



# Creating a Resilient Airport

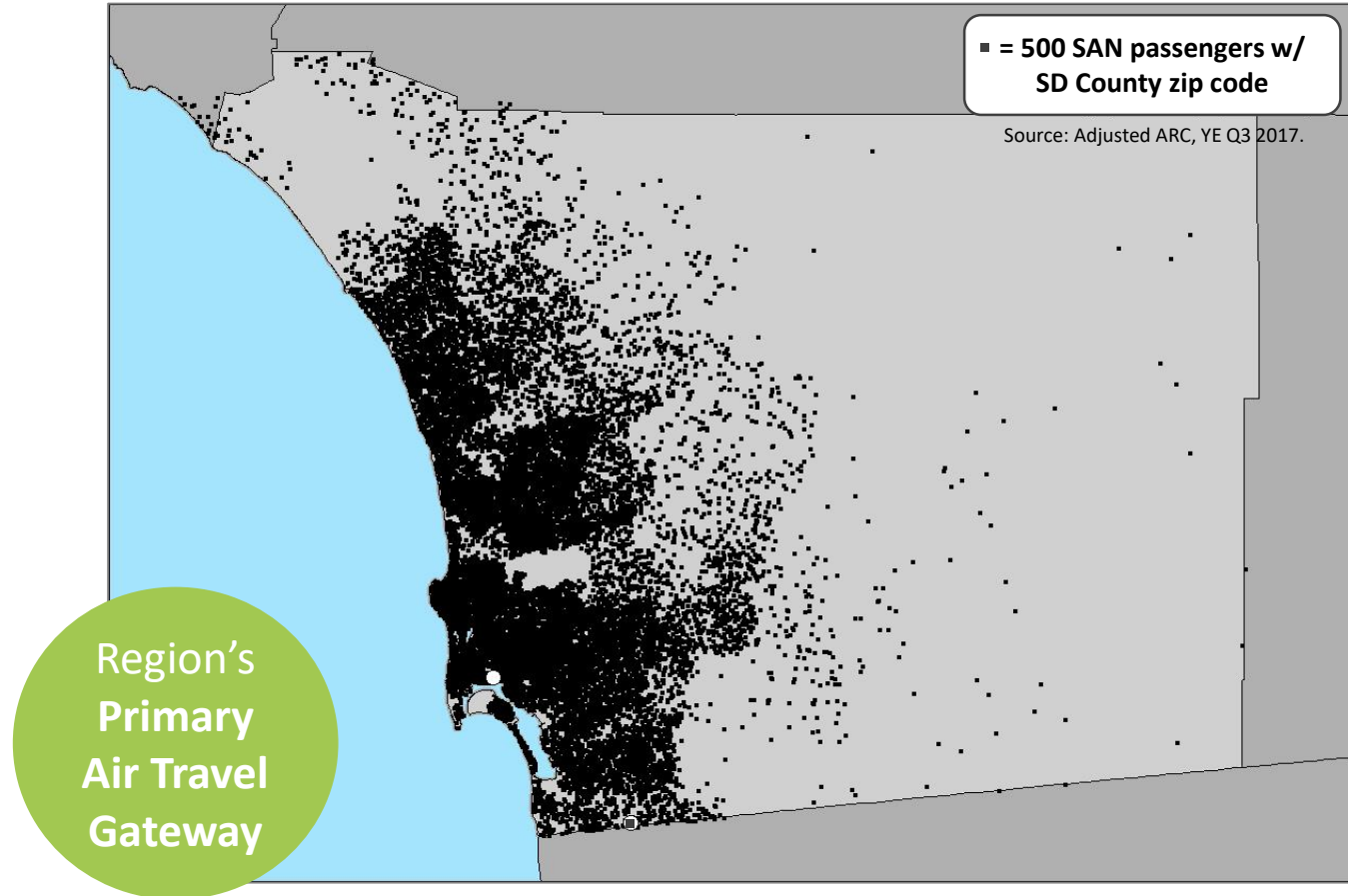
## Select Committee on SLR & CA Economy

December 3, 2019

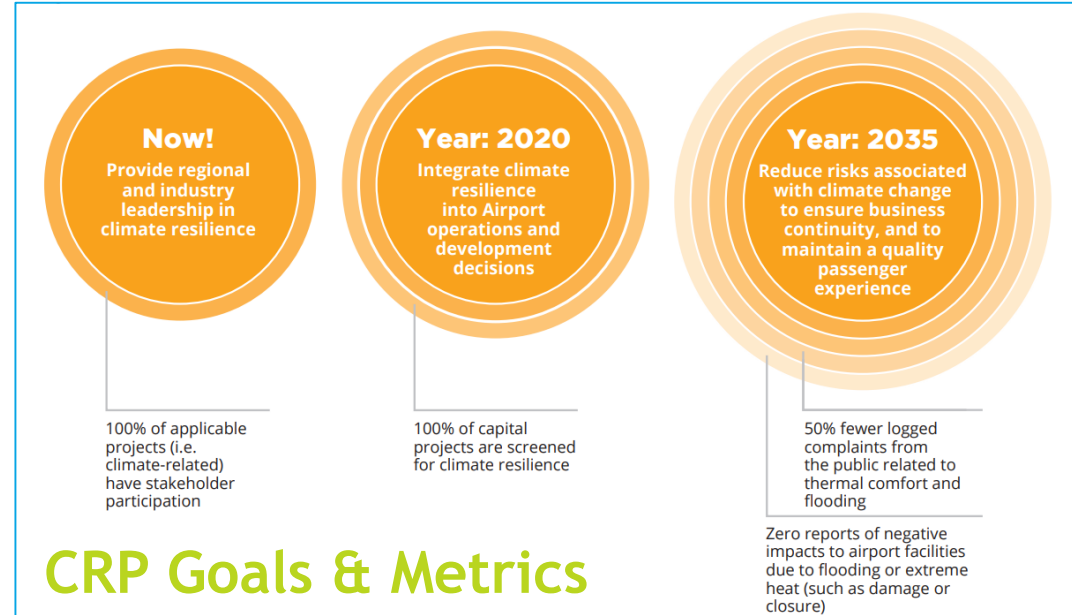
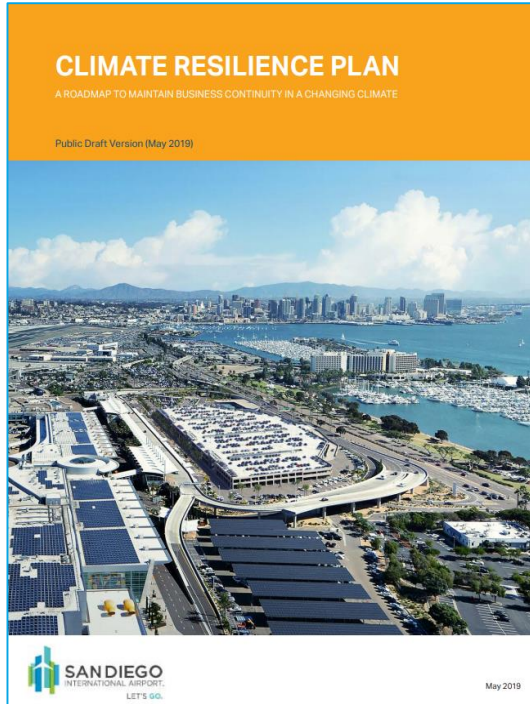
**Brendan Reed**

Director of Planning & Environmental Affairs  
San Diego County Regional Airport Authority

# Regional Asset



# Climate Resilience Plan



# Sea Level Rise Mapping



**Year 2050**  
5% Probability

Scenarios based on  
2018 CA Ocean  
Protection Council  
Guidance



## Legend

- Airport Boundary
- Maximum High Tide\* (Recurring Flooding)
- 100-Year Storm Surge (Rare Flooding)

## San Diego International Airport

1.6 ft Sea Level Rise: Year 2050  
(5% Probability SLR Meets or Exceeds)

0 500 1,000 2,000 Feet



\*OCOF denotes this as Average Conditions, which is equivalent to a king tide event, and is expected to occur 1-3 times per year. Data Sources: Cosmos; San Diego Airport; AECOM; SANDAG & SanGIS.



# Sea Level Rise Mapping






**Year 2100**  
50% Probability

Scenarios based on  
2018 CA Ocean  
Protection Council  
Guidance



## Legend

-  Airport Boundary
-  Maximum High Tide\* (Recurring Flooding)
