struggle with light bills since the AC is always turned on.
- Summer 2024 had the least amount of days over 100 degrees in decades.
- No effect.
- Higher utility bills, can't be out too much Sunburn. allergies.

Heavy Rains and Flash Flooding

Share Your Experience:

- My house gets bad
- It doesn't really flood in my area
- I have muddy terrain around my house
- I had to add flooding insurance even if we dont get rain.
- Not at all
- Destroys some of the roads.
- My streets get flooded
- N/A
- It has made it harder for some people in the community. It has washed my landscape a few times.
- I had some food damage
- I have not experienced floods recently

- Look for driving routes that are not impacted, my homes foundation seems to sink with every heavy flash flood.
- Damage to property
- N/A
- We don't really get that much rain.
- Had to fix car due to water damages
- I only had 1 situation with heavy rain
- No floods around my work area.
- It has not
- Luckily I have not been affected by this, but these heavy rains still pose a threat to drivers on the roads that flood due to poor storm water drainage systems.
- N/A
- It has not affected me
- It has not affected me yet.
- Not much, I live in higher grounds.
- My home insurance has gone up in price.
- Ive gotten in a couple of car accidents caused by streets completely flooding.
- I've had to replace my roof due to more heavy rainfall and flash floods. The heavy rainfall has also caused flooding in my yard, which has caused damage to my lawn and landscaping.
- N/A
- The area I live in thankfully doesn't suffer from severe flash floods, but the areas I drive in to get to work/school do. This makes my daily commute difficult and scary.
- Floods in Juarez are more prevalent
- Heavy rainfall floods the streets
- N/A
- Heavy rains exacerbate the already deteriorated, and poorly maintained streets.
- Yes
- It's difficult to navigate the roads and streets after a heavy rain. The pipe systems are not very efficient causing crashes at peak traffic time
- High energy cost
- Streets in our neighborhood flood regularly, making it hard to commute. I had to pay for costly flood damage repairs to my home/business. Some crops in the local farms were lost due to waterlogging.
- N/A
- There is always a sinkhole in my neighborhood.
- My house got water damage
- A lot of street sinkhole
- O don't know cuz I don't live in a place that gets flooded.
- N/A
- My basement easily floods. I have to be on constant alert to take measures as needed and don't feel free to leave town for vacations or trips.
- With heavy rains it is hard sometimes to get on time to-work, sports, or school because of the traffic.

- Because of flash flooding I cannot go to the street or drive my car, because of the dangers of all the destructive that cause the rain and the flash flooding, that we had to maintain on house .
- Heavy rains and flash flooding has affected me and my community by causing multiple accidents like even car crashes and making businesses sometimes flood inside because of damages the rain caused i the infrastructure of the building.
- The rain floods have now become common, there isn't a time where i go on my way to school without cars splashing tons of the water that has flooded.
- I think this has caused our vegetation specifically on the mountains to die.
- I live in the UTEP area, and flooding is often severe on Mesa St., and it's difficult to get around when we experience rain.
- Heavy rains have affected my trajectory from my house to school. I live and Juárez, and attend school at El Paso, heavy rains cause traffic, long lines at the border and accidents.
- With flash flooding my family and I are forced to stay inside and unable to go on the roads. Additionally, having a pool like many places in the regions when rain hits my backyard floods.
- I live in the mountains, so flash floods are very noticeable. There was one not too long ago that flooded my street and I could see the water gushing down the mountain just past my house.
- Although I don't live somewhere where flood are common, I believe I've been a witness of the horrors a flood can create.
- It hasn't happened in quite some time. I believe 2006 was the last time we were really hit by flooding.
- When it rains it floods all of the city so I can't go out and drive.
- When it rains the whole city floods and it makes it impossible to drive in the roads.
- N/A
- N/A
- I get leaks in the house and my patio floods.
- Have to clean the yards more often; have had to buy new plants to plant after every flooding event
- Haven't been affected.
- Our old office would flood through the front door, sometimes water comes in through the windows.
- I have to drive almost 30 minutes to the church i attend so getting there in extrem weather was definitely a challenge
- We have a garden, and the heavy rain can change the amount of water/affect the garden even with a slight change.
- N/A
- Other people suffer and affects everyone's community.
- N/A
- It affects my community in Juarez because if the car is to low you can't drive it without damage.
- Not by much
- Flash floods has affected my home because the water starts seeping into my home and ruins the wood.

- Heavy rains have affected my community by giving us power outages
- Difficulty driving at times and car damage.
- I was driving to a concert during a flash flood.
- I have experienced water damage to my house
- Car damage
- It hasn't really
- N/A
- N/A
- I do not live in a flood zone. I don't pay flood insurance. However, when it does flood in El Paso it makes it impossible to get around the city. I once had a car totaled when I lived on the east side because of flash flooding.
- Dangerous puddles on the roads has increased the risk for drivers
- Just feeling like I cannot drive safely.
- Flooding the streets
- Not personally, but I know some who has suffered from it.
- Community
- No
- We don't have much of it.
- Just had to add more gravel to my washed out landscaping
- It causing more expensive to repair damages.
- I have noticed the effect it has on people of lesser fortune, not able to safely live where they want to without the risk of bad weather.
- My car's electrical system don't work anymore.
- None
- Fortunately, El Paso has storm drainage.
- What rainfall?
- We've been in an extreme drought so it hasn't affected our area.
- N/A
- I, specifically my block and perhaps a couple of surrounding blocks, have gotten no significant rain.
- It has not personally, except work
- N/A
- Personally, it has not affected me. I don't think it's affected my community, either.
- Leaks of water into my home and my workplace cause anxiety and damage and take my time and energy and cause stress during rainy weather.
- Have to worry about the apartment flooding.
- My street floods.
- Not directly, but I have seen it in my community where neighbors have to deal with flooding.
- It hardly rains here in El Paso hence, I haven't experienced heavy rains nor flash flooding in my area.
- As it doesn't rain a lot in El Paso...community needs more education on this matter it is ridiculous that crashes increment with some rain falls...community must educate on precautions when driving and rainy days come.
- I was driving as part of my work on the day of a flash flood. It took hours longer than expected due to having to stop at times, reroute, and/or drive

very slowly, and I was a few hours late getting home. Thankfully we were safe.

- I have not experienced them in my area.
- N/A
- Damaged my car
- It's affected our friends
- N/A
- No
- Neighborhood floods
- Car pro
- Not been effected
- Downtown streets in EP do not have drains never seen a city without storm drains before. We should get busy with that.
- Where I live it rarely rains and when it does it lasts maybe 10 minutes
- Climate change is a hoax!! You're a bunch of communist idiots!!
- This city isn't equipped for heavy rains and flooding.
- I pay high flood insurance.
- Are you kidding? I wish we had heavy rain! While El Paso has had over 3 inches this year, Horizon City has had under 2 inches.
- N/A
- I have photo and video documentation on my phone of recent flood stage rainfall that has entered and done quite a bit of damage to our residential property at 3100 Nashville Ave. Just today we went to grab some more sandbags from the Stormwater facility on Fred Wilson. We desperately need a concrete wall built on the northwest corner of the property to prevent fast rising flood waters from continued penetration into the property. We have presented our evidence to the water company and as far as we can tell, they have "assured" us that a wall "should" be built in the meantime to help hold back flood waters from entering the home. As of the date of this comment (10/18/24), no such action has yet to be taken.
- Piedras very dangerous during heavy rains, had to find alternate routes home.
- In the 1980s, El Paso encouraged residents to switch to rock gardens by offering incentives and now officials of El Paso blame flash flooding and runoffs to climate change. That is laughable.
- We learn about leaks in our roof when it rains, our trash bins have been swept down the street by water, and our slightly below ground level garage/shed has flooded, but we're very fortunate to be ok where we are.
- N/A
- Nothing I can think of at the moment.
- Luckily we're not living in a flood zone, rather a run-off zone. We witness the impact mostly through street closures.
- Not much rain this year.
- I use flash flood water to water my gardens with rain collection.
- No issues with heavy rain.
- Don't know if it's safe to drive anywhere.
- Hasn't
- I had to get a truck

- No affect
- There is hardly any flash flooding in my area.
- The roads after the flooding are in bad shape. Higher car/home insurance.
- Living in a flood plain has its challenges, and the City of El Paso government is one such problem. The flood of 2006 revealed the City's poor planning for such an event. As a result, flood insurance has trippled and water bills include a charge for storm water "remediation". For those of us living in what El Paso designates as self ponding neighborhoods, we have no storm drains, pay extra in flood insurance, and have neighbors who violate the ordinance but are not held accountable. In fact, the City of El Paso provides permits for work on these homes that violates the ponding ordinance. That is how it has affected me.
- Had to find alternative routes. Even costs to vehicle
- No effect
- During heavy rains we have to stay home due to flash floods.
- N/A
- Damaged streets, flooding on I-10, debris washing down from the mountain into the city, mosquitoes.
- Well actually most flooding in our area is caused by greedy developers who insist on building houses on natural flood zones causing mountain run-off to flood neighborhoods rsther than draining intobthe rio grande as NATURE intended. It's not a climate issue.
- Not at all
- Very little rain on the far East El Paso.
- Roads destroyed, more mosquitoes.
- I pay flood insurance.
- There hasn't been a flash flood since 2006.
- No effect.
- I had to installed water drains or the water wood food my house.

High Winds and Dust Storms

Share Your Experience:

- Allergies
- More insurance claims for roofs. Unfortunately, insurance companies are starting toto deny the claims.
- I developed an eye infection as well as a respiratory infection during the last dust storm.
- My neighbors and I get allergies.
- I can't be out in wi day days. I need to wear a mask more often. Say, this extreme weather has caused me to develop asthma. Now I need an inhaler.
- I struggle to walk during dust storms.
- Allergies become really bad.
- High winds bring a lot of trash onto the roads and stuff.
- The wind hits really strong where I live we just bring everything inside and leave nothing outside

- Around my area over the last few years the winds are high and knock down AC units and a roof tops.
- Roof damage.
- High winds damage my plants.
- High winds have caused many accidents due to low and sudden drop in visibility for drivers. I've personally seen roofs lose tile, debris scattered from blowing onto streets, neighborhood trash cans blow over and contents spread around, neighbors trampolines get carried up and tossed over by high winds. My health has been impacted by increased respiratory illness, allergies and asthma. Sporadic power outages due to downed power lines or fallen trees.
- I stay indoors and limit outdoor activity.
- It is a struggle to walk outside.
- N/A
- Weather was challenging to deal with while trying to commute to school on bus.
- It affected the clean air in our community as well as visibility during driving in the city. It also caused residents to stay inside until visibility improved.
- No issues
- N/A
- I ride a motorcycle often. When the wind picks up, it turns the nice experience into a game of survival. Specially when the sand picks up. Poor visibility, poor handling, and even worse: poor drivers out on the road.
- My family is challenged to go outside when there are dust storms and sometimes I can't drive.
- Dust storms lower visibility.
- I have asthma and allergies so it can make it harder to breathe and go outside.
- Had to replace some shingles (cost money).
- My roof leaks because the pipe outside moves due to high winds.
- I personally like sand/dust storms, I find them calming.
- My allergies flare up more during dust storms and also prevent me from going on bike rides.
- High winds have damaged house windows (making it difficult to keep cooling and heating insulated) and roof shingles leading to rain water damage.
- I struggled to keep my backyard door closed even though it's metal and is quite heavy, causing my dogs to run out multiple times.
- N/A
- Yes, I struggle with sinus infection when high winds and dust storms happen.
- N/A
- Has not affected me personally, but many people in my community use bikes as a mode of transportation, and I see the effects of extreme weather patterns on their ability to commute.
- Yes
- I struggle to go to my soccer practices due to the strong dust winds. I often get allergies and have to stay at home.
- Energy cost
- Dust storms reduce visibility, making it dangerous to drive or bike.

