

# Ground Transportation Ad Hoc Committee



**SAN DIEGO**  
INTERNATIONAL AIRPORT  
LET'S **GO.**

Meeting 2  
December 20, 2018



# Welcome Remarks

## Committee Chair

### Mark West



# Committee Progress Overview

Facilitator

Heidi Gantwerk



# Agenda

- GT Environmental Program Overview
- Clean Transportation Plan
- Commercial modes
- TNCs and SB 1014
- Airport Industry Environmental Trends
- Discussion of Parameters for Environmental Program

# Environmental Overview

# Airport Sustainability Management Plans are...

“a comprehensive and systematic framework for integrating sustainability into an airport’s long-range planning and operations.”



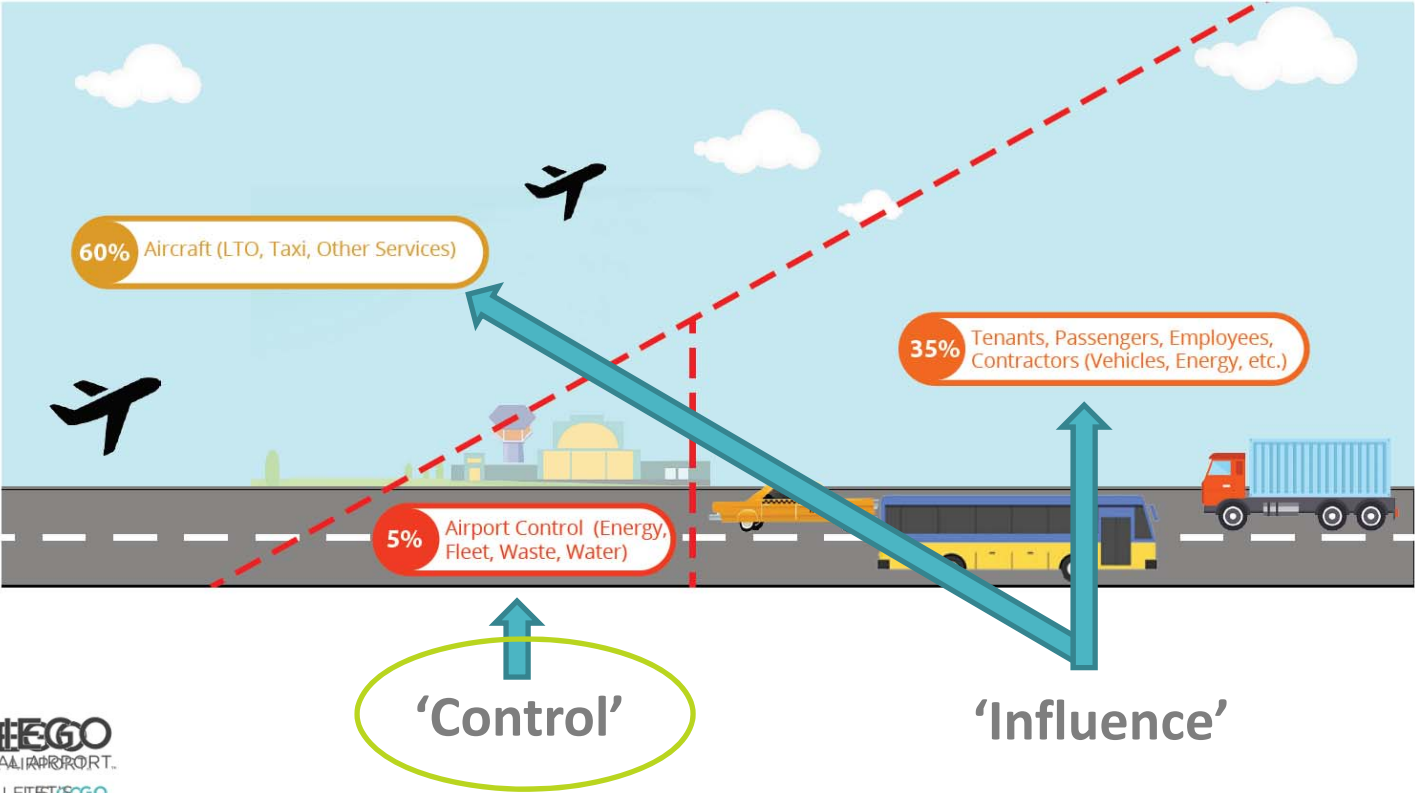
**\$500,000  
Grant**

## Strategic Value:

- Accomplishes Strategic Plan initiative (2B)
- Establishes achievable, non-binding goals
- Provides internal alignment
- Supports pursuit of grant funding
- Demonstrates continued leadership

