



CLEAN CITIES COALITION

STAKEHOLDER MEETING

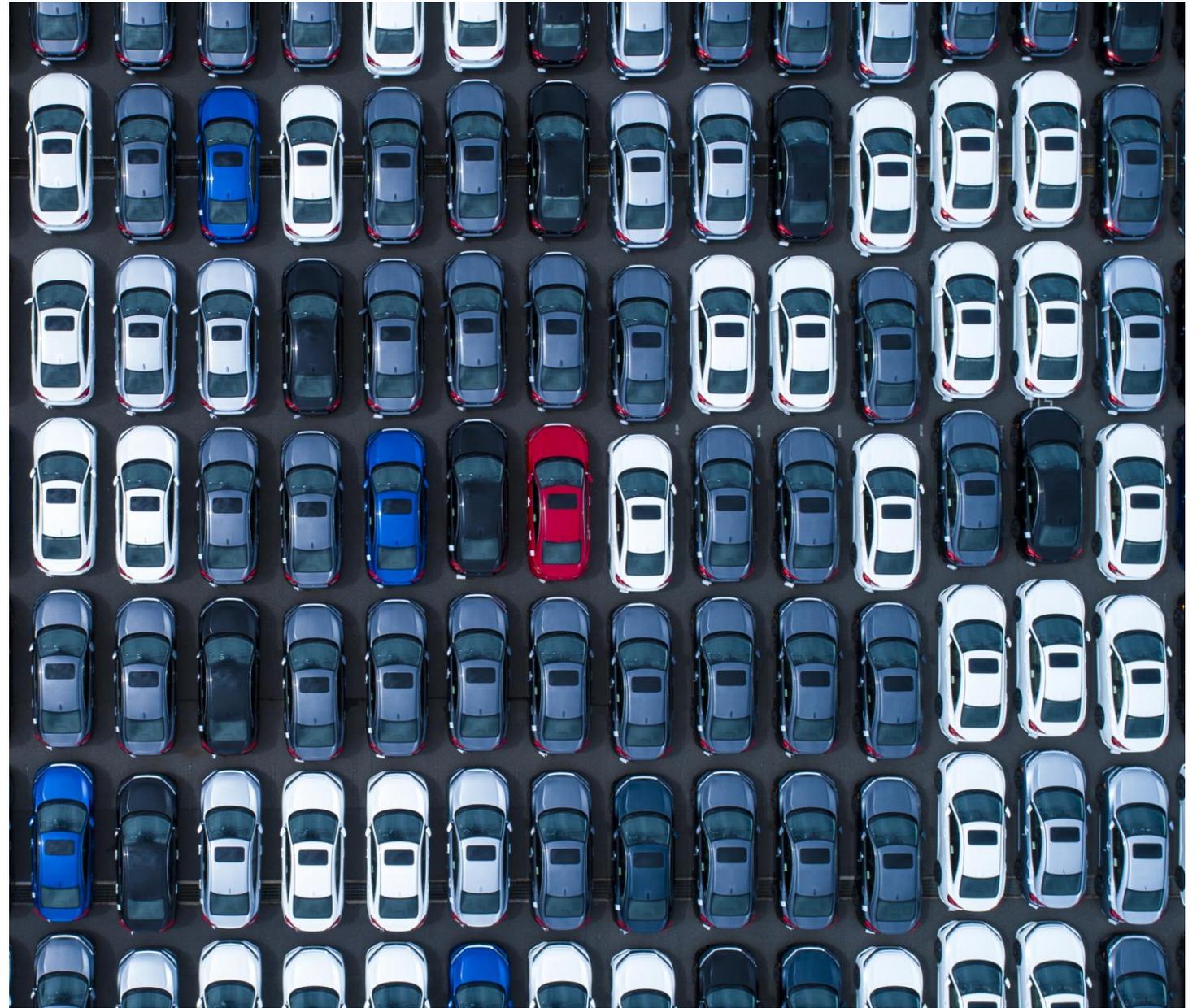
JULY 20, 2023

OVERVIEW

- Clean Cities overview and updates
- Paul Bordenkircher
 - Public Relations Lead, Nevada Electric Vehicle Association
- Olivia Burns
 - Environmental Specialist, Clark County
- Kevin MacDonald
 - Public Information Administrator, Clark County