- Strong winds damaged roofs, outdoor furniture, and signage for businesses.
- Dust particles caused respiratory issues for some community members.
- Gets dangerous for animal
- I struggle with severe allergies from the winds and dust storms.
- I am unable to go out with my kids for a walk
- Unable to walk my dog outside
- I struggle specially when I go walking to pick up my son to school.
- I am unable to keep my doors open in morning and evening hours because of the severely polluted air
- I have respiratory issues that have been greatly accerbated by the wind propelled dust. It becomes difficult to breath inside my residence.
- It is not nice to go to my brother's game with heavy winds. the dust is normally getting on my eyes or I get sick.
- The High winds had affected on a way that I could not be outside also as same for the flash flooding. The car moves a lot and is so dangerous to be outside. A lot of things had fall into cars o on the street that going outside is a dangerous step so we always stay on home.
- High winds and dust storms have also affected me and my commun9ty by causing traffic and causing a lot of automvilistic accidents. Personally it didn't allow me to do outsid activities I enjoy like running and walking because the wind and dust got in my eyes and made me uncomfortable overall.
- Sometimes when I am on the freeway, i can't see anything because of dust storms. It gets sometimes really bad that it is dangerous to keep driving there at such speed.
- This has made my asthma flare up. Community wise i think this discourages the community to go outdoors.
- I have asthma, and it's challenging to participate in school sports when dust levels are high. It's also challenging to see/drive.
- High winds and sandstorms has brought a lot of debris on streets and in my own home and traffic.
- I struggle to drive during windstorms and worry about our the houses being on mountains and trees that can fall.
- Living in the mountain, I feel the wind storms in my windows and even get scared at times. It takes my wanting to go outside away.
- They've increased the probability of objects flying through the wind and striking someone/something.
- Not allowing schools to hold out door activities in the spring season
- When there is a dust storms is really hard for me to go outside because i get allergies and i swell up.
- N/A
- Allergies
- The dust storms and high winds affect my health. My throat gets dry and scratchy, I scratched my eyes so hard that I popped an eye vessel once, and everything inside and out gets super dusty and I'm allergic to dust, so I start coughing more, which worsens my throat.
- Higher allergies; the kids are not allowed to do PE outside at school;
- Dust erosion, allergies
- I struggle with visibility when driving during dust storms.

- We get lots of trash blown into our yard (not to mention missing trash bins/sometimes we have extra trash bins that blew over). Sometimes visibility while driving is an issue.
- I struggle to walk during school hours as it's hard to see with the wind constantly blowing.
- Majority of my family has allergies or sensitivities, and the.
- As a highschool student we have transition periods, during those periods... as I walk the wind tries to kidnap me and take me with it without my consent. That's how BAD it is.
- It made our trampoline fly away and it hit our neighbors window.
- I get dragged by the wind.
- High winds has affected me by when I am walking in transition time at school my hair gets messy and I almost fly away.
- Dust goes into my eyes
- Dust storms have affected me and my school by affecting our transitions in between classes because dust gets in our eyes.
- High Winds affected my community by giving damage to our buildings.
- I have developed allergies.
- N/A
- My brother has asthma and these storms could do a number on his lungs.
- It is difficult to go for a simple walk.
- N/A
- I get worse allergies
- Asthma, Very poor visibility, Allergies, property damage
- I avoid outdoor activities, which are a big part of my physical wellness.
- The high winds have damaged my roof.
- Increased health affects such as respiratory illnesses due to the dust in the air and low air quality.
- I wear contacts and have sensitive eyes so the dust affects my eyes
- Air quality while being outside...breathing and driving is bad.
- Now I have sufferes from high wind damage , like torn roof auto damage.
- Personal allergies
- Dust everywhere
- Difficulty driving
- I had to replace my flags more often
- Allergies and roofs have to be replace.
- Dust storms have severely affected myself in the sense that I get allergic reactions to them, it hinders my ability to work and be a productive member of society.
- Couldn't go outside
- None
- The roof came off of apartments nextdoor from strong winds.
- High winds have broken out my windows on occasion
- The wind a are about the same
- There's always a foot of fine dirt all over my patio that's caused by the high winds. They dust choked the plants. No outdoor activities can be held during this time and it was often.
- Allergies make it almost impossible for my kids to play outdoors.

- More allergy days. Plants in garden suffer and get dry.
- I have contracted Sinusitis, have never had it before.
- N/A
- I actually LOVE high winds and dust storms. We've always had high wind and dust storms in El Paso, so nothing has changed.
- Dust storms increase my allergy and sinus problems and make me spend more time inside. The winds can get so high that they affect my balance and I am afraid I will fall over in high winds.
- It makes it difficult to drive and higher water use to clean up after storms.
- Wind is annoying.
- Inability to do outdoor activities
- Only affect visibility on few occasions which make movement difficult.
- My mom has a camper and a window shattered on her camper during high winds.
- It is harder to drive.
- Struggle with flying roof shingles
- N/A
- I struggle with my plants
- Asthma
- N/A
- I don't go out when it's windy
- Don't go outside and health problems
- Stay indoor
- Dirt and debris in trees streets etc is unsightly
- I live in a small mobile home so the winds definitely blows away pieces of the house
- Climate change is a hoax!! You're a bunch of communist idiots!!
- Can't exercise or go out during these storms due to bad allergies.
- We need to change our a/c systems filter more often and we have a lot of dust in the house
- I wear a covid mask when I am playing golf because of the dust. I also stay inside more. The good part is that all the trash in my yard blows away. I hope it ends up in Austin.
- Roof and shingle repairs
- High winds are a natural occurrence given the geography of our city. If you live further out in the flat lying areas you're more likely to see rain or other wet events. Garbage pickup day is the absolute worst when there high winds. Basically everyone's trash is all over the place. And naturally no one will come pick up their own grey or blue bin waste.
- Stuck inside. Dust is bad for partners asthma
- Anyone who has grown up in El Paso knows that there is a windy season. Gusty always brings Dusty. Now with increased construction, which in itself is dusty, it has increased the dusty portion of Gusty and Dusty.
- I have very old windows and an evaporative cooler so the air quality even in my house is bad during sandstorms. I like to bike commute as well as exercise outside, but sometimes the air quality makes that difficult. I also need to make sure that everything outside of my house is secure during high wind events.

- Dust storms have had an impact on our allergies. Additionally they increase indoor dust.
- I struggle to travel (walk, even drive in some instances) during dust storms.
- One of the shutters on my upstairs window has been blown loose.
- Dust storms are a common occurrence in Spring, they seem not to have become more of a problem recently - in my area.
- Winds are the biggest threat. Really we are safer than most regions of the US to severe weather.
- By blowing my fruit off my trees at home and blowing trash all over town. The dust also causes my allergies to go crazy and I usually have to go to the Dr. and get medication.
- It's horrible trying to do anything outdoors with all the dust and heat.
- Hasn't
- High winds cause damages to surrounding area, making it difficult to navigate
- No affect
- I used to have nice green grass in my backyard however, it is dead because of the winds. My holiday or any decorations i have in the front yard area gets blown away.
- Breathing and health related issues
- Allergies and dirty cars are the biggest issue. Stay in on windy days and use a blower to clean afterward.
- Health such as allergies
- Breathing issues with high dust storms
- They have triggered me to get sick regularly now.
- Fence down at backyard
- Poor visibility on the highway, trash flying into backyard, poor air quality.
- ACCURATE statistics ahow that heavy winds are not any worse now than were decades or even centuries ago.
- N/A
- Regular wind damage on home, damage to trees, more dust, public health risk
- Allergies, low visibility while driving, hard to go outside to play and work.
- I struggle to play soccer outside
- We had very few high winds and dust storms this year.
- No effect.
- Big time Allergies. My kids have suffered Asthma attacks n have been under doctors care. We stay home n we don't open doors or windows. Can't breathe well.I make sure my windows are well Allergies, asthma having to stay inside not being able to go no where.

Drought

Share Your Experience:

- No water

- It's difficult to keep the lawn on our compound
- Hotter days for my pets
- Limited watering my grass. Considering changing my landscape to rock.
- Not at all
- Grass and plants don't grow.
- Not sure
- N/A
- It is harder to water plants and trees also much more expensive.
- No
- Its harder to keep my grass green
- Drought has claimed several outdoor plants and trees around my home and my community.
- Landscaping became difficult
- N/A
- Plants outside my house get dryer.
- Drought was actively an issue but it did not directly affect me
- No problem personally, but I know a couple farmers around my area that definitely struggle with this.
- N/A
- I have not been directly impacted by drought, but I do know it makes water more efficient expensive in the long run.
- My goal is to grow vegetables and I have been unable to.
- Everything in the environment is drying than it was before.
- Economically, has an impact on food.
- Hasn't directly impacted
- Had to install artificial grass because grass doesn't grow due to heat and drought.
- The harsh heat isnt quelled by rain, which killed a few of my plants
- I have had to use more water to water my plants and grass in my backyard. This results in higher water bill.
- Not greenery will grow in our yard.
- It has not
- N/A
- The landscape has been affected by grass drying out; Watering more leading to higher water bills
- N/A
- Yes
- We struggle to keep our front and back yard green thoroughout the year.
- High Water costs
- Water restrictions made it difficult to maintain landscaping and agriculture. The community park's grass turned brown and unwelcoming.
- Business operations relying on water, like laundromats or car washes, saw decreased efficiency.
- N/A
- I struggle to keep my garden watered throughout the season.
- I am unable to plant my fruit plants
- A lot of animals are passing because of the drought

- N/A
- It's a financial strain to keep my lawn green and watered
- The drought caused a huge increase in the airborne dust this year. The dust is unbearable. I struggle to water my yard.
- My skin also gets affected with drought. I get more acne.
- Well most of the time the drought had cause water restrictions that made it difficult to maintain gardens and green spaces .
- Drough has affected me and my community by not allowing us to have the rich vegetation like we used to in past years, and making it harder to have fresh abundance of those products.
- Drought hasn't affected me personally, but i can see on the news how badly it affects framing.
- It brings animals into the city causing more animal related accidents.
- My community gets extremely dry in the summer months and I warn my family to stay hydrated and be careful of water intake. I also limit the size of my household garden.
- Drought has affected my water pressure at home.
- The drought causes flooding that effects the flooding and damage to my house.
- Facing droughts, I don't feel a personal impact on my day to day life. Yet, I see it in my plants were there hasn't been any rainfall, my dad spends a long time watering them.
- I haven't witnessed one. However, I believe it may affect the efficiency of agriculture.
- Made it very hard to sustain a home garden.
- Reduced water to shower
- I struggle to water my plants
- N/A
- N/A
- I see more wildlife coming down from the mountain and they're starting to stay down because of lack of food and water. El Paso is very dry and it's hard to keep the drought resistant landscape alive in my house.
- Restrictions
- Struggling to water my plants,crops,and trees.
- My plants rarely survive the summer.
- We live in the desert where water is already scarce.
- It has effected me trying to plant anything new in my garden as it makes my plants die faster
- We always have extra water for this purpose.
- I struggle to water my lawn
- We struggled to water our plants
- I have a farm and it dies
- Drought has affected me by making my city hotter.
- Not by much
- Drought has affected my community by killing all the plants in my grandmas yard.
- A drought have affected me by giving me less water in the summer
- Sometimes there is no enough pressure or water supply where I live

- N/A
- N/A
- N/A
- I struggle to water my plants and yard as there is a lack of water
- it hasn't
- N/A
- Our plants struggled, and watering bills are too high to support grass lawns.
- Our plants struggled, and watering bills are too high to support grass lawns.
- I can't adequately water the stop lanes and trees. Also, I do not plant new plants.
- I have not been affected directly
- Not sure
- It really affects my plants. It is very hard to keep plants and trees alive.
- it takes more water to grow food even to grow my lawn, depressing.
- Grass will not grow
- Ridiculously high water bill
- More fires
- Did not affect anyone I know
- High water bills!
- Drought has not affected me so much.
- Difficult growing vegetables
- N/A
- None
- Lakes and water table is lower. Need more conservation.
- We did ok except for the desert vegetation and wildlife they struggle
- My water bill was very high because of the drought. I lost many plants due to the drought.
- Higher water bills and inability to keep plants for shade alive
- Try to conserve water yet want to have thriving plants in garden.
- We waste more water on plantings and trees. WE NEED LESS CONCRETE!!! EVERYWHERE, MANDATED BY BUILDING CODES
- N/A
- I BELIEVE we have not been affected in my community and city. At least I have not been affected personally.
- During drought periods, more insects and pests enter my home and workplace seeking water.
- The drought has not affected us directly yet but I see yards around us that have been clearly impacted from the lack of rain.
- Higher water bill to keep existing vegetation
- Loss of crops as a result of extreme heat, high evapotranspiration, and limited rainfall, dry Rio Grande River.
- Our trees are disappearing....I was looking into a documental of Japan and it was amazing to see how they preserve trees and greens....we should promote trees as life
- My garden is very sad. Very few plants can survive. My neighborhood is ugly (a lot of gravel and concrete, few plants). Few birds come to my bird feeders except doves and sparrows.
- I have no struggles

