



CLARK COUNTY CLEAN CITIES

STAKEHOLDER MEETING

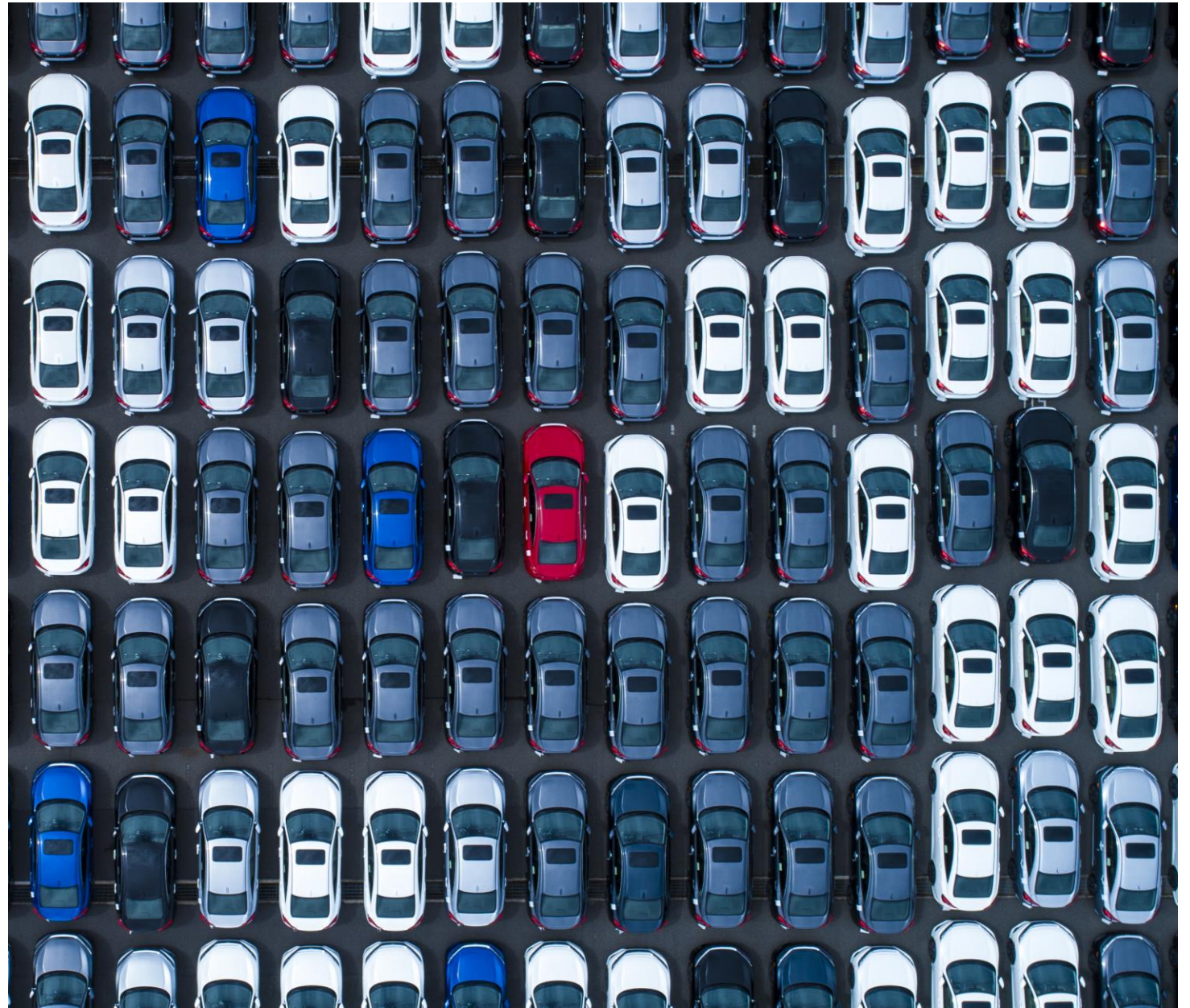
JANUARY 18, 2023

OVERVIEW

- Clean Cities Recap
- Updates and Progress
- RTC's Club Ride
 - Patricia Christianson, Program Manager
- Clark County's Community Plan & Model EV Charger Ordinance
 - Sam Baker, Sustainability Program Administrator



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



WHY CLEAN CITIES?