-  100-Year Storm Surge (Rare Flooding)

## San Diego International Airport

**2.5 ft Sea Level Rise: Year 2100**  
(50% Probability SLR Meets or Exceeds)

0 500 1,000 2,000 Feet



\*OCOF denotes this as Average Conditions, which is equivalent to a king tide event, and is expected to occur 1-3 times per year. Data Sources: Cosmos; San Diego Airport; AECOM; SANDAG & SanGIS.

# Sea Level Rise Mapping



**Year 2100**  
5% Probability

Scenarios based on  
2018 CA Ocean  
Protection Council  
Guidance



## Legend

- Airport Boundary
- Maximum High Tide\* (Recurring Flooding)
- 100-Year Storm Surge (Rare Flooding)

## San Diego International Airport

**4.9 ft Sea Level Rise: Year 2100**  
(5% Probability SLR Meets or Exceeds)

0 500 1,000 2,000  
Feet



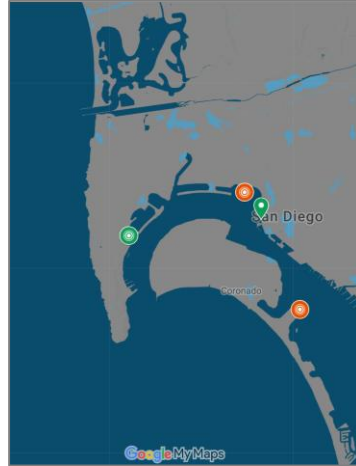


# Finding Regional Solutions

## Lessons Learned



**Incorporate Resilient Design Features Now**



**Pursue More Granular Sea Level Rise & Site Data**



**Embed into Decision-Making Process**  
(to help address uncertainty)



**Leverage Regional Forums for Ongoing Collaboration**



# Questions?

[www.san.org/green](http://www.san.org/green)