# Carbon Neutrality

## Airport GHG Emissions Sources



# Clean Transportation Plan



## CTP - Purpose

- GT represents a large portion of airport operations and the related environmental impact.
- Airports must adapt, react, and take advantage of LEV, Autonomous vehicles, new business models, and new technology.
- The CTP serves as the Authority strategy and plan to address environmental transportation issues

# CTP - Focus Areas





## CTP - Goals

1. Move toward a ZEV fleet
2. Provide fueling infrastructure for LEV and EV
3. Minimize impact of GT Operators
4. Promote and support the use of public transit
5. Support emission reductions by 3<sup>rd</sup> parties

# Commercial Modes at SAN



## Vehicle Regulation

MTS – Taxis

CA PUC – TNCs, Charter, Hotel/Mote, VFH

## Environmental Regulation

Ten difference Agencies and Environmental Programs

# Airport Environmental Requirements Effect

Mode	Trip Fees	Fuel Type Requirements	Vehicle Age Limit	Multi-Pax Credit	Deadhead Credit	VCIP
Taxis	PU	Mandated	10 years	No	No	Yes
VFH	PU	Mandated (1 year waiver)	10 years	No	No	Yes
Hotel/Motel	PU	Mandated	10 years	No	No	Yes
Charter/Limousine	Annual Fee	Waived	10 years	No	No	Waived
TNCs	PU/DO	Waived	10 years	Yes	Yes	Waived

# GHG Reduction Strategies



Cleaner  
fuels



Higher  
MPG



Carpooling/  
ridesharing



# TNC GHG Emissions Reduction Program

- Flexible Program
- Performance-Based Parameters
- TNC Fleet Emissions Targets
- Non-Compliance Penalty



# EPA Greenhouse Gas Ratings

## GREENHOUSE GAS RATING (GGR)

Rating	MPG (gas)	CO <sub>2</sub> (g/mile)
10	≥ 44	0-204
9	38-43	205-237
8	33-37	238-273
7	29-32	274-312
6	26-28	313-349
5	22-25	350-413
4	19-21	414-480
3	17-18	481-539
2	15-16	540-613
1	≤ 14	≥ 614

A Greenhouse Gas Rating (GGR) has been assigned to MPG and CO<sub>2</sub> emissions

# TNC GHG Tools

- Credit for Pooling
- Credit for Matching
- Pre-match option
- Overall Trip GHG measure

# CA Senate Bill 1014



**Senator Nancy Skinner**  
REPRESENTING SENATE DISTRICT 9

## California Legislature Passes Senator Skinner's SB 1014 Electrify California Ride-hailing (E-CAR)

Skinner's legislation would direct the California Air Resources Board (CARB) and the California Public Utilities Commission (CPUC) to adopt and implement targets to reduce the amount of greenhouse gases (GHGs) emitted per passenger mile for rides arranged through Transportation Network Companies (TNCs).

# Airport Industry Environmental Trends





## Airport Industry Environmental Trends

- TNC Adoption and Regulation
- Zero Emission Vehicles/Electric Vehicles
- Shared Mobility – Cars/Scooters/Bikes - MaaS
- Promotion of Transit
- Transportation Demand Management
- Transportation Facilities Planning - Smart cities/Airports
- New Environmental Metrics
- Big Data/Real-time Transportation Analysis

# Public Comment Period



# Parameters for Authority Commercial Mode Environmental Program

## Parameters for Consideration

- Type/size/fuel type of vehicle
- Vehicle capacity
- Ownership - Commercial vs. Private
- Owned vs. Leased/Rented
- Fleet characteristics
- Business model and economic impact
- Trip type – short/long haul, HOV, pooled, deadhead
- Last mile inclusion
- Existing and upcoming regulations
- Emissions output
- Carbon Offset
- Metrics/Environmental Measures