Funding opportunities

National recognition

Collaborative space for the community

Capacity building

Cleaner air and fewer greenhouse gas emissions!



APPROVED ALTERNATIVE FUELS



US Department of Energy, [Alternative Fuels Data Center](#)



Alternative Fuel Neutral



1

Clark County

- Houses Coalition
- Funds Director

2

Director (Coordinator)

- Leads Coalition
- Creates programming
- Produces DOE reports

3

Advisory Committee

- Provides guidance
- Creates projects
- Supports DOE reports

4

Working Groups

- Coming soon!
- Determined by
Advisory Committee

5

General Stakeholders

- Anyone interested in
learning about
sustainable
transportation!

STRUCTURE

2023 ADVISORY COMMITTEE

- | | | | |
|------------------------------------|---------------------------|------------------------------------|---------------------------|
| ■ City of Henderson | <i>Carla Burrell</i> | ■ NV Clean Energy Fund | <i>Kirsten Stasio</i> |
| ■ City of Las Vegas | <i>Marco Velotta</i> | ■ NV Clinicians for Climate Action | <i>Dr. Joanne Leovy</i> |
| ■ City of North Las Vegas | <i>Leonardo Benavides</i> | ■ NV Dept of Transportation | <i>Kandee Bahr Worley</i> |
| ■ Clark County | <i>TBD</i> | ■ NV Conservation League | <i>Kristee Watson</i> |
| ■ Clark County School District | <i>Mark Campbell</i> | ■ NV Energy | <i>Randy Koss</i> |
| ■ Harry Reid International Airport | <i>Brad Tomm</i> | ■ NV Franchised Auto Dealers | <i>Andrew MacKay</i> |
| ■ LV Valley Water District | <i>David Bourn</i> | ■ Regional Transp. Commission | <i>Deborah Reardon</i> |
| | | ■ Southwest Gas | <i>Justin Mahana</i> |



- 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 sponsor, present & host



PATRICIA CHRISTIANSON

Program Manager,
RTC's Club Ride



Regional
Transportation
Commission of
Southern Nevada:

**Club Ride
Commuter Services**



What is Club Ride?

Over 300 Partners!



Federally
Funded



Green
Transportation



Business
Community



Traffic
Mitigation



Air
Quality



Business Community



335 Partners



600 + Events



14,000+
Participants

**CLUB
RIDE** 
COMMUTER SERVICES


RTC



Be different.
Be good.
Win prizes.

