

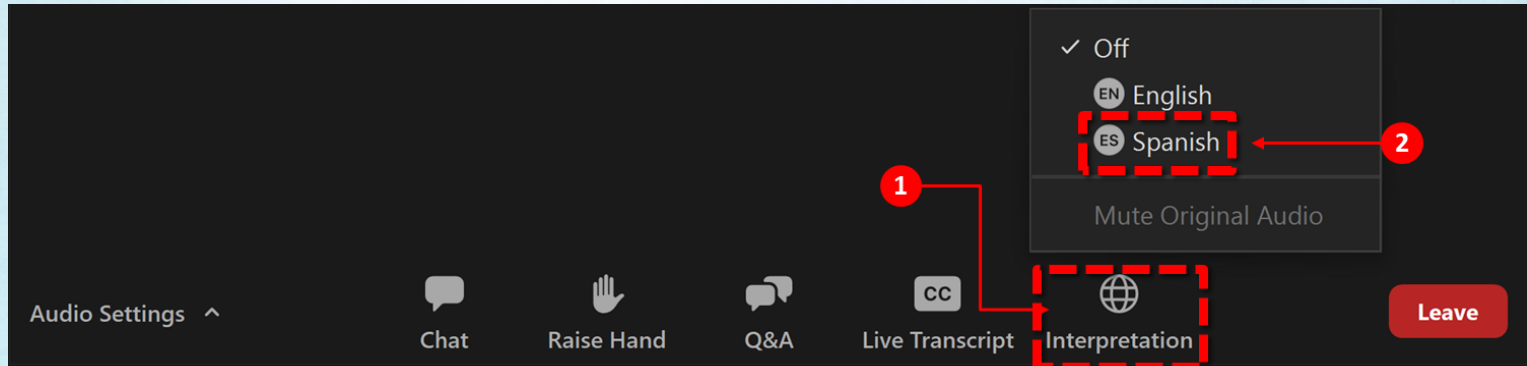


# **Landscaper Workgroup: Small Off-Road Engines**

May 28, 2025

# Language Access / Interpretación

1. In your meeting/webinar controls, click **Interpretation**.  
En los controles del reunión, marca **Interpretación**.
2. Click the language that you would like to hear.  
Marca el idioma que le gustaría escuchar.
3. To only hear the interpreted language, click **Mute Original Audio**.  
Para escuchar solo el idioma interpretado, silencia el **Audio Original**.

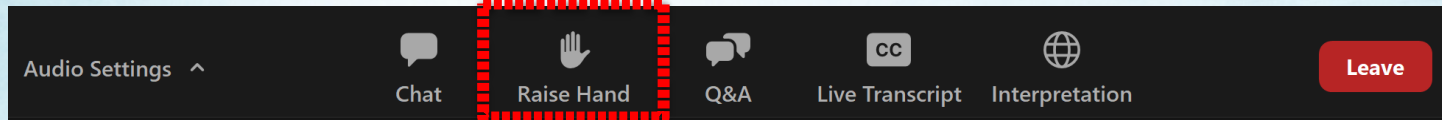




# Zoom Orientation / *Orientación de Zoom*

Raise Hand

Levantar la Mano



# Meeting Agenda

- Recap from previous meetings
- Update on landscaping equipment rules
- Landscaper experiences with zero-emission equipment and incentives
- Smart-charging technologies (OSO and Milwaukee)
- Incentives question and answer panel



# Recap from Previous Meetings

- Landscaper panel nominations
- Questions regarding further funding
- Smart-charging technologies

# Rules Apply to Manufacturers

- Apply to new engines
- Certification required prior to sale
- No in-use requirements for equipment owners
- Owners may continue purchasing and using equipment





# Update on Landscaping Equipment Rules

- US EPA authorized amended rules
- Full implementation beginning 2026
- Manufacturers may certify 2025 engines
- Dealers may continue selling landscaping equipment

<https://ww2.arb.ca.gov/1997-present-manufacturers-advisory-correspondence-mac-mobile-source-emissions-certification>

# Landscaper Experiences with ZEE

- Erik Diaz, Owner/Operator of Alpine Line Landscape
- Blake Meahl, CFO/Maintenance Ops Manager of Garden View Landscaping



# Landscaper Experiences with ZEE

- What are the top 3 benefits of switching from gas to ZEE?
- What are your hesitations to switch from gas to ZEE?
- What is your charging strategy for your batteries?
- What incentive program(s) have helped you purchase ZEE?

# Questions?



# Poll

How are you connected to the landscape industry?

- a. Professional landscaper
- b. Manufacturer
- c. Equipment dealer
- d. Other landscape industry professional
- e. Other

# Power Management Products



TOWA Power Distribution Manager



EGO PGX Commercial Charging



Kress Commercial AC Power Management System



Greenworks ChargeLink System



STIHL CM 12 Charging Management



# OSO/Electric Sheep Robotics

- Nag Murty, Founder and CEO of Electric Sheep Robotics

# Milwaukee

- Santos Tecum, Territory Manager for Outdoor Trades



# Questions?

# Incentives Panel



# Panel Members

## CARB

- Joshua Lowell
- AJ Edwards

## Air Districts

- Yuh Jiun Tan
- Oliverio Barragan
- Tyler Harris
- David Frisby

# Request for Meeting Topics

- Please share topics you would like in future workgroups related to SORE

[landscaper@arb.ca.gov](mailto:landscaper@arb.ca.gov)



# Contacts

- Landscaper workgroup – [landscaper@arb.ca.gov](mailto:landscaper@arb.ca.gov)
- Small off-road engine rules – [sore@arb.ca.gov](mailto:sore@arb.ca.gov)
- Carl Moyer – [moyerhelp@arb.ca.gov](mailto:moyerhelp@arb.ca.gov)
- Clean Off-Road Equipment – [core@arb.ca.gov](mailto:core@arb.ca.gov)

# 2025 Landscaper Events

- [Next Landscaper Workgroup Meeting](#) – August 20, 2025



- [Funding Workshop on HVIP, ISEF, and CORE](#) – May 30, Virtual.
- [Equip Exposition](#) – October 21-24, Louisville, KY
- [The Landscape Expo](#) – November 12-13, Anaheim, CA