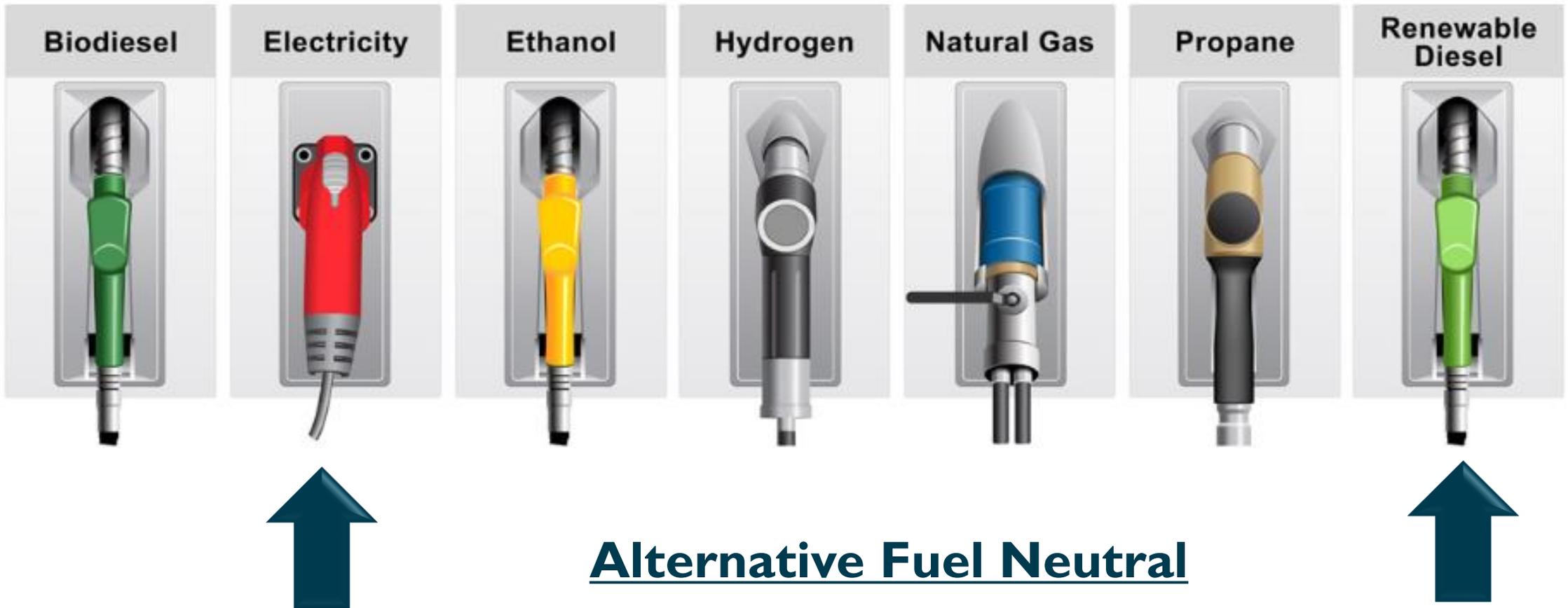
CLEAN CITIES RECAP AND UPDATES



- National network through the US Department of Energy
- Goal:
 - Reduce petroleum fuels
 - Approved alternative fuels
 - Idling reduction
- Purpose:
 - Reduce dependence on foreign oil
 - Provide cleaner air
 - Lower greenhouse gas emissions
- 75 Coalitions in the United States
 - ...but no representation in Nevada!
- Clark County is currently working towards a designation



APPROVED ALTERNATIVE FUELS



OFFICIAL NAME

Southern Nevada Clean Cities Coalition

OFFICIAL LOGO

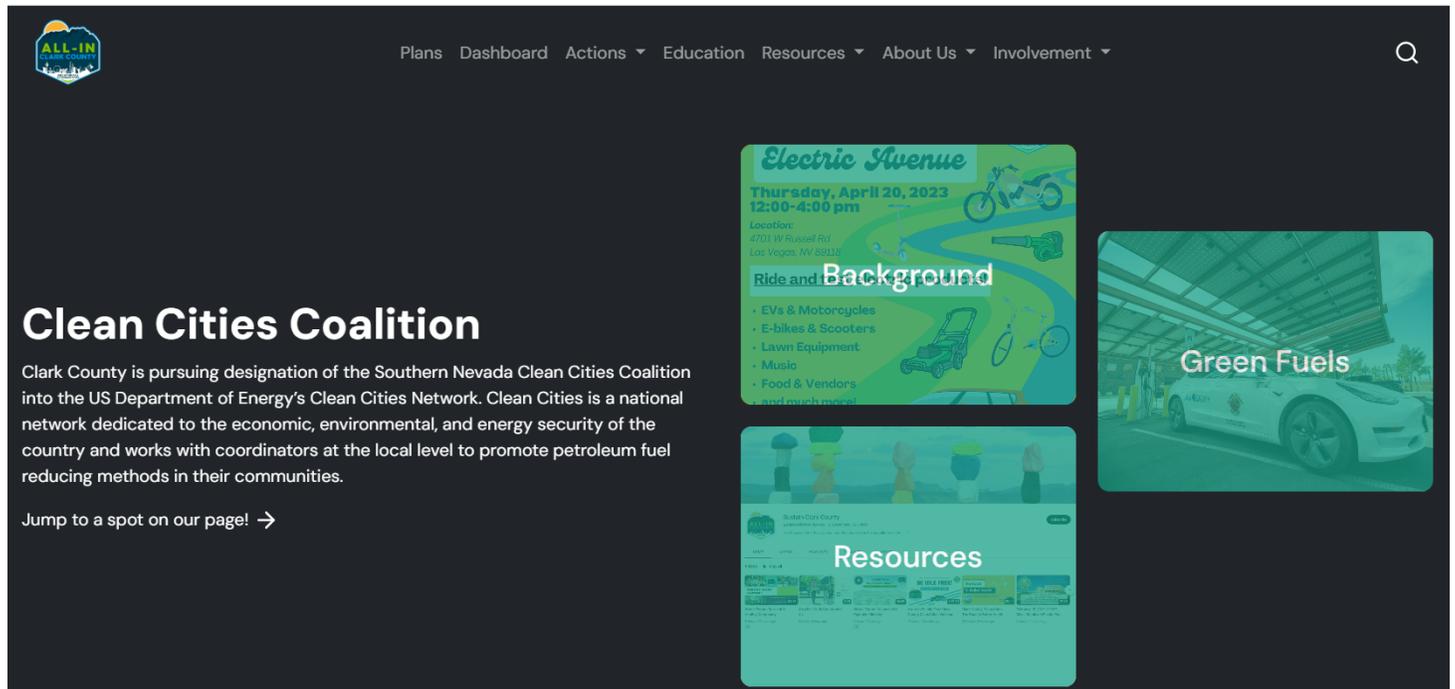


NEW WEBSITE

<https://allin.clarkcountynv.gov/>



SCAN ME





- Determine structure
- Form stakeholder group
- Begin meetings and programming

Complete

- Form Advisory Committee
- Continue meetings and programming
- Turn in a report to the DOE

In Progress

- Form working groups
- Collect relevant data
- Turn in a full report to the DOE

Upcoming

DESIGNATION STATUS

HOW TO PARTICIPATE?

