



# **Future Models: 2024 California Vehicle Survey**

**Demand Analysis Working Group Meeting**

**July 31, 2023**



# What Is California Vehicle Survey?

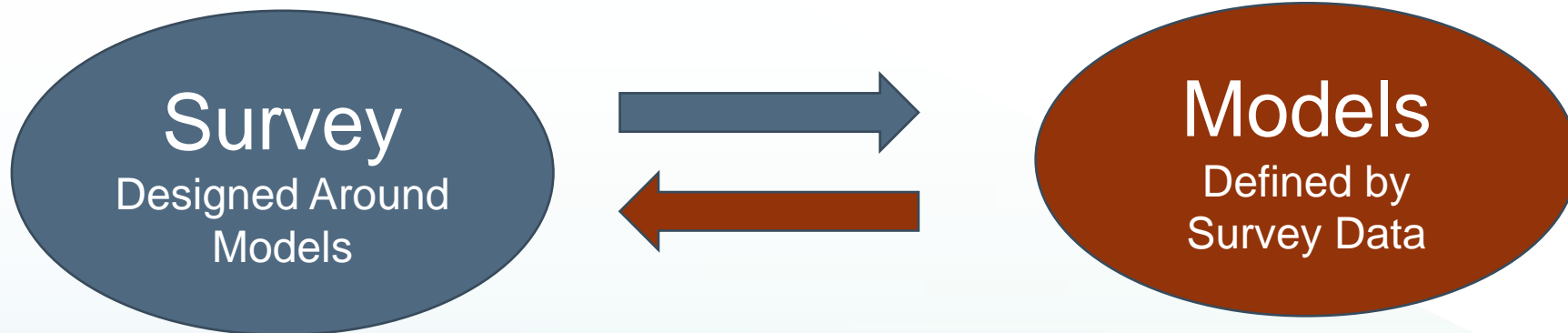
- California Energy Commission periodically conducts a survey of household and commercial vehicle fleet owners to evaluate consumer preferences for near term vehicle transactions and the type of vehicles they plan to purchase.
- The survey collects data on both revealed preferences (RP) and stated preferences (SP).
- RP and SP data are then used to estimate parameters of vehicle ownership, transaction and choice utility equations.
- The estimated parameters are input into existing vehicle demand forecasting models that are used to forecast transportation energy demand in California.



# Survey Project: Not Just a Survey

The survey project is composed of:

- A. The light duty vehicle owner **Surveys**
- B. The light duty vehicle choice **Models**





# 2024 Survey Timeline







# 2024 Survey

Stated preferences surveys allow us to assess preferences for technologies that are not yet commercialized.

Future technologies include:

- Autonomous vehicles (AV) for personal use, likely to be available in 2030 or later.
- Vehicle to Grid V2G capabilities.

We aim to integrate AVs into the forecasting models.

We like to gain insights into V2G behavior.



# Your Perspectives Matters

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We highly value feedback, particularly from electric utilities, on **V2G questions** as they relate to utilities.

While the survey questions have limits, and mostly focus on consumer behavior, please feel free to suggest any number of questions, from any perspective as they relate to V2G.

Thank you in advance.



# Whom to Contact?

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With much appreciation, please contact me with your feedback:

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