- N/A
- Struggle with agriculture
- The summer was extremely hot
- Not sure
- N/A
- Need rain for farm
- Don't plant trees
- Not effected
- More dead plants and trees in EPTX
- I struggle with taking a shower or refilling the water bowls for my pets
- Climate change is a hoax!! You're a bunch of communist idiots!!
- All our plants, grass and trees need water constantly.
- Higher water bills
- This issue is one of the big ones because a UTEP research study indicated that El Paso will run out of water in 20 to 40 years.
- N/A
- Droughts mainly affect the agriculture industry when it comes to the rest of the world. If you have tasks pending that require a bit of rain dance or its just been a hot minute without any rainfall, then your best bet is to just keep watching the local weatherman for updates. I normally check up on the national weather service website for weekly weather forecasting. As far as droughts are concerned, try asking your local government to super seed clouds with salt, no actually don't that's been proven to be dangerous. Droughts just happen, nobody likes it when they are long extended periods, but I think they are a test from nature, to see if we eventually hopefully deserve some rain fall relief. Though I have heard odd stories of individuals using wifi signals to manipulate cloud cover along the coast and inland.
- People learn to adapt to times of drought. El Paso is no different. Don't like drought? Move to Seattle.
- I can pay for the water I need, but it's very sad to watch the desert plants die due to the heat and lack of rain.
- Water lawn and landscaping is becoming cost prohibitive! Bills are extremely expensive!
- I struggle to keep any plants properly cared for in the summer.
- Gardening is a hobby; I plant draught-tolerant plants.
- '-see heat-
- Yes, it has affected vegetation.
- My water bill is higher and the canal is only opened up once for those who have access and that is an issue especial if they are trying to grow their own food.
- Produce prices have gone up.
- To dry
- My water bill has increased
- No affect
- I don't water my yards because the water bill would be high.
- Drought? Every day is a drought in El Paso. We live in a dessert and a dry climate.
- N/A

- No effect. I landscaped my home to low to no water plantations.
- It has affected my plants and vegetables. They die now in the summer months and don't come back.
- Environmental concern/anxiety
- Hotter temperatures
- I water my lawn more. Droughts are naturally occurring weather events.
- N/A
- Less rainfall in Far east
- N/A
- I struggle to do outdoor activities outside
- Not affected
- No effect.
- My grass suffers n my plants also. It's sad to see our city starting to look so beautiful N have to limit our water because we are been charge more each month.

Wildfire

Share Your Experience:

- N/A
- Wildfires are not common in my area
- N/A
- Developed asthma. Now on inhaler.
- Not at all
- N/A
- Not sure
- N/A
- There has just been more fires in the surrounding areas. Now my allergies and asthma are more prone to happening.
- No
- I have not been affected.
- Wildfire has affected air quality so then I have more respiratory illness. Depending on the proximity of the wildfire, I also don't travel due to impacts occurring in desireable leasure areas in close proximity to the community.
- N/A
- N/A
- N/A
- It did not affect me directly but it did affect neighboring cities like Ruidoso
- N/A
- N/A
- Have not been affected.
- My husband's asthma is challenged.
- Visibility is decreased from the smoke during wildfires.
- Asthma, wildfire makes it difficult to breathe and replenish burned forest.
- Ruidoso fires affected us emotionally
- n/a

- I've been personally unaffected.
- Air quality
- N/A
- My family lives in the area where are the wildfires are happening, so we had to constantly stay in contact with them worrying about their safety.
- N/A
- N/A
- N/A
- Yes
- It really has not
- Health issues
- • Thick smoke caused asthma and breathing problems, affecting community health. A nearby wildfire forced evacuation and temporary closure of local businesses. Insurance premiums increased due to high wildfire risks.
- N/A
- I experience trouble breathing from smoke from wildfires.
- I developed chest issues such as congestion, cough and phlegm
- Businesses having to close down affecting their pockets
- Some times we used facemask. And I encourage my son for not going outside.
- Allergies have increased
- I have had some days with issues of breathing and needing to shut the house and turn off my cooler.
- I havent had any experience but for example in ruidoso the forest is not as nice and animals are not comfortable.
- Wildfire had affected air quality in my area leading to respiratory issues, it makes me sick.
- Wildfires have not yet affected my community but have affected places like Ruidoso by making that community suffer in many ways.
- It hasn't affected me personally
- Our local Forrest has burned down making travel harder.
- We do not have enough vegetation to be affected by wildfires.
- Wildfire has affected my house at Ruidoso
- Wildfires have not effected me personally but effect Ruidoso where my family and friends live.
- I have never experienced a wildfire in El Paso. I lived in San Francisco when I was younger and they were definitely very common then. I remember not going outside for PE for almost a month.
- Although I haven't witnessed one, I've seen people loose their homes and families due to wildfires.
- Not El Paso directly but the NM area
- I start to panic
- Shortness of breath
- Wildfire has not really affected my area.
- Has not affected me yet personally.
- Air pollution

- Thankfully, this hasn't been an issue locally, but we see it in the communities that surround us (West Texas, Ruidoso). We get the side effects of fire (poor air quality).
- My family loves to go camping in and with the wildfires going on it's risky
- Not much personally, but I do experience asthma attacks and sensitivities.
- N/A
- It made me sick and i struggled to breath
- i can't breathe cuz of the smoke
- I have never experienced a wildfire.
- I don't live in a place where many wildfires happen
- Wildfire has affected me by not allowing me to breathe properly.
- A wildfire has affected my community by burning things down
- Ruidoso lost its community.
- My brothers were trying to buy a property in Ruidoso and now they cannot.
- I have not experienced wildfires
- N/A
- It gets more difficult to be out during fires
- N/A
- The wildfires trigger a lot of allergies for our family.
- Does not affect me directly. However, a close community was destroyed by wildfire and my are saw an influx of people who needed relocation.
- The air quality from wild fires in California or New Mexico
- N/A
- Wildfire from nearby city have changed the air quality in our area.
- Air quality period and that is from surrounding areas.
- Air quality breathing
- More fires in my area
- Did not
- Allergies
- Wildfire has halted production of businesses around us since it causes many ways of constructing and building in my city.
- Allergies were bad.
- No wildfires near El Paso
- N/A
- It affected my family in Ruidoso
- Thankfully there were no wildfires in my community
- N/A
- N/A
- N/A
- I BELIEVE we have not been affected in my community and city. At least I have not been affected personally.
- Smoky air from wildfires increase my respiratory problems.
- We have experienced poor air quality from wildfires in far off locations.
- Air quality . I have asthma
- Respiratory issues
- Not applicable.

- I have a baby and I don't let him go outside if the air quality is poor due to smoke in the area. It's sad because he loves going outside, but I don't want him to breathe that. We also pretty much always have fire bans in our area, so we can very rarely have fires when camping, which is disappointing.
- Ruidoso was petty bad
- N/A
- N/A
- N/A
- Ruined a friend's wedding venue
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- Robert Wagner. Climate change is a hoax!! You're a bunch of communist idiots!!
- Bad pollution.
- Wildfire is not a problem when nothing is growing in the desert to burn.
- N/A
- Wildfires bring smoke and haze to our area causing poor air quality and the continued potential for lingering embers. I often urge the city to do something about fireworks which in some respect has similar risks of nearby wildfire dangers, such as catastrophic damage to property and lives. But ignorance wins at the end of the day. Ignorance is intolerance for lack of a better phrase.
- It has not affected me.
- Wildfire affects daily air quality, and it affects where I can recreate in the nearby mountains.
- N/A
- The air has been really bad when the smoke is out.
- no effect
- Wildfire has not impacted me personally, but I'm involved in mountain trail maintenance. There might be things to come.
- None
- It has not yet Thank God
- N/A
- Hasn't
- No affect
- N/A
- Health related breathing issues
- Wildfires in El Paso? When and where? The last wildfire I witnessed in El Paso was in 1973 on the Northeast side of town when a bunch of tumbleweeds were lit on fire. Considering the pallet burning in Juarez during the winter, the trash burning in Canutillo on hot summer nights, and fires lit by farmers in the Upper and Lower Valleys, fire smoke residue is a problem. Recent fires in Ruidoso resulted in residual smoke in El Paso so many wore masks.

- N/A
- Wildfires in Ruidoso has caused areas to be out of reach for camping.
- Poor air quality.
- N/A
- Poor air quality. Juarez is always kinda burning.
- It hasn't. Asthma attacks? Really? You people need help.
- N/A
- N/A
- Closed business and friends without homes
- I experience asthma attacks during wildfires
- Not affected
- No effect.
- Allergies n just stayed inside n not go anywhere .

Other Climate Stressors Like Cold Freeze

Share Your Experience:

- Not Really
- My car windows freeze overnight making my car hard to drive in the morning.
- I worry about going outside for fear of getting sick.
- Not at all
- N/A
- Not sure
- N/a
- I think as a community we have been impacted by what the Senate bills passed, due to freezing temperatures in other places in TX. Higher bills for utilities.
- Pipe damage
- Cold freeze causes my car windows and plants to freeze.
- Water services disruptions, broken lines and/or dirty water due to disturbed lines.
- An increase in electricity needs
- People stay indoors
- The cold isn't as cold as it should be.
- Have to stay alert to freezes
- Extreme cold weather's affected our cities pipelines and created issues with sudden water loss in various communities within el paso
- N/A
- N/A
- N/A
- Haven't experienced it.
- I do not notice cold weather events.
- It has not yet.
- Nothing I can think of

- Schools and businesses had to shut down for the day. Texas shut down, which caused half of Mexico to also lose power.
- More frequent frozen pipes and pipe bursts. higher gas utility bill
- Excessive cold makes it hard to do necessary outdoor activities like yard cleaning, home repairs and letting pets out.
- In order to not pay high gas/electricity bills, we shut off the heater at times. We usually wake up a bit sick in the mornings, but it's better than paying over \$300 for a singular bill.
- Freezing weather freezes the pipe line in my house
- The cold freeze has affected our community by having higher heating bills
- N/A
- Yes
- I don't think this is an affecting factor to our community, it does not affect the crops we grow or any social activities
- More billing costs
- Pipes burst in homes and businesses due to freezing temperatures. Crops were damaged, reducing income for local farmers. Increased energy bills from heating during sudden freezes.
- Dangerous for animal
- It has caused problems with the pipes in my home.
- I have been getting more sick and causes me to not be able to play with my kids
- Getting sick more often than usual
- Two instances of broken water lines had to be repaired
- Air quality. Climate exacerbated air pollution as ozone and also particulates has affected my breathing to a great enough degree I am planning to relocate away from El Paso even though I love this city.
- I get sick or can not even do some activities like running when it really cold.
- Cold freezes have disrupted our community by damaging crops and local vegetation. Especially plants not adapted to sudden drops in temperatures.
- Cold freeze and unexpected drops in temperature have affected me by making me more sick more often and having drastic changes make many people's health suffer.
- Now I need to leave my house with two jackets on, but by the time I get out of school, it's too hot.
- We have to fill up tires more frequently. Shut off sprinkler systems, and bring in plants and pets.
- It rarely gets cold enough for a freeze here. When a freeze does happen, we are often not prepared.
- My house got cold
- My sister lives in College Station Texas. This region was hit hard by the Texas freeze. along with my sister much of my family was in the path of the freeze. This is both scary and concerning.
- Last week there was a huge change and a sudden cold came over El Paso. My parents haven't changed the AC to be hot so I spent a few cold nights inside my house before getting the heater installed.
- It has caused a major change in the cycle of the seasons.
- Some homes are not suited for the freezing of pipes and can cause damage