Quarterly Stakeholder Meetings

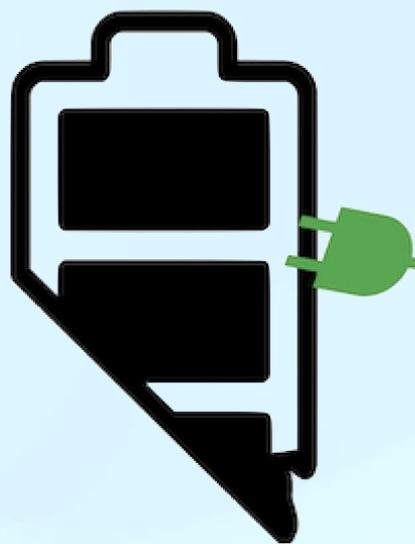
Online Programming

In-Person Events

Join a Working Group

Opportunities to support, present & host





Electric Vehicle

• ASSOCIATION •

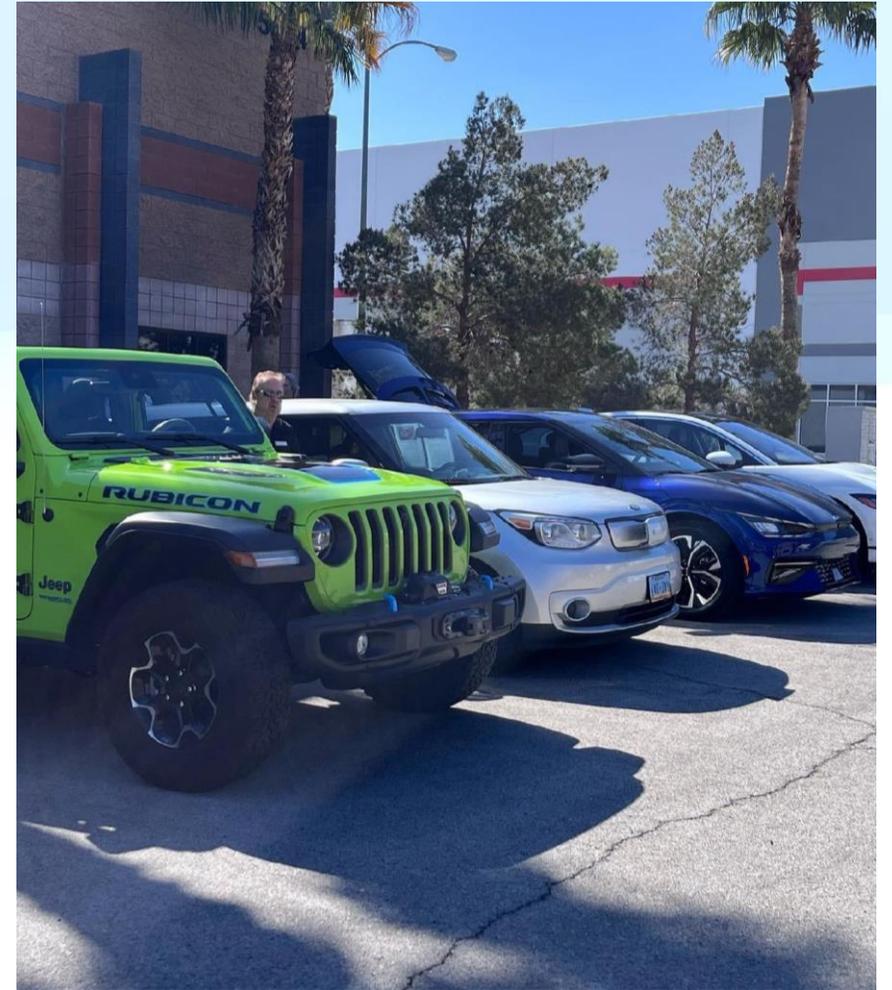
Who is the Nevada EVA?

NVEVA.org

Who is the Nevada EVA?

- **Founded in 1992**
- **Education - Visibility - Advocacy**
- **Special Events**
 - Drive Electric Earth Day - April
 - National Drive Electric Week - September
- **Community Education**
 - Summerlin Library - October

NVEVA.org



Types of Education

EV 101 Slide Deck

- Hybrids vs Plug in vs BEV
- Charging Levels
- Connectors and Apps
- Saving with an EV
 - Time
 - Money
 - Hassle



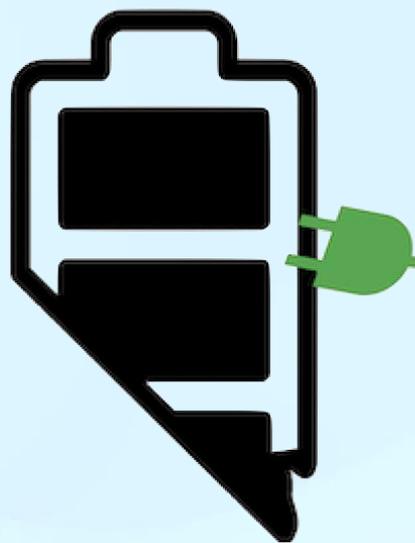
Hyundai Kona Hybrid



Toyota Prius Prime PHEV



Tesla Model 3



Electric Vehicle

• ASSOCIATION •

Thank You!

Going All-Out for an All-In education!