RTCSNV.COM/CLUBRIDE

CLUB
RIDE 
COMMUTER SERVICES


RTC

SAM BAKER

Sustainability Program
Administrator, Clark County



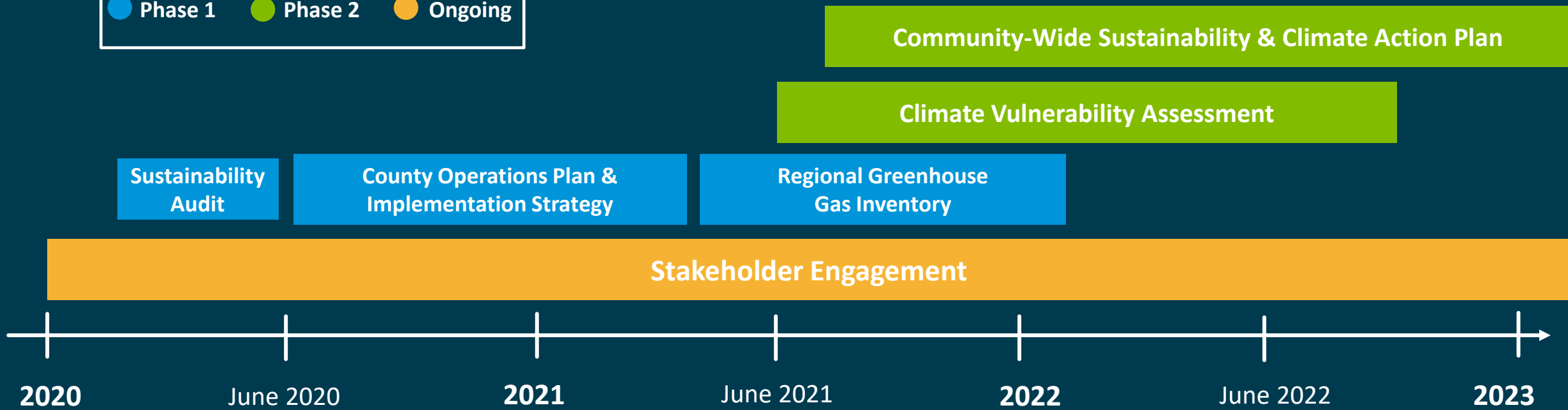
ALL-IN CLARK COUNTY & SUSTAINABLE TRANSPORTATION





All-In Clark County Planning Timeline

● Phase 1 ● Phase 2 ● Ongoing



ALL-IN CLARK COUNTY

- Sustainability Initiatives
 - Reduce greenhouse gas emissions 100% by 2050
 - A resilient, equitable future for the region
 - Implementable actions
- Consists of:
 - County Operations Plan
 - Greenhouse Gas Inventory
 - Climate Vulnerability Assessment
 - Community Plan (out for Public Comment)



34%



BUILDINGS
(41,127 MTCO₂e)

34%



STREETLIGHTING
(42,076 MTCO₂e)

23%



EMPLOYEE COMMUTE
(28,571 MTCO₂e)

9%



VEHICLE FLEET
(10,725 MTCO₂e)

**CLARK COUNTY OPERATIONAL
GREENHOUSE GAS EMISSIONS**
(MTCO₂e)

COUNTY OPERATIONS PLAN (2020)



CLEAN & RELIABLE ENERGY



RESILIENT COUNTY OPERATIONS

5



SMART WASTE MANAGEMENT & REDUCTION

KEY AREAS



SUSTAINABLE TRANSPORTATION

With this Plan, Clark County will focus on these five key areas as they relate to County operations:



WATER CONSERVATION & PROTECTION

COUNTY OPERATIONS PLAN (2020)



SUSTAINABLE TRANSPORTATION

GOALS

- Reduce emissions from vehicles in County operations.
- Support County employee commuting alternatives.
- Promote policies, programs, and infrastructure investments that prioritize multi-modal, clean, efficient transportation options throughout Clark County.

ACTIONS

Establish a formal vehicle purchasing and replacement policy that considers right-sizing of vehicles, assesses life-cycle costs and benefits, and shifts the County fleet to low-/zero-emission vehicles.

Install electric vehicle charging infrastructure needed to support County staff vehicles.



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TRANSPORTATION ELECTRIFICATION WORKING GROUP

- Guide transportation electrification planning and policy
- First year focus on passenger/light duty transportation sector
 - Leveraging experience of Clark County and other public and private fleets
 - Developing a model EV Infrastructure Ordinance
 - Regional problem = regional response
 - Utility needs consistent and predictable approach for planning and delivery
 - Developers prefer uniform requirements across jurisdictions
 - Focus on EV capable
- Future phase may tackle other agency fleets, medium and heavy-duty vehicles, and transportation network companies