- Extreme cold affects me on not going out because i freeeze and i get cold really easy
- N/A
- It's difficult for me to run in the mornings; has affected my plants; more heating needed in the house
- I feel the cold/freezes are still normal in our area.
- We live in an older house that seems to be more resilient to freezes.
- It's hard to get people to come out in harsh weathers
- We had our unit heater turned on + bought more units.
- It dries everything out my hands, feet, plants, eyes, etc.
- I struggle when i'm doing my sport
- N/A
- Cold freeze affects me by my car window freezing.
- The cold has affected me when I stay for football games cause I'm an athletic trainers
- Cold freeze has affected me by having to wait even longer for my car to warm up in the morning.
- Cold freeze has affected my community by freezing our road
- Difficulty with car in the morning.
- Sometimes the water pipes freeze.
- I haven't experienced freezes
- N/A
- Yes it is very cold and it gets hard to do things
- Early cold freeze killed ALL vegetation
- Sudden freezes have killed drought resistant cactuses, putting myself and other neighbors in a situation of trying to figure out what is actually sustainable in our unpredictable climate.
- It has killed ALL of my outdoor plants and trees in the past.
- Health risks for vulnerable groups such as young children and the elderly. Increase use of natural fossil fuels to warm ourselves.
- The last time i remember a freeze i was a kid and it froze the pipes of my home, we didn't have water for a couple of days
- Road conditions change and plants and animals are at risk.
- I have taken some precautions like installed solar, bought generators and installed generator plugs on my home.
- It affect me where I can go out
- Hasn't been many
- Not being prepared caused my water lines to freeze and burst and many of my plants died
- Pipe break
- I prefer the cold so it doesn't really affect me.
- N/A
- No freezes
- El Paso is good.
- No problem peole adjust
- Many animals were affected by the cold freeze. Many pets were wondering the neighborhoods looking for shelter.
- N/A

- Frozen pipe in and around my home.
- N/A
- We USED to have cold freezes but not anymore.
- Extreme cold has caused massive damage to my home due to frozen pipes and flooding.
- We didn't have heat in our first apartment so it was brutal during the winter months.
- Not directly, but I have seen the elderly struggle doing errands and such
- I haven't experienced it yet.
- Sickness
- N/A
- None
- Cold freeze kill my plants
- Ted Cruz went Cancun and I was pissed
- N/A
- No
- Water issues
- Not effected not effected
- N/a
- Hardly freezes here but when it does it causes our pipes to freeze up not allowing any water for us
- Climate change is a hoax!! You're a bunch of communist idiots!!
- Don't plant much anymore.
- There have not been enough cold freezes like there use to be
- Sometimes, we don't get enough cold freeze to kill all the bugs.
- N/a
- When a freeze happens, life in general is severally threatened or just stopped altogether. Unless your a cold blooded lizard saying beautiful day isn't it, then most warm blooded life will experience some agitation in sudden degree drop. Unless its snowing outside on a school day, nobody likes it when things outside are covered in ice, especially vehicles. Removing ice from vehicle windows is tricky and can easily lead to expensive mistakes. Best bet is to cover your vehicle the night before in a big tarp and put warm towels on the windows to avoid a long morning of thawing out.
- All weather phenomenon are cyclical they come and they go.
- Extreme cold hasn't affected me in El Paso - almost the opposite; the lack of recent cold temperatures is a stressor to the mountain and that stresses me out.
- Run up natural gas bills.
- Electric bill is higher to heat home and to heat water.
- We rarely get a cold freeze. I have insulation wrapped on my outdoor faucets.
- We had no recent issues after the 2011 major freeze.
- We are better prepared as a community to freezes.
- Dress warmer and turn on the heater is all you can do.
- Water oipelines getting bursted at home.
- The freeze and rolling black outs can get annoying.
- Working comfortable

- Higher chance of pipes bursting, leaving the area without water
- Only rolling blackouts during last severe freeze
- Having the heater on for longer
- They don't happen that often.
- N/A
- Cold and freeze are two different factors. Cold is subjective. Some are cold at 65 degrees whereas freezing is anything below 32 degrees Fahrenheit. Both of these temperatures affect us differently. Freezing creates unsafe road conditions and physical hazards.
- Higher bill cost
- No effect
- N/A
- Frozen pipes, and damaged streets.
- It's called planning. Protect your pipes and plants when it gets cold. It isn't rocket science.
- N/A
- Sharp cold snaps have damaged native trees
- N/A
- We spent a lot on light bills
- We haven't had a significant freeze since 2002
- No effect.
- Stay more inside. Keep warm Change curtain to warm curtains cover doors n windows to keep the cold air out. Keep the heater in a warm temperature. Stay healthy not to get sick.

A.4 English Survey Responses to Open Ended Questions: How did you overcome the challenges caused by extreme heat, heavy rains and flooding, high winds and dust storms, drought, wildfire and other climate stressors like cold freeze?

Extreme Heat

We (I) overcame the challenge by...

- Go outside pool
- I've helping pay some electric bills.
- I spent most of my day indoors
- Have fans and A/C in my house.
- I stay home and spend more on electricity and water. I need the air on more due to my condition.
- Lots of ACs installed into windows to offset the heat
- Kept AC at a colder level.

- I tried swimming or going to malls w AC
- We cut back on other expenses
- We use the AC more often and the electric bills are higher.
- Use the ac for a prolonged amount of time
- Went to the supermarket where its cold.
- Raise indoor temps to keep bills down, limit outdoor time, carry pets outside and not purchase plants that need to be set outdoors.
- Stayed indoors more often
- I stay in the shade with cold water
- We kept the AC on.
- Staying hydrated
- No solution aside from waiting for cooler weather.
- Nothing
- I tried to lower my use of the AC by relying on my ceiling fan during the day. So the AC works less during the night.
- I have switched to making murals outside during the fall, winter and spring.
- Staying indoors
- Pray that the extreme heat would go away.
- Cut down on other expenses
- We went swimming and for the most part stayed home avoiding the summer heat.
- I stayed inside, being sad.
- We ventured out less often during the extreme heat wave . It was just too hot to go outside.
- N/A
- The heat was bearable, but sometimes it was cooler outside than inside. We also used solar-energy operated fans.
- Cool off in ventilated areas in my house
- By being prepared with cool water and going out during the day's fresher part.
- A/C stopped working
- We purchased additional personal cooling units.
- Yes
- I've had to drink plenty more water and have had to apply more sunscreen
- High energy costs
- Used fans and energy-efficient cooling systems to reduce electricity usage. Set up a cooling center in the community to help residents stay safe. Offered delivery services during peak heat to maintain business operations.
- Stay inside
- We try limiting sun exposure inside the house on extreme heat days.
- I asked for help from different sources
- We had to be showering very often causing water bill to go up
- We used the air conditioner all day long. Using the pool to refresh ourselves.
- Reduced number of potted plants. Closed curtains to keep heat out
- I instituted a daily siesta under a fan in a dark room. I avoided going out during the heat of the day as much as possible.
- I try to always to have my water bottle in hand.

- We enter to a few cooling spaces. We were on the room some hours before going out again.
- I overcame the challenges caused by extreme heat by staying at home most of the time and not doing any sort of activity outside for too long, since this may cause some damages in our health, again because of the extreme heat. Staying at home benefited and helped me by staying cooler.
- I spent more time in my house, watching tv, in my bed, eating cool food. Overall, spent more money on bills of electricity, water and gas.
- We bought smaller AC units that cost less money than our utility bill as well as preserve our water.
- I stayed indoors and wore light clothing.
- For this summer I spent more time indoors next to the coolers, cooled myself with popsicles, got into the pool and showered two times a day because of the heat.
- Stay inside.
- To overcome the challenges I've stayed home a lot more and kept my activities mostly indoors. My parents were fortunate enough to install a sun roof.
- N/A
- We stayed inside which caused us to use more energy
- I overcome the challenges of stream heat by showering with cold water on turning on the ac
- I started to medicate myself and to not be in the sun for so long
- Put ice in the swamp coolers
- Try to make payments but never seem to catch up
- I stayed indoors.
- Had to use money for something else to pay these bills
- Use shade, more watering, planting later in the season.
- Stay indoors as much as possible.
- We would keep them indoors more often then usual that way they aren't burning up
- Usually leaving the air on lower and by adding multiple air units.
- Refrigerated Air, Liquid IV
- We just kinda deal with it
- I drink more wayer
- I take liquid IV so that I don't get dehydrated and pass out during heat. I also eat a lot of ice.
- Refrigerated air and drink water
- I drank more water and electrolytes.
- We had to cool off people
- Use lighter colors in clothing, being indoors and keep an eye on the weather.
- Drink water and work more hours
- So many fans in the house and refrigerated air.
- I would just stay inside in air conditioning
- Drank water and made sure others around me stayed hydrated.
- We paid more for AC
- Stayed inside. Did not use car or public transport.

- I always carry ice water with me, and I have an umbrella in my car for especially hot days to offer some kind of shade.
- Stay indoors during the summer. I no longer plant anything new. I switched to low water sprinklers two years ago and now my poor little back yard isn't surviving.
- Use more water and air conditioner
- Staying indoors
- Still adjusting
- I had refrigerant cooler installed
- AC stays on
- Trees
- Stayed inside more
- Less clothing and more venting
- Use A/C
- I overcame the challenges by starting to go outside less which shouldn't be an issue but it unfortunately is.
- Stayed indoors. Exercise in city pool
- Stay indoors, run AC more , install sun blocking drapes on windows
- Tried to save on energy, washing clothes at night, etc...
- Do our activities very early in the morning or late afternoon.
- Have work early in the morning or after 7 at night.
- Switched to smart thermostat and spend more time at community pool
- No stayed home enjoy hot weather
- Stayed inside cooling areas like the mall and movie theaters
- Stayed home more and commuted less.
- Stayed inside
- Work around it
- N/A
- Thank God, I have a steady income that allows me to afford to pay higher electricity bills.
- Had to get maintenance on air conditioning unit, stay indoors more often, and put more of my budget towards electricity bills.
- Plan our schedule around early morning and late evening hours.
- Kept the air conditioner on with no breaks. Drank more water.
- Stayed inside the house most of the day
- Spent money on purchasing sunscreen, sunglasses, summer clothes, and huts for myself and few friends. High electricity bill resulting from energy expenses on cooling the home.
- A/C unit
- I have attended psychotherapy and started taking antidepressants. I have also sought out ways to be physically active indoors such as walking in shopping malls or doing yoga at home. I also make sure to drink a lot of water when extreme heat is happening. I will also wake up early sometimes to go outside before it gets so hot.
- Stayed inside
- Stayed inside
- Always have water with me
- N/A

- N/a
- N/a
- Bought portable fans
- Increased utility bills
- Stay inside ore
- Stay indoors
- Drink more water, seek shade when outside.
- We usually just put towels or shade over their homes so they don't heat up
- Climate change is a hoax!! You're a bunch of communist idiots!!
- We stayed inside most of the time.
- We use our ceiling fans more but it still gives us a higher electric bill.
- I had to start my morning three-mile walk right after dawn because it is too hot later in the morning.
- Paid for the additional A/C
- I created a post on the envision El Paso map to urge the city to possibly redesign a nearby senior center located at Memorial Park in central and have it converted into a community cooling center; as it currently stands; most other satellite cooling centers are a bit out of reach for most central El Paso residents.
- Got solar panels.
- This is the desert and it's subject to extreme heat. Last June/July (2023) was worse than the same months in 2024. It's the story of living in a desert.
- I have a swamp cooler so my house is quite warm during the summer and I work at home. I just drink a lot of water and try not to be outside during the hottest parts of the day (so really, from like 7:30am to sundown).
- Bit the bullet. Raised the thermostat.
- Stay inside.
- Turn on the room A/C. I have window A/C's in the family room and in the bedroom. I do have a whole-house unit, but it isn't needed.
- We are lucky, resilient trees (Italian cypresses) planted in the early 2000s have now grown and provide shadow from the evening sun. But even these trees are showing signs of stress, requiring water and attention.
- Covered garden or used more containers and kept them under the porch.
- Preparing with sunscreen, covering with hat, sunglasses and staying in the shade.
- By trying to use my non-profit to help build local food forest in our community.
- Staying in.
- Personal fans.
- Staying hydrated
- I just got used to the heat.
- Weatherizing home
- Run the air conditioner longer, use a treadmill rather than running outside
- We basically deal with it.
- Stay indoors as much as possible, hydrate, wear cooling towels and protective gear and clothing.
- We do what El Pasoans have done for over 100 years. We run ceiling fans, wait in shade, use Evaporative Coolers, or refrigerated air.

