SFO Shoreline Protection Program

State of California Assembly
Select Committee on Sea Level Rise and the California Economy

Sea Level Rise and its Impact on Coastal Cities
February 7, 2020

San Francisco Bay Area – Sea Level Rise Challenges
Dave Pine – San Mateo County
Catherine Mahanpour – Foster City
Jeff Moneda – Foster City
Shelly Masur – Redwood City
Liam Garland – City of Alameda
Joe Birrer – SFO
Kristi McKenney – Port of Oakland and OAK
SFO - A Critical Regional & National Infrastructure

- 58 million passengers (2019)
- 46,000 employees (current)
- $8.4 billion in direct benefits
- $62.5 billion benefits to region
SFO’s Flood Risk

100-Year Flood
Current risk (FEMA FIRM Map)

Sea Level Rise (projected 2100)
Future risk (NOAA)
SFO’s Shoreline Protection Program

• Eliminate flood risk

• Ensures economic stability of region

• Protects Airport assets

• Ensures continuous safe Airport operation
SFO’s Shoreline Protection Program

- Site constraint
- Operational constraints
- Need for hard armoring
- 8 miles of shoreline
- Safety (wildlife)
Adopting a New Approach

• Protecting existing assets versus new development

• Create unified approach for permitting agencies

• Create regional mitigation solutions
Thank you