DRAFT MODEL ORDINANCE

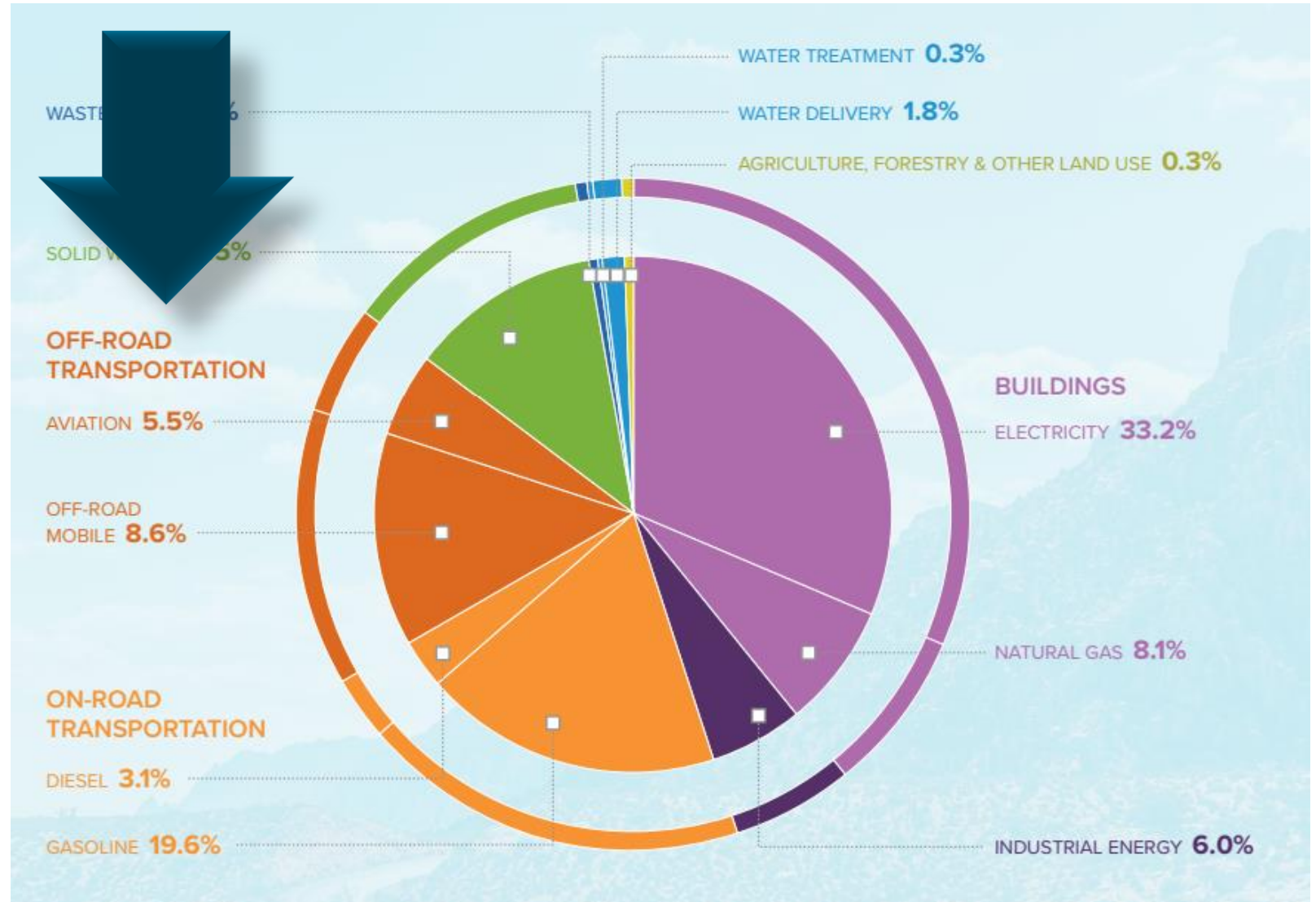
- **Applicability**
 - Ordinance requirements apply to new development
- **General Infrastructure Requirements**
 - EV Capable – panel capacity plus conduit to parking space
 - EV Charging Installed – EV charging station installed
 - Varies from 2% installed to 25% capable, depending on land use
- **Number of Spaces**
 - Parking requirements are intended to provide minimum standards
 - EV capable and EV installed parking spaces count towards minimum parking space requirements
- **Direction to Staff to Move Forward**

GREENHOUSE GAS INVENTORY (2021)

■ Based on 2019 data

SOURCE	MTCO ₂ e	% OF TOTAL
Off-Road Transportation	4,145,745	14.1%
Off-Road Mobile	2,511,500	8.6%
Aviation	1,608,713	5.5%
Waterborne Navigation	17,589	0.1%
Railways	7,944	0.0%

On-Road Transportation	6,734,219	23.0%
Gasoline	5,747,487	19.6%
Diesel	904,285	3.1%
Electric	8,705	0.0%
CNG	6,483	0.0%
Transit CNG	51,029	0.2%
Transit Biodiesel	16,230	0.1%



COMMUNITY PLAN (2023)

Plan Focus Areas

The *All-In Community Plan* has six focus areas. Focus areas help us be sure to prepare for all the ways climate change will impact Clark County, and to put ourselves on a path that eliminates our contributions towards climate change.