- Went to cool areas
- We adapt
- I don't go outside during the summer. The heat literally burns my skin and triggers my headaches now.
- Adjust thermostat to higher temperature
- Limiting time outside during the hottest hours of the day, investing in proper cooling system for my home.
- There isn't extreme heat. El Paso has always been hot and always will be. Temperatures fluctuate and have millions of years. Nothing new.
- Sometimes go walk in mall instead of park
- Swim
- Can you come home applying more water and using shade structures in garden and outdoor enjoyment areas? Higher costs in water bills.
- Switched to more efficient HVAC, I Go out to exercise earlier or later during the day. I used Ceramic tint on my vehicles glass.
- We always had water at home
- Stayed in the shade or participated in indoor activities. This is desert living.
- No action.
- We stayed more at home with air on, take more showers, stayed hydrated.

Heavy Rains and Flash Flooding

We (I) overcame the challenge by...

- N/A
- I have not experienced this
- Make trails from bricks
- I have flooding insurance. Added expense I did not plan for on my retirement budget.
- N/A
- N/A
- I have to sweep water away from near my door
- N/A
- Did not do anything.
- Property. Modifications
- No challenges
- I had drains put in and plan to add rain gutters. It's crazy because its a large expense for events that only happen a few times a year.
- I obtained sandbags to redirect water
- N/A
- N/A
- Wrap car with plastic to protect it
- Avoided flooded areas in the city
- No issues.
- N/A
- I just don't drive during bad weather if I can avoid it.

- N/A
- Avoid driving in flooded areas.
- Stayed inside and avoided the roads.
- I live in the high ground and don't go out, remaining sad.
- I stayed home more.
- N/A
- I started leaving earlier so I could take the roads where there were no flash floods or where there were better drainage systems.
- My house is situated a high vantage point in Juarez
- Placing sandbags or not driving once it starts raining
- N/A
- Yes
- We have had to find alternative roads, but it is still bothersome
- Energy cost
- Installed a sump pump in the basement to avoid water damage. Built elevated pathways and improved drainage systems in the community. Purchased flood insurance to mitigate financial risks.
- N/A
- I have not overcome this challenge.
- I had to get insurance that caused me to have financial issues
- Avoid going outside if not needed
- Sandbags. Just in case.
- I have upgraded rain gutters to direct water away from my home
- I have had basement window overhangs fashioned. I have to hand clean a water drain I have and I also place a physical barrier to protect my basement entrance. These efforts take a lot of physical effort.
- I try to get up earlier when it happens.
- Staying on home. Also having some sand bags in many parts of my home so if it breaks some parts it do not affect my house .
- I overcame the challenges caused by heavy rains and flash flooding by again, staying and home, most of the time when rain was heavy or too dangerous. This prevented me to have any sort of damage that the rains may have caused me.
- I have to continue going to school. I carefully drive so that the car doesn't fail with the high level water.
- We had to move our plants growing outside inside to prevent them from dying.
- I stayed indoors and limited my driving.
- I continued to attend school despite the circumstances.
- Stayed inside, and had to use buckets and containers to hold excessive rain water.
- I stayed home, once again.
- N/A
- We re did the landscaping of the house to make sure water was sent away from the house more efficiently than before
- I stayed at home
- When it rains i prefer not to go out of my home
- N/A

- N/A
- I have not. I need to raise the concrete so that water does not come into the house.
- Spending more time and money, which I don't have
- N/A
- We had to sandbag our front door when we knew rain was likely. Other times, it caught us off guard.
- Most time i stay home or go when the raining starts to die down a bit
- We do have sandbags, as well as certain tents for protection.
- N/A
- We covered out outside porch so out power would go out
- N/A
- My community put water drains to overcome flooding.
- My mom switched to tile to avoid the wood molding.
- We overcame the challenges by staying together
- Installing features to prevent damage
- Make it to somewhere safe.
- I had to pay out of pocket for repairs
- Installing certain features to prevent damage.
- get sandbags
- N/A
- N/A
- I have not had to do that in the area I live.
- Avoid driving during these storms
- Staying home which has higher ground
- Staying
- So far I enjoy heavy rains, but if I were growing crops or in a flood zone I would have problems from the loss of business etc.
- Dirt around house
- I wish we had more rain
- Add cement powder to my rock landscaping
- Didn't effect us much here.
- I have overcome these challenges by again staying indoors and trying to stop myself from going outside, which is again a problem in itself for maintaining a good mental way of living.
- Had to stay indoors
- No flooding where I live
- I've seen sandbags on businesses, but not homes.
- Have no problem
- N/A
- N/A
- N/A
- I rent. However, my landlord never had to protect the property from flash flooding or rains.
- Have to have additional maintenance expenses.
- Had the owner install windows that could drain out excess rain.
- Stayed inside.

- Sandbags and ways to divert waters
- Not applicable.
- It worries me because a lot of accidents happen...on the other side I don't know how good the city is prepare to handle these situations
- N/A
- Sandbags
- N/A
- I have sandbags to protect the doors
- N/A
- N/A
- Sandbags for home
- Not in a flood area
- Avoid streets that flood although it is so pervasive it can be hard. Downtown, Mesa and others always struggle with drainage.
- N/A
- Climate change is a hoax!! You're a bunch of communist idiots!!
- Sand bags and staying inside.
- Wouldn't it be nice if we had enough rain to think about sand bags?
- N/A
- It has become clear that aid is in little abundance these days, and one has to ultimately learn to become self reliant in order to have some grasp of reality. There is no overcoming extreme weather climate until we overcome the grass root causes and make some long standing effort to rewind the damage and start to heal towards a planet that has had to put up with us for many many generations.
- Paid to have someone redirect water around house so it didn't pool
- Prayer.
- We make sure our roof is in good repair and do our best to divert water. I'd like to do some water catchment with my landscaping (like curbs cuts/bioswales) and would love to see city/county support for that.
- N/A
- N/A
- We have not had this challenge for some time. Cities provide sandbags, if necessary.
- I am not really effected by flash flooding at home because my house is up high off the street. However, driving around town is dangerous now more then ever.
- I don't drive places.
- Didn't need to
- I got a truck
- No affect
- There is hardly any flash flooding in my area.
- Stay home during heavy rain and avoid specific areas.
- After being sued in 2006 by my neighbor because her house flooded, I hired an attorney, and the result was the revelation that her house was built seven inches below the Base Flood Elevation and therefore was the cause of her house flooding and not from water that came from my yard. Despite the

ruling, I bought a tractor, removed a foot of dirt in my yard, installed four dry wells in compliance with the City of El Paso self-ponding ordinance.

- Sandbags
- No effect
- I have sandbags now to keep my house from flooding.
- N/A
- No precautions have been taken to prepare my home for flooding. Drought has taken over most of the rain in El Paso.
- None needed where I live. It rains and my grass gets greener. That's a good thing.
- N/A
- Drought conditions in far east El Paso
- Looked for alternative ways, used repellents and mosquito traps inside my home.
- I live in a hill
- There weren't any in my area.
- No action.
- Lots of sandbags, keep my dogs inside to protect from getting scared of so much water. I fix all that to avoid future problems

High Winds and Dust Storms

We (I) overcame the challenge by...

- Facemask
- I keep all windows shut when I'm going out
- Stay home
- South lung did is list for asthma.
- I have to wear full face protection
- Avoid going outside.
- I usually try to not go out when it gets really windy.
- N/A
- I had some trees blocking down wind.
- Replace roof
- Cover my plants from the wind.
- Avoid driving when possible during high wind weather. Wear a mask outdoors or avoid outdoor activities entirely during high wind events. Keep flashlights available.
- Stayed indoors
- I stay inside
- N/A
- Stayed in doors
- No issues
- N/A
- I check the weather prior to going out, even I'll be going out on my car, I'd rather just not deal with it if possible. One thing I cannot avoid though, is the mess of dirt left everywhere.

- I stop going out and limit my activity.
- N/A
- The only solution is staying inside.
- Nothing I can do
- Stayed inside
- I listen to the wind and relax.
- I had to purchase new windows to the house I am renting because the previous ones were not sealed correctly.
- Covered previously damaged areas.
- We added an extra metal door in order to stop it from falling down.
- N/A
- Wearing a mask when high winds are expected or making sure not to drive due to low visibility
- N/A
- Yes
- I have had to increase my medicine intake
- Energy and maintenance costs
- Installed wind-resistant infrastructure, such as barriers and reinforced roofs. Used air purifiers and masks during dust storms to mitigate respiratory problems. Moved outdoor activities indoors when storms were expected.
- Stay inside
- I now take medications for my allergies.
- I had to come up with activities to do at home
- Had to be changing my air filters more often than usual
- Just praying and knowing that God's with us protecting us.
- Keep windows and doors shut
- I have not been able to. I don't go out.
- Try to have a big jacket that covers me to be as comfortable as possible.
- I close all the windows, keep myself and family at home. Close all the doors and sometimes we protect the windows to not cause any destruction.
- I overcame these challenges by protecting windows on my property to help them not to break or cause any sort of damage.
- What I do, is I exit on the first way out, before it becomes worse and I endanger myself.
- Stayed home and brought in small plants.
- I stayed indoors.
- We have to put our trash inside or anything that can fly away inside.
- Using sandbags
- My parents secured the windows with the help of our handyman.
- N/A
- Not allowing practices to happen
- I stayed at home
- I started taking medicine
- N/A
- Try to stay indoors
- I stay indoors to avoid the wind and dust.
- We've had to adapt

- Planting more trees/windbreakers.
- No real solution.
- I wear proper clothing for it and try to stay inside more often
- Securing our house with the right materials.
- I wear a mask and goggles
- We just kinda deal with it
- I don't leave my house
- I always wear my hair up on windy days.
- I got a mask
- I ran to my next classes to avoid getting blown away.
- We overcame this by staying inside
- I have to use medicine for allergies
- N/A
- He has to use a machine to clear his lungs.
- I have to cover my windows to prevent them shattering
- N/A
- i don't leave my house
- Take medications, put up wind blocks in certain areas
- Stayed home instead of participating in outdoor events.
- I haven't taken any measure to prevent damage. I just repair as it occurs.
- Wear material to reduce the intake of the particle in the air.
- Sometimes just staying home or wearing glasses
- Still adjusting
- I had heavier shingles installed, removed things that would become a projectile and cause more damage, installed insulated windows and built in relief zones to reduce pressure from building up in certain areas.
- Lotion and medication
- Planted grass
- Tried not to drive or be out in those conditions
- Planted more trees
- Kept doors and windows closed.
- It is not very easy to overcome the challenges since I must eventually face them, the only way is to be smart about leaving the house and hope it does not affect me.
- Couldn't go outside.
- No high winds experienced
- N/A
- No just bike less
- Sweeping up the dirt on a daily basis.
- Keep them inside during windy days
- More plantings
- N/A
- N/A
- I must spend more time inside.
- It's very difficult when living in a property we don't own. Just avoid driving if it's possible and remove anything outdoors that could be covered in dust.
- Stayed inside.

- staying inside
- Depending on weather alerts and seek shelter in event of high winds.\
- She parks next to shelter whenever possible, especially when wind is going to be strong.
- I try to stay home
- N/A
- N/A
- I put my plants inside my home
- We bought new windows and doors
- N/A
- N/A
- Put more trees in my property
- Not effected
- N/A
- Not much to prepare other than making sure everything it secure
- Climate change is a hoax!! You're a bunch of communist idiots!!
- Stayed inside.
- Tape around the windows, keep doors and windows closed
- I did erect a wind barrier in my backyard, but mostly, we have delayed outdoor group meetings because of the dust.
- Multiple roofer visits
- Using stretch cords with hooks or zip ties and anything that acts as a paper weight mechanism is probably going to be your best defense against high winds. In the case of garbage day, you'll just have to be vigilant about your bin(s).
- Stayed inside
- Prayer. Maybe increase insurance.
- I just make sure everything is secure and hunker down. I try to wear a mask if I go outside to protect my health.
- Haven't developed intervention.
- I don't drive at this time or have to wear goggles and a mask when walking.
- The rock wall around my property helps.
- staying inside.
- Stay inside during that day and if I need to go to work I use a mask or a face cover. The trees in my yard I planted as windbreakers.
- I stay inside a lot more.
- Didn't have to
- I got a truck to drive over debris
- No affect
- I have to run and take down anything that might fly away.
- Stay home during high winds and dust storms
- You live with it. Having lived in El Paso for over 50 years, the winds arrive every year at about the same time. Weather patterns, including windy days, are part of what is referred to as normal weather patterns.
- Stay in and use masks
- No effect
- I stay indoors.
- Remove fence

- Limiting time outside during dust storms.
- No need to overcome. Spring has always been windy in El Paso. No better and no worse for decades.
- N/A
- Attempted to plant more trees but trees struggle grow strong against regular high wind from the east
- Constant observation of the wind forecast to plan ahead, allergies vaccines and using glasses and mask.
- I have erected wind barriers on my property
- Minimized outdoor time during those hours.
- No action.
- Make sure my windows are covered well n place door stoppers on the front n back doors.