# GHG Reduction Strategies



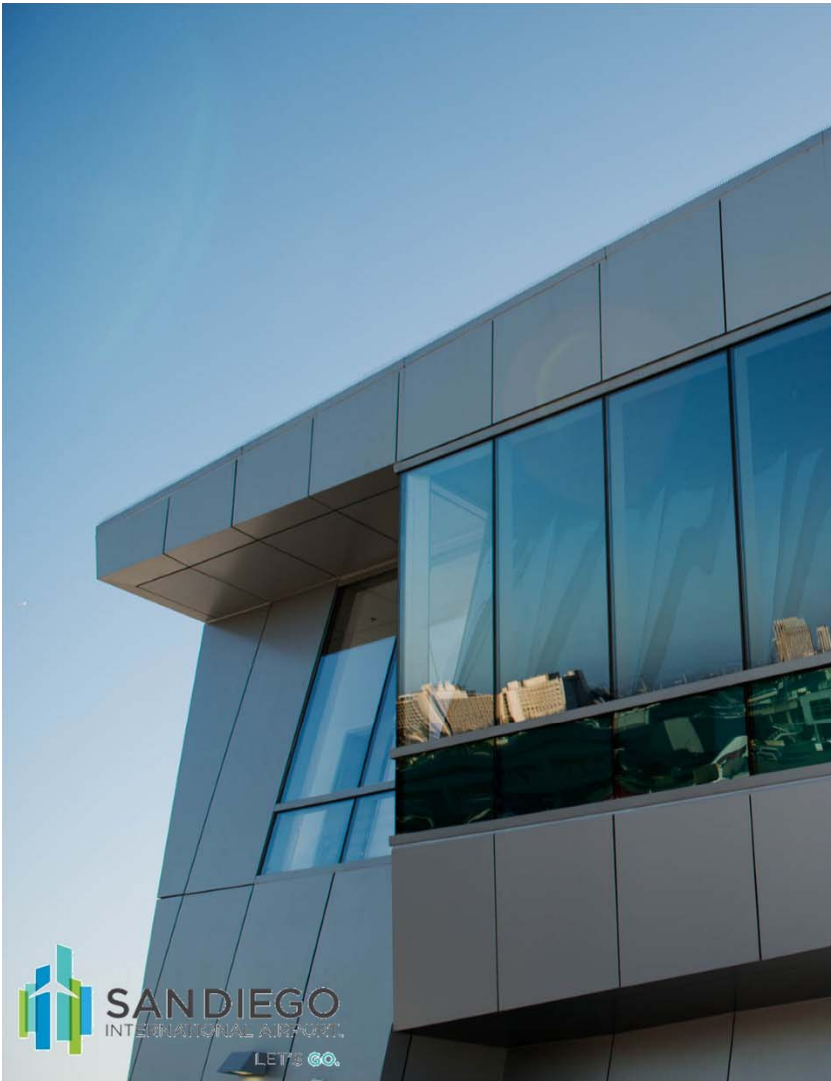
Cleaner  
fuels



Higher  
MPG



Carpooling/  
ridesharing



# Action Items - Heidi Gantwerk



## Next Meeting Agenda

- Review of Comprehensive Ground Transportation Management Plan - CGTMP
- Current operating strategy
- Transportation industry changes
- Airport Industry Trends
- San Diego Regional Transportation
- Discussion - Parameters for Long Range GT Plan

# Plan for Future Meetings

- **Meeting 1** – Committee introduction, GT environment/background/operations, discuss standardization issues
- **Meeting 2** – Environmental presentation, regulations, other airport programs, state/national trends, program goals
- **Meeting 3** – Current operating strategy for modes, long-range planning, industry trends, key components of long range strategy
- **Meeting 4** – Guidelines for long-range operational strategy
- **Meeting 5** – Guidelines for environmental program
- **Meeting 6** – Final recommendations for Authority Board
  - Recommend standardization actions
  - Define environmental program parameters
  - Define long-range operating strategy parameters
  - Feedback/Review process effectiveness, GT stakeholder engagement strategy going forward

# Committee Meeting Dates

Six Meetings Planned – 11:00 am to 1:00 pm

1. Nov 29, 2018
2. Dec 20, 2018 – *After Exec/Finance Committee meeting*
3. Jan 17, 2019
4. Feb 21, 2019
5. Mar 21, 2019
6. Apr 18, 2019



QUESTIONS?