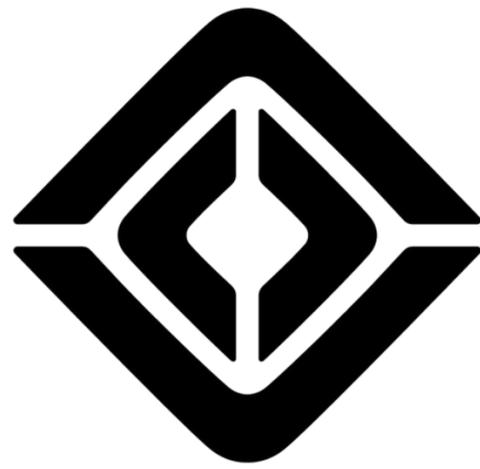


All-In Sustainability Leaders Program



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Olivia Burns
Environmental Specialist
Office of Sustainability
Olivia.Burns@ClarkCountyNV.gov



**RIVIAN
DEMO DAY
WEDNESDAY JULY 26
8:30 AM - NOON**



**Registration required:
publicinput.com/rivian**



**TEST DRIVE ELECTRIC VEHICLES - MEET THE RIVIAN TEAM!
LEARN MORE ABOUT CHARGING, WHEELS AND TIRES!**



CLEAN TRANSPORTATION TESTIMONIALS

DO YOU HAVE A SUCCESS STORY ABOUT OWNING OR LEASING AN ELECTRIC VEHICLE?

Clark County's Office of Sustainability wants to hear from you!

We are collecting photo and video testimonials from people across the county who love their electric vehicles!

**OPEN UNTIL
SEPTEMBER 15**

publicinput.com/cleanev





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air quality



desert conservation
PROGRAM



sustainability



About DES

Kevin J MacDonald

Public Information Officer

Clark County Department of Environment & Sustainability

About DES



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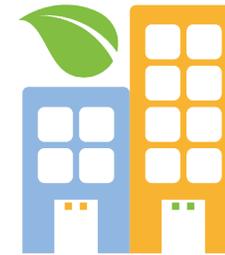
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AND SUSTAINABILITY