Drought

We (I) overcame the challenge by...

- Less plants
- I'm considering using gray water from my home to water the lawn
- I bring them inside my house.
- Limited watery grass. Added more dessert plants to landscape. It has taken away from a colorful garden.
- N/A
- Avoid watering often.
- Not sure
- N/A
- N/A
- Changed to artificial grass.
- I had to remove dead trees from around my home before they impacted my property by falling or attracting pests. This only caused paved areas to get hotter.
- Reduce plants to reduce watering needs
- N/A
- Water them frequently.
- N/A
- N/A
- N/A
- I try to use water efficiently. I stopped using the dish washer due to how much water it consumes.
- I am planting native plants.
- N/A
- N/A
- Use artificial grass.
- We installed artificial grass, which I'm sad about.
- I had to start growing more drought prone plants to decorate my backyard.

- Excessive use of water to keep few surviving plants/trees alive.
- N/A
- N/A
- Watering only in the morning and night but not everyday
- N/A
- At home we only plant native species that are drought resistant and water efficient.
- Yes
- We have had to water our yards from the pipe, increasing our monthly water bill
- Less landscaping
- Transitioned to xeriscaping, using drought-resistant plants in landscaping. Invested in water-efficient irrigation systems. Community programs distributed recycled water for non-drinking purposes.
- N/A
- I stopped planting my full garden.
- I stopped planting
- Cannot have plants due to the drought, unable to stay alive
- I don't have plants.
- Water scheduled for slow deep watering
- I watch my water use very closely.
- I try to wear cream all the time and stay hydrated.
- I switched to drought tolerant plants and efficient irrigation systems, such as drip irrigation to conserve water.
- I overcame these challenges caused by drought by taking more care of my plants and having specific types of plants that benefit my environment but still are protected by these climates.
- I don't face this problem personally
- To be more cautious driving around, bought heat resistant plants that thrive.
- I stayed hydrated and stayed indoors.
- My showers were longer.
- Grew grass in backyard for absorption and use contains to deal with floods.
- My dad spends way too long in the heat attempting to water the plants. I feel bad for him when he comes back into the house and his face is all red.
- N/A
- Bought from local people who were able to manage some how
- i filled up buckets with recyclable water
- N/A
- N/A
- I have not fixed the problem, and I feel guilty watering so much, despite how hot and dry things are.
- Being mindful: we only water our plants once per week; we use less water at home
- More watering and rain harvesting when we do get rain.
- Got desert plants.
- We follow watering rules, and have native plants in our garden.
- I plant things when i know there will be better weather for my plants

- We had to leave our garden with less water, add extra AC units, and stay inside instead of going out much.
- I had to stop watering so my my lawn (sad face)
- My grandma got new flowered that didn't required and much water
- i put blanked on them
- I stay hydrated.
- Got more plants
- We overcame this challenge by planting summer and desert plants.
- I overcame this by trying to stay hydrated
- Have been storing water
- N/A
- N/A
- N/A
- I have had to find other sources of water
- save more water
- Plants die before I can get them enough water
- We are working on figuring alternatives for our backyard to use less water, although we do want some grass for our dog.
- By not planting new plants.
- Increase the usage of the water utilities
- Not sure
- Try to water more buy still hard to keep alive
- I am sorry to say that if I can't eat it I don't wont it.
- Works on it but winter is coming
- Has to water more
- Desert landscaping is super important. Cactus, Palo Verde Mesquite , Yucca and rock gardens are my go to
- Plants died.
- Not really so much of a problem in my case.
- Stopped trying to grow food
- N/A
- not affected
- I like plants that flower longer and use less water.
- I did my landscape to used as little water as possible since 20 years ago
- I planted less plants than the year before
- Drought tolerant plants
- Gardening containers
- MORE WATER CATCHMENT, MANDATED, BY CODE
- I BELIEVE we have not been affected in my community and city. At least I have not been affected personally.
- Have to more actively implement pest control.
- We try to use less water overall.
- Changing plants, drip irrigation, mulching
- Replant drought resistant species to replace dead plants.
- We have always selected native and drought-adapted plants, but we have recently considered pursuing professional landscaping from experienced

local naturalists to help. I have also put out water for birds to try to help them. We really want to install a rain catchment system and in ground irrigation.

- N/A
- N/A
- N/A
- Stay at home all day
- N/A
- N/A
- Plants that need less water
- Not effected
- Water bills are very high even with no lawns and all native plantings and rates increase EVERY year at EPWater
- N/A
- Robert Wagner Climate change is a hoax!! You're a bunch of communist idiots!!
- Watering much less.
- Planting less in our garden
- I would like to see the El Paso Climate and Environmental group actively pushing the city to require action plans from the water and electric companies and pass ordinances to stop water waste, like irrigated lawns and trees. They should also be pushing for incentives to save water through refrigerated air and lower-use toilets, showers, etc.
- N/A
- A big zep spray bottle and moist towel will generally give dome relief. Water your plants and outside shrubbery on your designated days, but beware of \$11k water bills, yikes.
- Of course you use plants that need less water. It's what native El Paso ones have always done.
- While I can pay for the water I need, I really want to switch my front lawn to xeriscaping but haven't been able to afford it. I would love to see more help from the city for that. Instead we do little things, like collecting wash tub water and dumping that on the lawn.
- Cut back watering schedule.
- I stopped having a garden.
- Same answer as #10
- See Heat
- Changed the time for watering.
- Collect rain water.
- I have to shop less, buy less and be careful with what I do purchase.
- Water my land
- I used less water
- No affect
- I don't water as much as before.
- Follow the city water ordinance, plant local and native plants, and water only on assigned days. Use less water in showers and use drip irrigation.
- N/A
- No effect
- I have to water my plants more and cover them with sheets.

- Very aware of using as little water as possible
- Switched my landscaping to local, and regional plants. Switched to fake turf.
- I water more. Grass is better than artificial turf and "zeroscaping". It keeps ambient temperatures around my home lower.
- N/A
- Planted more trees
- N/A
- I changed my landscaping
- Nothing to overcome
- No action.
- Pretty rocks in front yard. I put cement in the backyard I have little grass for my two puppies to play n do their business.

Wildfire

We (I) overcame the challenge by...

- Air
- I have not experienced this
- N/A
- I check k air qusitysndwesra mask when outdoors. Sometimes I just stay home. Now worth risking infection.
- N/A
- N/A
- N/A
- N/A
- I keep indoors because of allergies and asthma
- N/A
- N/A
- I wear masks or avoid out door activities and instead remain local rather than travel.
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- Stay inside. To not experience nature challenges our mental health.
- N/A
- N/A
- N/A
- Whilst I do check the AQI, it's mostly due to general pollution from manufacturing and oil refining within the city.
- Stayed inside.
- N/A

- They went to shelters and stayed safe during the difficult times. (Wildfires)
- N/A
- N/A
- N/A
- Yes
- There has been no challenges to overcome regarding the phenomenon
- Loss of wildlife
- Checked air quality levels daily and stayed indoors when necessary. Installed air purifiers in homes and businesses to reduce indoor smoke pollution. Created defensible space by removing flammable materials around properties.
- N/A
- I stay indoors when the air quality is low.
- I had to seek medical professional help
- Always checking the weather air quality
- Reduce time outside. Keep house closed
- Not overcome.
- Also try to drive carefully in the forests.
- I began regularly checking air quality reports, limiting outdoor activities during wildfire season and using air purifiers.
- I haven't experienced this.
- It hasn't affected me personally.
- We checked air quality and avoided traveling.
- I waited for reports about wildfire.
- We lost our house
- Checking on community .
- I would primarily stay indoors, as mentioned before, opting out of outdoor activities.
- N/A
- N/A
- I check my surroundings before i come out
- Take medicine
- Have not had to overcome any challenges caused by wildfires just yet
- I check air quality when I am outside longer than usual.
- Haven't really thought about it.
- I check the air quality as well as the areas that are being effected
- Not much personally, as there hasn't been much wildfires in EP. However, I have done things to try to prevent wildfires in other areas.
- N/A
- i stayed indoors
- i don't leave my house
- I stay home.
- Air quality
- I overcame this challenge by staying inside.
- We made sure to stay away from them
- N/A
- We have not.

- N/A
- N/A
- Check air quality
- N/A
- We check air quality, but sometimes there's no option to stay home so we take antihistamines and try to limit extra outdoor activities when possible.
- Be open to helping those who have been affected.
- Reduce outdoor activity to avoid health risks
- N/A
- Stayed informed of the direction of the fire and how it was being handled.
- I try to remain indoors.
- Allergy pills
- None
- Stayed inside
- I don't face it but many people in my family have this problem and they all want to see change. They do not know how to overcome this challenge except for voting.
- Avoid being outside
- No wildfires!!1
- No wildfires yet
- My family in Ruidoso evacuated
- Family camping trips were cancelled because of the wildfire caused in Ruidoso. NM
- N/A
- More masking
- N/A
- I BELIEVE we have not been affected in my community and city. At least I have not been affected personally.
- Have to spend more money on sinus and respiratory medications during smoky weather.
- Stayed indoors and checked for any alerts in our area.
- Stayed inside.
- Staying inside
- Not applicable.
- I check air quality before going outside.
- I acknowledge that and be careful
- None
- Check air quality
- N/A
- N/a
- N/a
- Health problems
- Not effected
- Air quality here suffers from fires in NM occasionally but all the time from too much vehicle idling due to poor construction coordination , being on the border and dust.
- N/A

- Climate change is a hoax!! You're a bunch of communist idiots!! Go woke, go broke.
- Stay inside.
- I canceled a trip to Riodosa.
- N/a
- Hose down your property if you can. I strongly recommend a 50 foot inexpensive hose from Walmart I picked up recently for about \$16. Supposed to last a few years, hopefully. Fitt Hiflo, has a 10 year warranty on the packaging.
- Not applicable.
- I check the air quality daily in El Paso using AirNow (although the TCEQ sensors mostly don't measure all three of ozone, pm2.5, and pm10 - would love to see that). I also check wildfire maps before leaving town to go hike.
- N/A
- Stay indoors.
- No fires
- N/A
- Thank God I have not had to deal with wildfire yet. However I do worry because we do not do controlled fires here to burn up land that could become a major issue if a wildfire occurs here.
- N/A
- Did nothing
- No effect
- N/A
- Check air quality, cautious traveling to areas where there are wildfires
- You contact authorities when neighbors are burning trash and close your vents and AC units to prevent any smoke smell from entering your home.
- N/A
- No effect
- N/A
- Keeping track of weather alerts from the city.
- Tree history tells us that fires have been a natural cure for the earth for millions of years. The problem with wildfires is urban sprawl not the climate.
- N/A
- N/A
- Donated supplies for communities that lost everything
- Before going outdoors I check air quality in my community after wildfire
- Not affected
- No action.
- I always check the weather before we go anywhere.

Other Climate Stressors Like Cold Freeze

We (I) overcame the challenge by...