Clean & Reliable Energy



Connected & Equitable Mobility



Diverse & Circular Economy



Sustainable Water Systems



Resilient & Healthy Community



Smart Buildings & Development

COMMUNITY PLAN (2023) – CONNECTED & EQUITABLE MOBILITY

THE *ALL-IN* VISION

Develop a safe, connected, and accessible transportation system that prioritizes low-carbon mobility, public transportation, and active lifestyles.

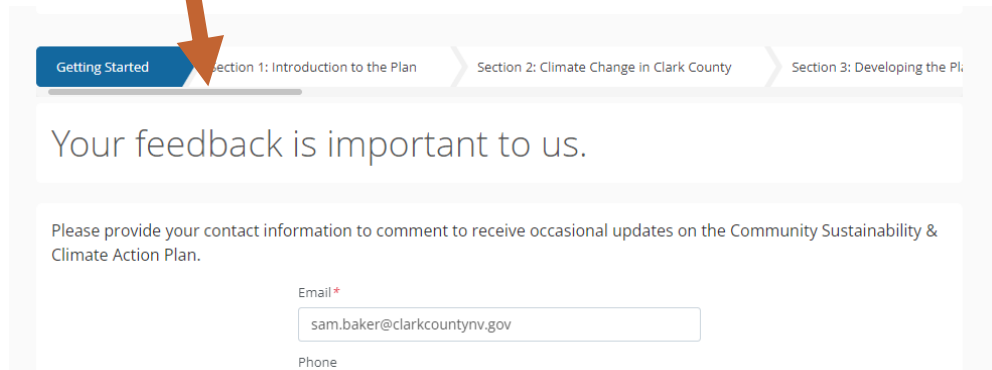
Goal 2: The transportation system minimizes energy use and eliminates fossil fuels.

2.1 Transition passenger and light-duty vehicles to zero emission vehicles.

2.1.A	Establish incentives for electric vehicle upgrades for low-income drivers and people interested in used electric vehicles.
2.1.B	Establish incentives to encourage installation of electric vehicle charging infrastructure at residential and commercial locations, including a pilot program for multi-family residential properties and underserved communities.
2.1.C	Incentivize tourism-supporting fleets to drive and promote zero emission vehicles.
2.1.D	Accelerate the electrification of ground support equipment at Harry Reid International Airport.
2.1.E	Transition public light-duty fleet to alternative fuel vehicles.

PROVIDE COMMENTS!

Can comment on one or all sections



The screenshot shows a public comment form with a navigation bar at the top. The navigation bar has four items: "Getting Started" (highlighted in blue), "Section 1: Introduction to the Plan", "Section 2: Climate Change in Clark County", and "Section 3: Developing the Plan". Below the navigation bar, the text "Your feedback is important to us." is displayed. Underneath, there is a request for contact information: "Please provide your contact information to comment to receive occasional updates on the Community Sustainability & Climate Action Plan." There are two input fields: "Email*" with the value "sam.baker@clarkcountynv.gov" and "Phone".

GIVE US YOUR THOUGHTS

on the All-In Clark County
Community Sustainability
& Climate Action Plan.



**PUBLIC COMMENT
ENDS JAN. 27.**

www.publicinput.com/GoAllin

“Early Bird” Registration Ends 1/23/2023! Registration closes 1/27/2023

Nevada Clean Energy & Transportation Conference

Feb. 2-3, 2023

Accelerating Nevada on the Road to a Brighter Future.

Peppermill Resort Hotel & Casino, Reno, NV



LEARNING AND NETWORKING OPPORTUNITY

CLEAN CITIES

WRAP-UP





UPCOMING

- February 23: Health Webinar
 - Dr. Joanne Leovy, NV Clinicians for Climate Action
- March 23: Idling Webinar
 - Justin Mahana, Southwest Gas
 - Norma Havens, USA Fleet Solutions
 - Ron Zima, Go Idle Free
- April TBD: In-Person Meeting

SUMMARY

- Goal: Reduce petroleum fuels
- A space for the community on sustainable transportation and alternative fuels
- Many ways to participate
- Apprenticeship designation is in progress
- Please submit comments for the Community Sustainability and Climate Action Plan
- Join us next month to learn about health impacts of petroleum fuels!





THANK YOU!

NICOLE WARGO, CLARK COUNTY SUSTAINABILITY FELLOW

CLEAN CITIES COALITION

NICOLE.WARGO@CLARKCOUNTYNV.GOV



SCAN ME