division of
air quality

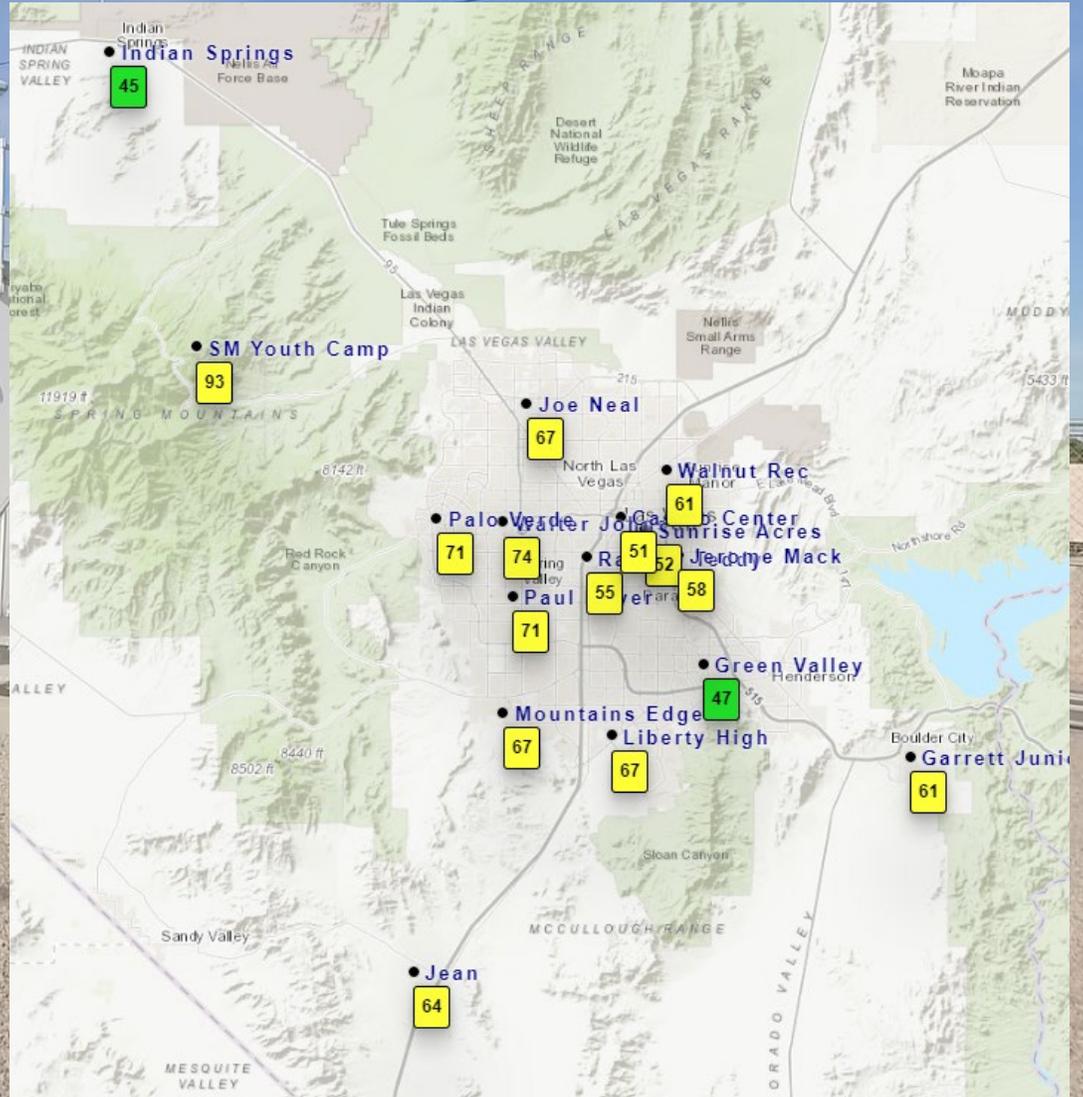


desert conservation
PROGRAM



sustainability

About DES



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Air Quality Monitoring

Air Quality Index (AQI) Values	Levels of Health Concern	Colors
<i>When the AQI is in this range:</i>	<i>...air quality conditions are:</i>	<i>...as symbolized by this color:</i>
0 – 50	Good	Green
51 – 100	Moderate	Yellow
101 – 150	Unhealthy for Sensitive Groups	Orange
151 – 200	Unhealthy	Red
201 – 300	Very Unhealthy	Purple
301 – 500	Hazardous	Maroon



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Air Permit Writing & Renewal



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Source Inspections



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Enforcing Compliance



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What Causes Air Pollution?



Visibility Camera - North View
Wednesday, Aug. 11, 2021 - 7:45 a.m. PDT

Lone Mountain
20 miles



Orleans Hotel
10 miles



South Point Hotel
3 miles



Sheep Mountain
9750 ft elevation
40 miles



Mandalay Bay
Hotel
9 miles



Gass Peak
6943 ft elevation
30 miles



Wynn Hotel
11 miles



Stratosphere Hotel
13 miles



What Causes Air Pollution?

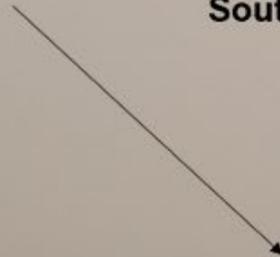


Visibility Camera - North View
Saturday, Aug. 7, 2021 - 7:45 a.m. PDT

Lone Mountain
20 miles



Orleans Hotel
10 miles



South Point Hotel
3 miles



Sheep Mountain
9750 ft elevation
40 miles



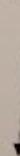
Mandalay Bay
Hotel
9 miles



Gass Peak
6943 ft elevation
30 miles



Wynn Hotel
11 miles



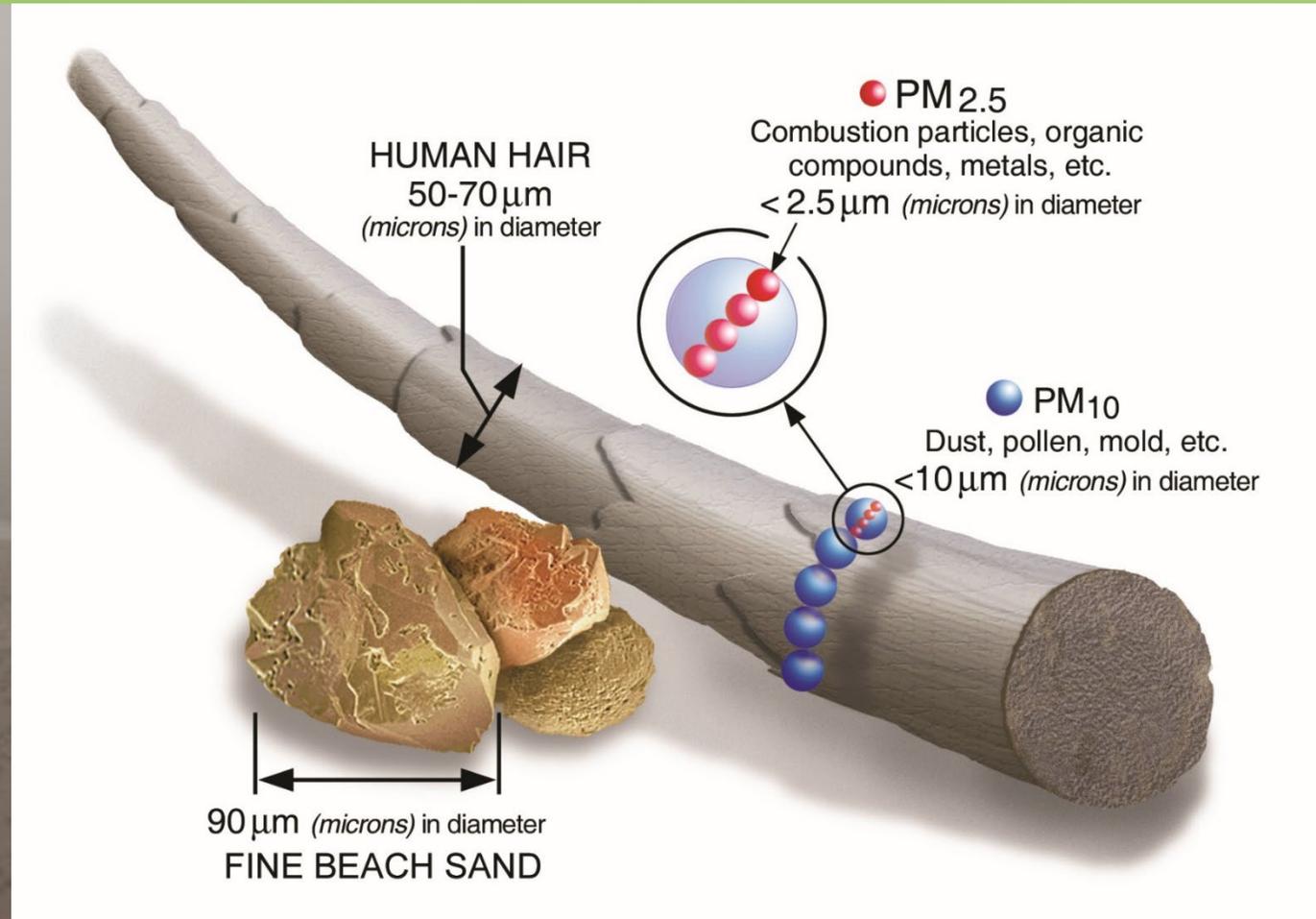
Stratosphere Hotel
13 miles



Particulate Matter

PM₁₀

PM_{2.5}



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Ozone

WHAT CAUSES OZONE?

