Flying to “Zero”

Aviation Noise & Emissions Symposium
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The End Goal...

To limit warming to 1.5°C, CO₂ emissions would need to reach ‘Net Zero’ around 2050.
Airport Carbon Footprint

SAN GHG Emission Sources (2017)

“Control”

68% Aircraft (Landing and Takeoff, Taxiing, Other Airline Services)

6% Authority Direct Control (Energy, Fleet)

26% Tenants, Passengers, Authority Employees, Contractors, etc.

“Influence”
The CNP is a framework for managing SAN’s air quality and greenhouse gas (GHG) emissions and achieving “Carbon Neutrality” under the Airport Carbon Accreditation program.
Priority Initiatives
GHG Reduction Program for Rideshare Companies

SUMMARY:
- Incentivizes pooling, matching, & cleaner vehicles with lower fees
- Fleet-wide average emission intensity must be GGR=9 by 2020
Priority Initiatives

Carbon Offsets for Passengers

SUMMARY:
- Makes offset purchases easy, affordable, and meaningful
- Facilitate local, verified offset projects to maximize co-benefits
Priority Initiatives
Storm Water Capture & Reuse

SUMMARY:
- Avoids embedded energy of importing water (up to 40 MG yearly)
- Improves resiliency to impacts from climate change
Priority Initiatives
Transportation Electrification

SUMMARY:
- Electrification at all gates for aircraft and ground equipment
- About 80% of ground equipment will be “low carbon” by 2024
Priority Initiatives
Sustainable Aviation Fuel

SUMMARY:
- Collaborate with industry partners to support SAF production in CA
- Leverage “The Good Traveler” to facilitate airlines’ use of SAF
An Emerging Focus...