- N/A
- Cover my car windows.
- Stay indoors more. Creating anxiety and feeling down.
- N/A
- N/A
- Not sure
- N/A
- No impact. It impacted with my utility bills increasing.
- Make repairs
- Cover my car windows and plants in plastic.
- Seasonally prepare for impacts.
- Upgraded windows to reduce heat loss
- N/A
- None
- Wrap rags around pipes so they don't freeze
- Ensured water was running throughout the night to prevent frozen lines
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- Stayed home to avoid it.
- Fire.
- Had to adjust my budget to accommodate higher utilities
- N/A
- We use more blankets and solar-powered heaters.
- Heat up water and bathe in pre heated water
- Making sure all our windows and doors are tight so heat doesn't escape
- N/A
- Yes
- There has been no challenges to overcome regarding cold freeze
- Changed vacation destination
- I changed my strategy on holidays breaks
- Insulated pipes and installed freeze-proof faucets. Stocked emergency supplies like generators and space heaters. Adjusted travel plans and stayed indoors to avoid dangerous icy conditions.
- Dangerous for animals
- I had to change all the pipes in my home to help alleviate further issues.
- I started taking care of myself
- Had to reschedule my trip due to sudden weather change
- We don't go out.
- Shut off main water line to the house during severe freeze events

- I will sell my house and leave town.
- When its cold I have my jacket on always
- Many of us in the community took preventative steps, such as preparing homes with weather proofing and keeping emergency kits or power outages .
- I overcame this by taking more vitamins and taking my care of myself.
- I keep repeating putting on jackets in the morning, and take them off when leaving school
- We put air in tires and took measures the night before.
- I stayed indoors and wore many layers.
- I put on a blanket
- Prayed.
- My parents installed heat as soon as possible, doing whatever they could do to help.
- N/A
- Having to have new pipes and work done to houses so the this is prevented.
- Stayed at home or use a lot of jackets
- Putting more clothes on or skipping the run; planting less plants during the cold season; turning on the heat only when needed
- N/A
- We keep exposed pipes covered.
- I had to change dates to make it more comfortable for others
- We have had to plan important days based off weather.
- I wear a long sleeve, a shirt, a jacket, leggings, jeans, and two pairs of socks then I have to bring contact solution to keep my eyes hydrated.
- We changed out sports schedule
- N/A
- I have to get up earlier to put hot water with salt on my cars window.
- I bought gloves and a hoodie
- I started getting in my car earlier to not be late to school.
- We drove carefully to not cause any sort of accidents in the street
- heating up car more
- We have to heat up water in the bathtub.
- N/A
- N/A
- i don't leave my house
- Moved some indoors, created blocks shelters, and added extra mulch and tarps to protect things that I can
- I wrap my plants and bring any I can.
- I try to cover the plants and shrubs to prevent the freeze from killing them.
- N/A
- Staying home
- I am more cautious about the road conditions and take precaution driving. I also take plants indoors and use a green house to protect them.
- I try to get the big picture before traveling of the weather and make plans according. I installed automatic shut off valves for gas and water in case there is a freeze or my gas line breaks while I am away.
- Staying home
- N/A

- Insulated my pipes and brought my plants in earlier in the year
- Stayed home
- I overcome them by staying indoors and finding ways of warming up inside my home.
- N/A
- No problem yet
- I stayed inside.
- No problem
- Spent less time outdoors. Stayed home most of the time
- N/A
- Delt with plumbing issures
- N/A
- We USED to have cold freezes but not anymore. We used to anticipate cold freezes and plan accordingly.
- Extreme freezes caused me to change my finances and take money from savings to pay for home repairs.
- We bought a space heater to use during the coldest hours and stay bundled up best we could. Avoided driving if there was ice on the roads.
- layer up, go out when sun is out
- N/A
- N/A
- None
- Use salt in the street
- I put my plants inside
- N/A
- None
- Don't travel
- Not effected
- N/A
- We mainly just cover it up with foam or anything to prevent it from freezing up
- Robert Wagner Climate change is a hoax!! You're a bunch of communist idiots!!
- Keep the bare minimum amount of plants and trees.
- there haven't been any so now we have to use more bug spray
- N/A
- Just being prepared and knowing how to dig yourself properly out of a situation involving climate affliction is something not generally taught but thankfully YouTube or Google are a thing. If there is no power because of overnight drop temperatures, try warming up with a small fire. Make sure you have smoke detectors in case you go overboard trying to warm up your home, especially for the gas stove folks.
- I was not affected
- We have pipes near the outside of the house wrapped in foam; we do extra wrapping for extra cold snaps. We also turn off the water and drain our pipes if we'll be gone for any extended periods in the winter.
- Lower thermostat.
- Bundle up when indoors.

- Wrapped the faucets
- Public information in preparing for extreme weather is always welcome.
- I plug in a heater and another blanket or dress in layers. As for my garden cover my crops that are planted.
- Couldn't travel. Too many possibilities of iced over roads.
- Bundle up
- I stocked up on water independently
- No affect
- Ran the heater at a higher temperature for longer
- N/A
- Stayed indoors during cold freeze
- When it is cold, dress warm and stay inside. Limit driving or walking activities outside to prevent accidents and hazards. When it is freezing, the same applies but can be adopted to by using more efficient clothing. As one who lived in Washington State with below zero temperatures, El Paso is relatively mild and sees few freezes. When it is cold you adapt as millions have for centuries.
- Higher energy consumption
- Fruit trees in my property were affected by the freeze
- There is no overcoming.
- N/A
- Make sure my vehicle is prepared for the weather changes.
- I love traveling to cold locations. Experiencing diverse weather conditions makes one tough. Complaining about it and pushing misinformation isn't the answer.
- N/A
- Wrap trees during freeze periods
- N/A
- I changed my plans
- No changes
- No action.
- I don't travel in the winter.

A.5 Spanish Survey Responses to Open Ended Questions: How has extreme heat, heavy rains and flooding, high winds and dust storms, drought, wildfire and other climate stressors like cold freeze affected you, your community or business?

Extreme Heat

Share Your Experience:

- Mucho
- Es más complicado tener un ambiente agradable con cambios extremos en el aumento de la temperature
- Trabajo en un restaurante y conseguir vegetales o frutas frescas y de buena calidad es muy difícil. Aún más teniendo en cuenta los precios
- Me cuesta demasiado dinero tener que pagar pagos de electricidad por el clima.
- me cuesta salir
- No puedo salir a caminar o pasear ; asta muy tarde
- Affects mas
- para pagar utilices
- La falta de un sistema de refrigeración eficiente afecta ambientes laborales.
- Mis facturas son más altas y me afecta en la salud también.
- Al momento de regresar de la escuela a pie, es insoportable el calor
- Me hace muy mal para mi salud.
- Es mas difícil las actividades al aire libre
- No me affects mucho
- Recibo de la luz más alto.
- Es más difícil hacer deporte o ejercicio afuera.
- Mas gasto de luz.

Heavy Rains and Flash Floods

Share Your Experience:

- Goteras

- Afecta la movilidad, ya que mi transporte más recurrente es la Bicicleta
- Las fuertes lluvias dañó el techo de mi casa
- Lluvia de metió adentro de mi casa por el fuerza de la lluvia, y se quebró.
- es difícil salir
- Inundations
- no fuerte lluvia en pasado meses, no affect
- El tráfico es más pesado.
- Pago más alto de facturas
- Mi amiga se inunda y es may difícil sacar el agua
- No
- no tenemos nada de Lluvia
- Llueve poco
- Aquí hay sequía. No aplica este punto.
- Quedarme estancada en la calle por la inundación.
- N/A

High Winds and Dust Storms

Share Your Experience:

- Allergies y asthma
- Poca visibilidad al trasladarse
- Mi salud es específicamente sensible a tormentas de polvo, mi piel se enroncha y mi nariz sangra.
- Me cuesta manejar en los vientos porque mi carro está chiquito
- esta difícil salir hacia afuera
- Menfermo allergist tos
- me da tos bien sequigada
- No aplica
- El polvo aumenta las alegrías con mi familia.
- Es muy pesado estar sacando la tierra
- No puedo usar mi bicicleta.
- Daños en la propiedades
- No afecta
- N/A

- Me da mucha alergia
- Las alergias.

Drought

Share Your Experience:

- Mucho
- Aumento en los productos agrícolas
- He visto menos vida salvaje
- No
- no llueve tanto
- Si
- I can't water plants , do outdoor activities
- Ocupo regar mi jardín más seguido de lo normal.
- Hace que esté más caluroso.
- Que se llegue a ir el agua o limiten el uso
- Veo muchas plantas muertas
- No poder regar mi patio
- No me a afectado
- Cosechas perdidas.
- Aumento en el precio de frutas y verduras
- Comprar agua enbotellada.

Wildfire

Share Your Experience:

- Para nada
- Aire más denso
- Mucha ansiedad
- No me affectaron
- no me han affectado
- Mucho sadness

- Non applicable
- No aplica
- El cambio climático me afecta por qué yo son una persona con asma.
- N/a
- No me ha afectado personalmente
- Una lastima no poder visitar las areas de los bosques que son dañadas por los incendios.
- No hay incendios
- Contaminación para los habitantes de la sierra. Enfermedades respiratorias.
- N/A

Other Climate Stressors Like Cold Freeze

Share Your Experience:

- N/A
- Hace difícil la movilidad durante las mañanas
- Mi casa no tiene calentón y tuve que comprar calentones para cada cuarto
- Casi no
- es difícil salir
- Mucho frío dolor de hurto de circulación
- Get very cold in the winter/fall In the summer, get very hot
- No aplica
- Aumentó las alergias con mi familia y el estrés por el aumento de facturas.
- Riumas
- Difícil de solucionar
- En nuestra area el calor afecta mas a nuestra comunidad que las heladas ya casi desaparecidas.
- No me a afectado
- Recibos de gas más altos por el uso de calefacción.
- N/A

A.6 Spanish Survey Responses to Open Ended Questions: How did you overcome the challenges caused by extreme heat, heavy rains and flooding, high winds and dust storms, drought, wildfire and other climate stressors like cold freeze?

Extreme Heat

We (I) overcame the challenge by...

- Con mucho ventilador
- Mantenerme hidratado durante la mayoría del tiempo
- Estar atento de que temporadas van con los vegetales o frutas y editar el menú para incluir los
- Mi familia y yo nos bañamos dos veces al día. Tres cuando el clima sube hasta los 100's.
- pasando tiempo en casa
- Aire ; agua
- Tenedo aire predido todo dia
- Un pequeño abanico ayuda.
- Tuvimos Compramos aires extras para nuestra casa.
- Aire acondicionado
- Me voy a un mall
- No salir de la casa
- Idratacion
- Usando bloqueador, sombrilla, tomando más agua.
- Saliendo únicamente por la noche o antes de que amanezca.
- Prender el ac.
-

Heavy Rains and Flash Flooding

We (I) overcame the challenge by...

- Se batalla para arreglar su traila
- Precauciones al trasladarme
- Tuve que arreglar el techo y invertir dinero en reforzar lo aún más para lluvias
- Nomás lo ignoramos, no pasa nada
- usando carros
- Me boy con vecinos
- no afectado
- No he pasado por eso.

- En mi área no me afectó mucho, es casas más abajo de mi hogar, donde se inunda por el lado donde está la escuela.
- Patio con inclinacion leve a la calle
- No he tenido este tipo de afectaciones.
- No lluvia, no inundaciones
- No hay much a Lluvia
- N/A
- No saliendo cuando hay probabilidad de lluvia.
- N/A

High Winds and Dust Storms

We (I) overcame the challenge by...

- Mojar la Tierra
- Tomar medidas de prevención
- No salgo
- Usamos bolsas de arena para bloquear el viento
- estando en casa
- No salgo
- No salgo para fuera, tomo pastillas de allergies
- No aplica
- Asegurar que el viento no dañará nuestro medio de transporte.
- Poner mayas o mantener todo cerrado
- Aún no se
- Aguantar el calor con las ventanas y puertas cerradas
- Prevencion
- N/A
- Tomando medicamentos

Drought

We (I) overcame the challenge by...

- Uso plantas artificiales
- Dosificar gastos
- Viajo más lejos para poder disfrutar de la naturaleza
- Si, nomás tengo plantado un árbol que se llama Jujubees.
- usando el agua en casa
- No riego
- Stopped watering plants
- No aplica
- Tengo mis plantas adentro y que no ocupen tanta agua.
- Tener reserva
- Exacto tuve que cambiar mis plantas.
- No pude superar la sequia, mi patio esta completamente seco
- None

- Racionar agua. Uso baldes para no desperdiciar agua en regadera.
- Consumiendo menos frutas y verduras
- Tener que comprar mas agua.