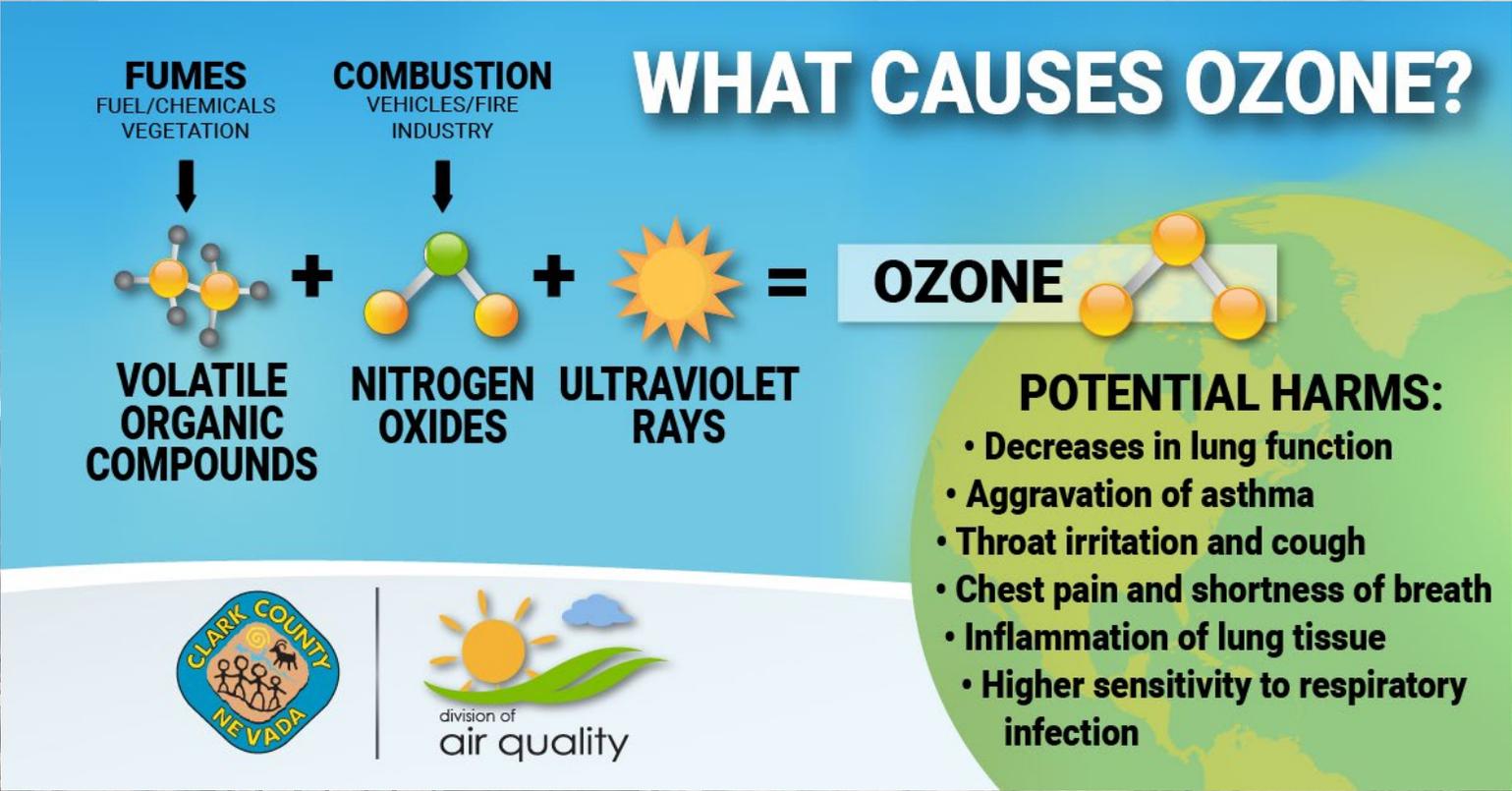
FUMES
FUEL/CHEMICALS
VEGETATION

COMBUSTION
VEHICLES/FIRE
INDUSTRY

VOLATILE ORGANIC COMPOUNDS + **NITROGEN OXIDES** + **ULTRAVIOLET RAYS** = **OZONE**

POTENTIAL HARMS:

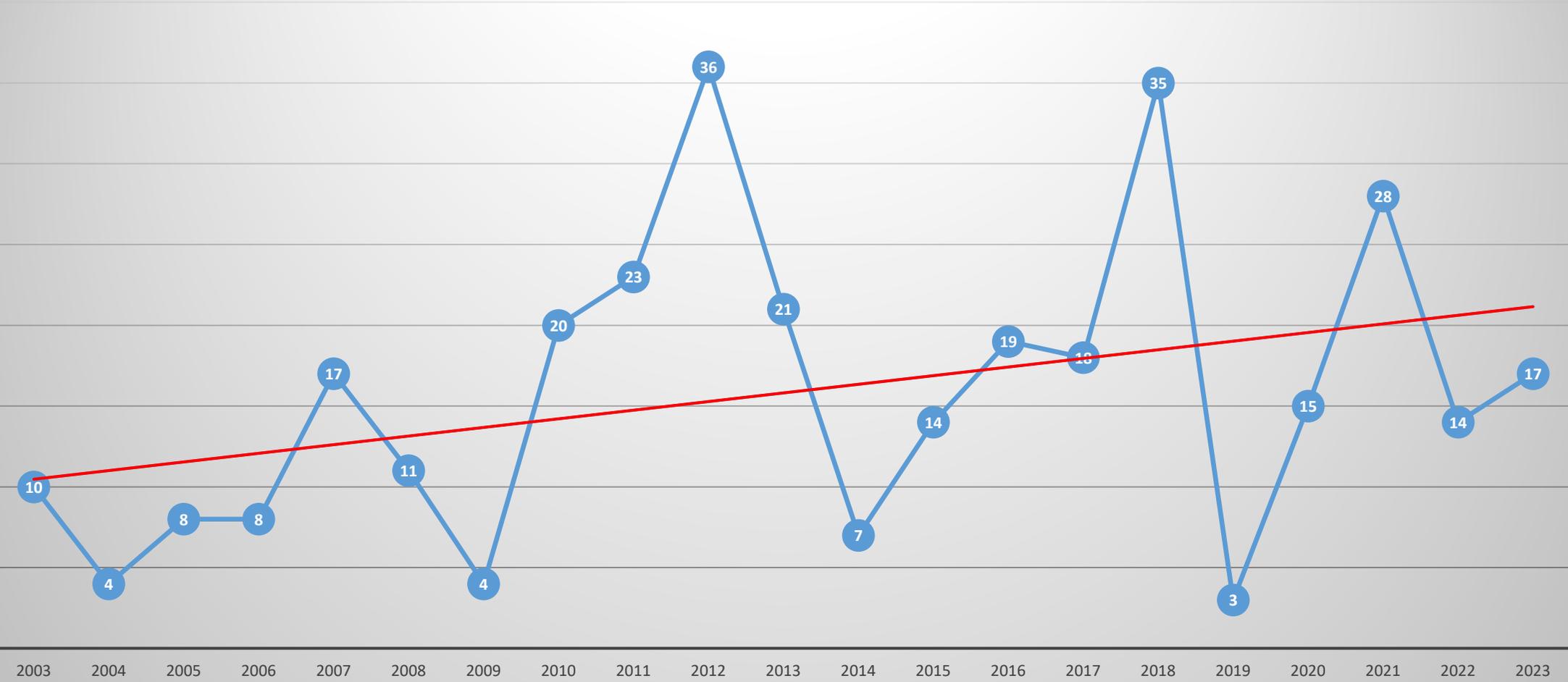
- Decreases in lung function
- Aggravation of asthma
- Throat irritation and cough
- Chest pain and shortness of breath
- Inflammation of lung tissue
- Higher sensitivity to respiratory infection



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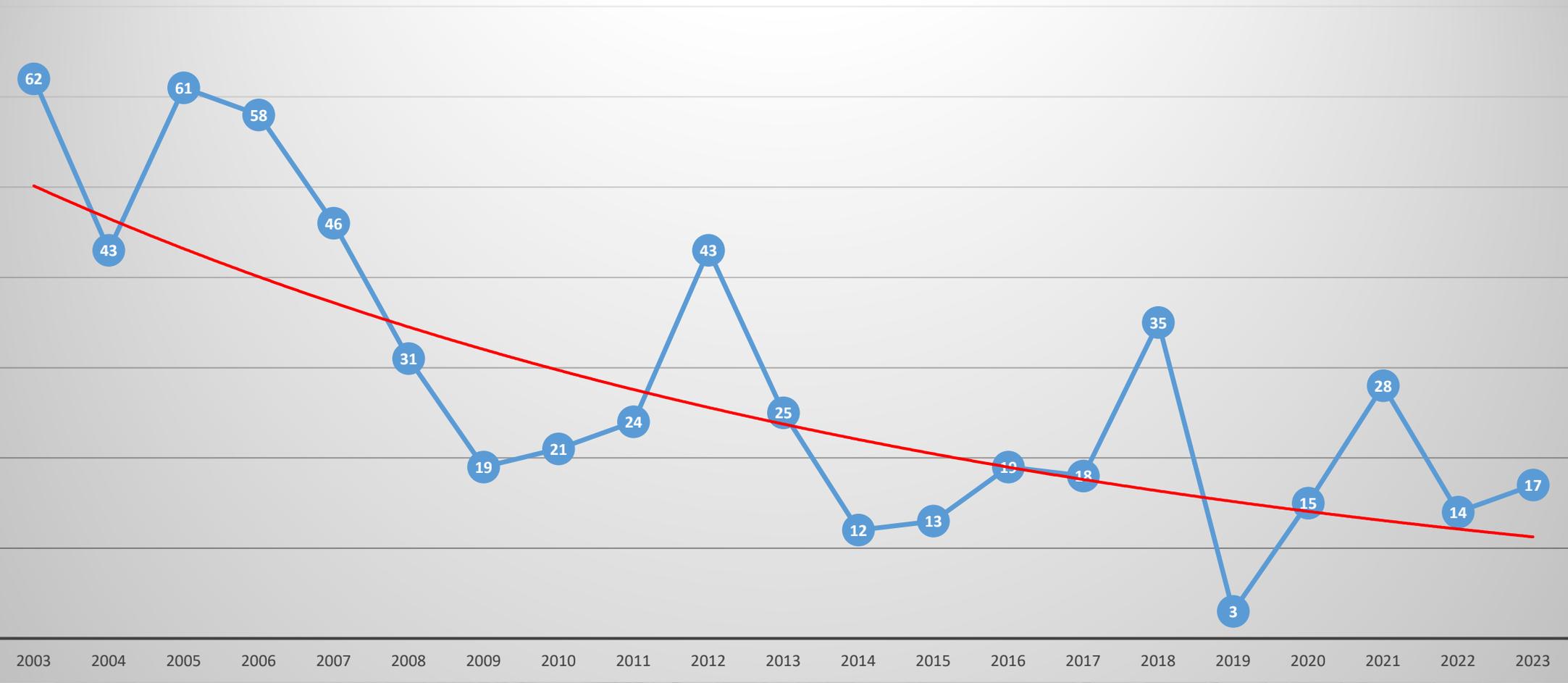
Ozone