Wildfire

We (I) overcame the challenge by...

- Na
- Mantenerme en lugares frescos
- Dono a las comunidades afectas por eso y comparto las historias para que la gente sepa y no cometa los mismos errores
- Mi familia en california estaban en peligro
- estando en casa
- No
- Non applicable
- No aplica
- Tengo más precaución los días más calurosos.
- N/a
- No me ha afectado personalmente
- Es dificil superar la perdida de areas dedicadas a visita de nuestros bosques. Para cuando se recupere el bosque de los incendios yo ya estare Muerto
- No hay incendios
- N/A
- N/A

Other Climate Stressors Like Cold Freeze

We (I) overcame the challenge by...

- Trato de ir fuera de aquí
- Tomando medidas preventivas
- Mantengo los calentones en los cuartos que uso más prendidos todo el tiempo
- Cambié mis planes de viaje
- me e enfermado
- No salgo
- Staying in ; don't go out much
- No aplica
- Tuvimos que comprar calentadores por qué no era suficiente la calefacción.
- Calefaccion
- Todo está cambiando muy rápido
- Es alarmante como el calor esta afectando a toda la nacion, lo supere visitando ciudades al norte del pais en epocas de invierno, que en años anteriores era mas dificil hacerlo.
- Prevencion

- Más cobijas.

A.7 Demographic Survey Responses: Which income range does your household income fall into? (Select the appropriate income bracket.)

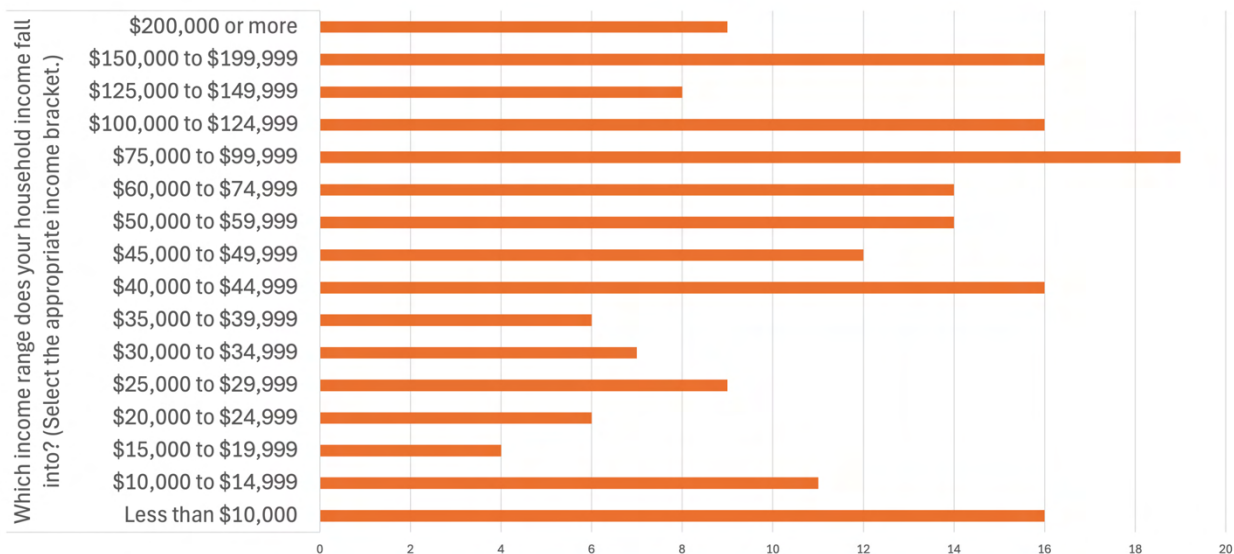


Table 4 - Household Income

Of the **167 respondents** that took the question, **9 respondents** preferred not to answer. The data presented shows the distribution of income levels across various ranges. Notably, income brackets with the highest frequency include those earning **less than \$10,000 (16)**, **\$40,000 to \$44,999 (16)**, **\$75,000 to \$99,999 (19)**, and **\$150,000 to \$199,999 (16)**, indicating a broad spread of income levels within the population. The lowest frequency is observed in the **\$15,000 to \$19,999** range, with only 4 individuals falling into this category, suggesting fewer individuals within that income bracket. Meanwhile, middle-income ranges, such as **\$50,000 to \$74,999**, show consistent representation, with **14 individuals** in both **\$50,000 to \$59,999** and **\$60,000 to \$74,999** categories. Higher-income brackets, such as **\$200,000 or more**, see a lower frequency of 9 individuals. This data highlights a diverse income distribution, with concentrations in both lower and mid-to-upper income ranges of respondents.

A.8 Demographic Survey Responses: Which gender do you identify with? (Select one)

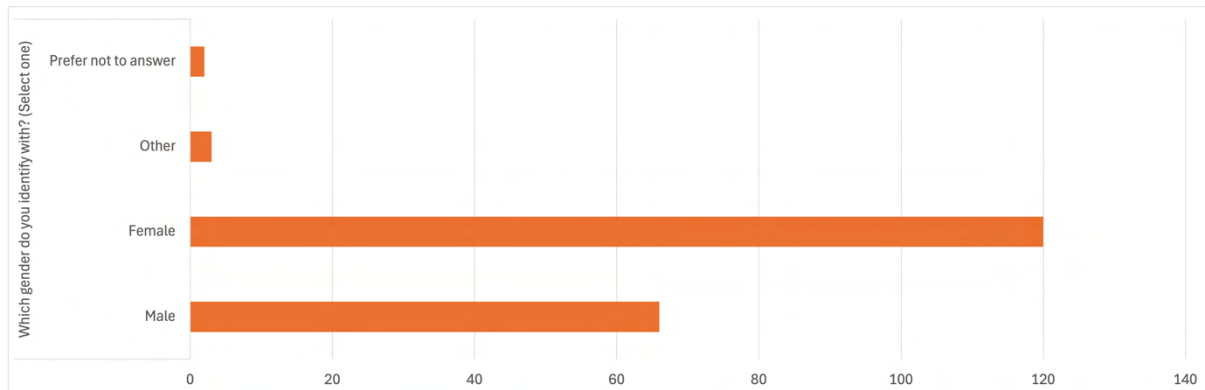


Table 5 - Gender

Out of the **total 191 participants**, the majority identified as **female** with **120 individuals**, followed by **male** respondents at **66**. A smaller portion of the population identified as **Other**, accounting for **3 individuals**, while **2 participants** chose to **prefer not to answer**.

A.9 Demographic Survey Responses: Do you identify as Hispanic, Latino, or Spanish origin?

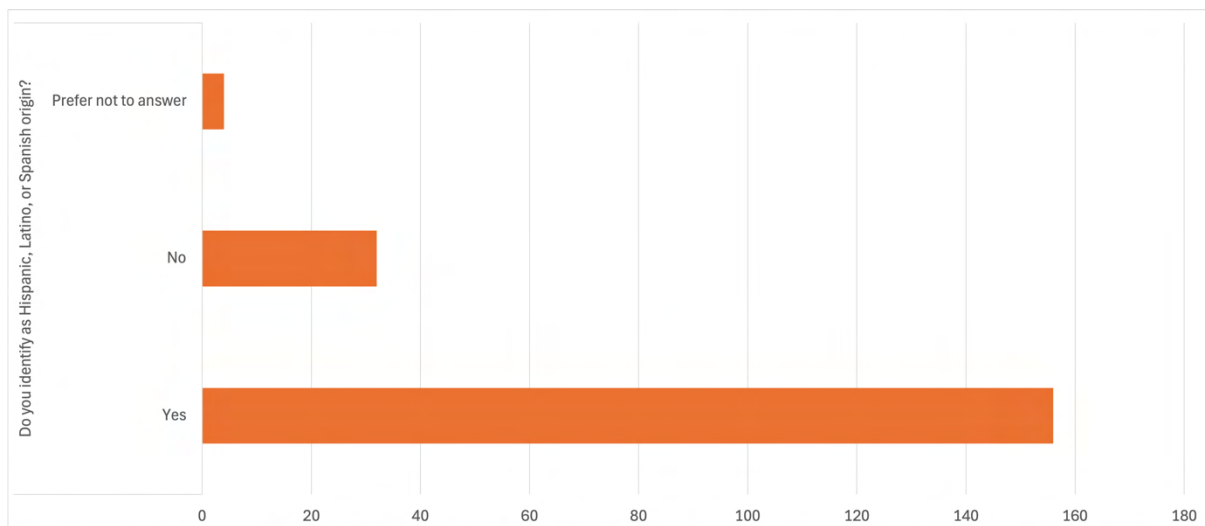


Table 6 - Hispanic, Latino or Spanish Origin

Out of the **192 respondents**, **156 identified** themselves as being Hispanic, Latino, or of Spanish origin. In contrast, **32 individuals** do not identify with this background, while **4 participants** chose to **prefer not to answer**. Overall there was a strong representation of individuals with Hispanic, Latino, or Spanish heritage within the

surveyed group, highlighting the cultural and demographic makeup of the population. The inclusion of respondents who preferred not to disclose their origin also underscores the importance of respecting privacy in data collection.

A.10 Demographic Survey Responses: What race do you identify with? (Select one)

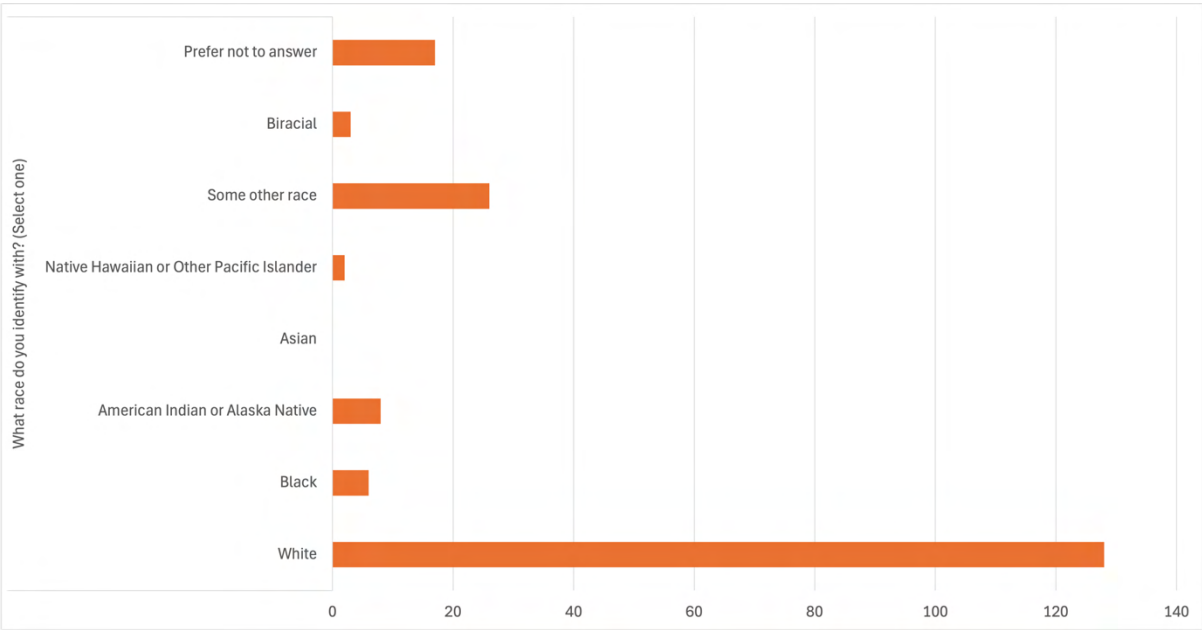


Table 7 - Race Identity

A total of **190 participants** answered this question with a majority of **128 individuals**, identifying as **White**, while **6 individuals** identified as **Black** and **8 as American Indian or Alaska Native**. **No respondents** identified as **Asian**, and **2 individuals** identified as **Native Hawaiian or Other Pacific Islander**. Additionally, **26 individuals** selected **Some other race**, and **3 individuals** identified as **Biracial**. A notable **17 participants** chose to **prefer not to answer**. This data highlights the predominance of White-identifying respondents while also reflecting the presence of racial diversity and a significant number of individuals who opted for alternative or non-disclosed identities.