CLARK COUNTY EXCEEDANCE DAYS (ACTUAL)



Ozone

OZONE DAYS, 71 ppb or HIGHER



Protect Your Health

- Always consult your doctor first for medical advice
- Reduce the time you are active outdoors
- Schedule activities for the morning or evening
- Substitute a less intense activity



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Protect Your Health

- Limit outdoor exertion
- Keep windows & doors closed
- Run the A/C
- Check your indoor air filters
- For dust, drive slowly on unpaved roads
- Don't take shortcuts on vacant lots
- Drive off-road vehicles in approved areas only.



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Helpful Tips to Reduce Ozone

- Reduce driving – combine errands into one trip
- Don't idle your car engine unnecessarily
- Use mass transit or carpool
- Fill up your gas tank after sunset
- Keep your car well maintained
- Reduce use of gas-powered landscaping equipment
- Turn off lights and electronics when not in use



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FOR OFFICIAL USE ONLY
CLARK COUNTY, NEVADA



Questions



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Keep in Touch!



SUSTAIN CLARK COUNTY



@SUSTAINCLARKCTY



SUSTAINCLARKCOUNTY

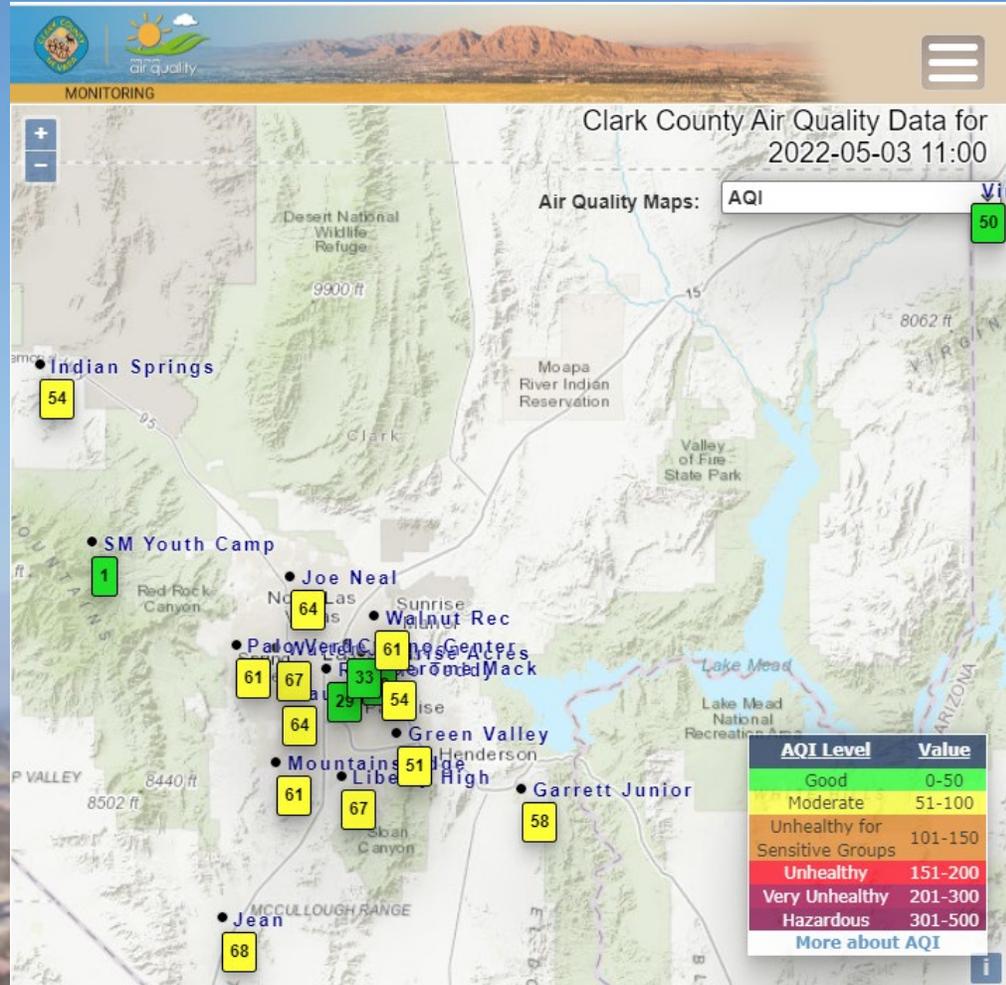


WWW.ENVIROFLASH.COM



AIRnow APP

<https://DESAQMonitoring.ClarkCountyNV.gov/AgilaireWeb/>



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Thank You!



kevmac@ClarkCountyNV.gov
702-455-6131



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UPCOMING

- Drive Electric Week
 - Webinar on Monday, September 25
 - More events to be announced soon!
- In-Person Stakeholder Meeting
 - Wednesday, November 1
 - 500 S Grand Central Pkwy



THANK YOU!

Nicole Wargo, Clark County Sustainability Fellow & Clean Cities Acting Director

Nicole.Wargo@ClarkCountyNV.gov