Recreation and Parks Commission
June 13, 2019

Alameda's Draft Climate Action and Resiliency Plan (CARP)

Recreation and Parks Commission

- How did we get here?
- Overview of Alameda's Draft Climate Action and Resiliency Plan (CARP)
- Next Steps to Finalize the CARP

- **Outcome**: Recreation and Parks Commission provides meaningful input on reducing Alameda's GHG emissions, increasing the City's resilience to climate change impacts, and becoming more sustainable overall.

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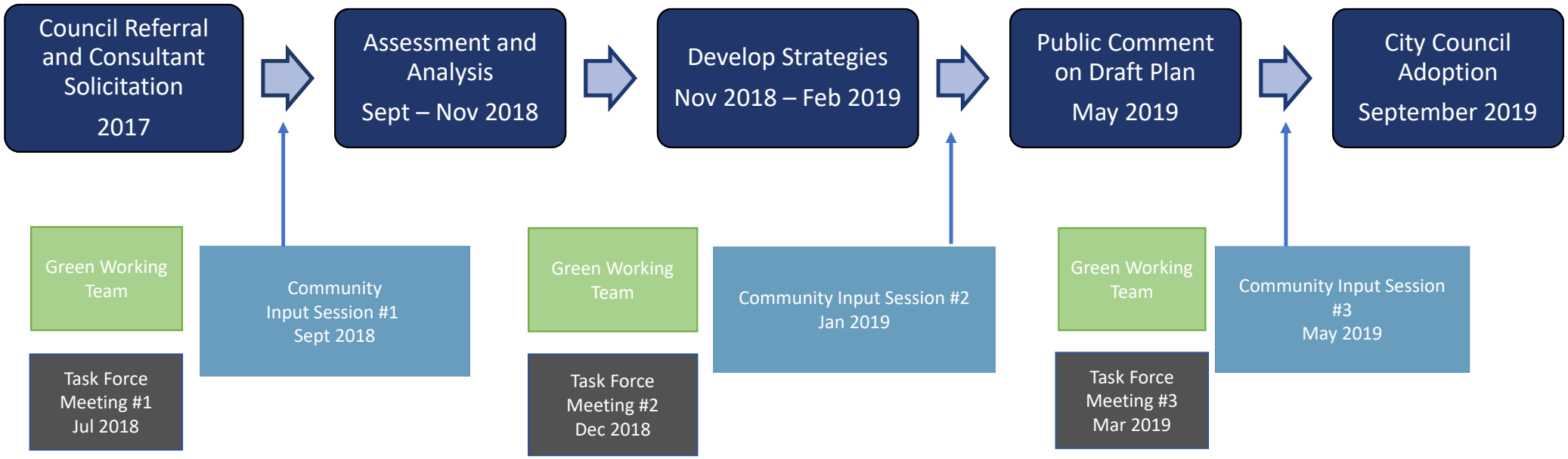
Plan Development



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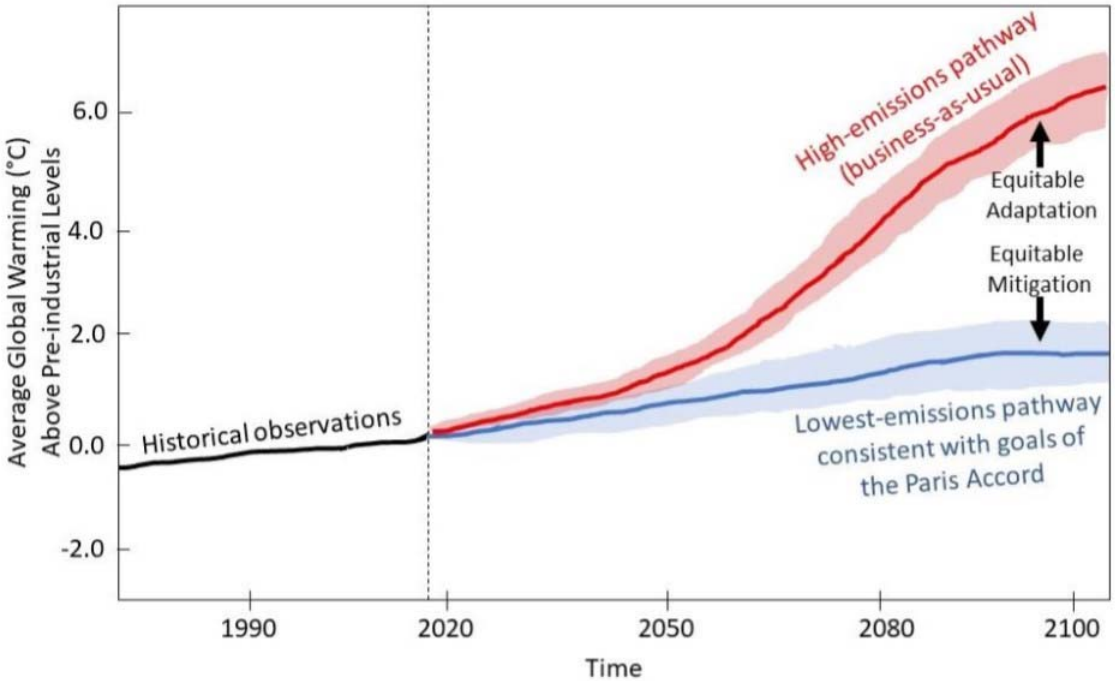
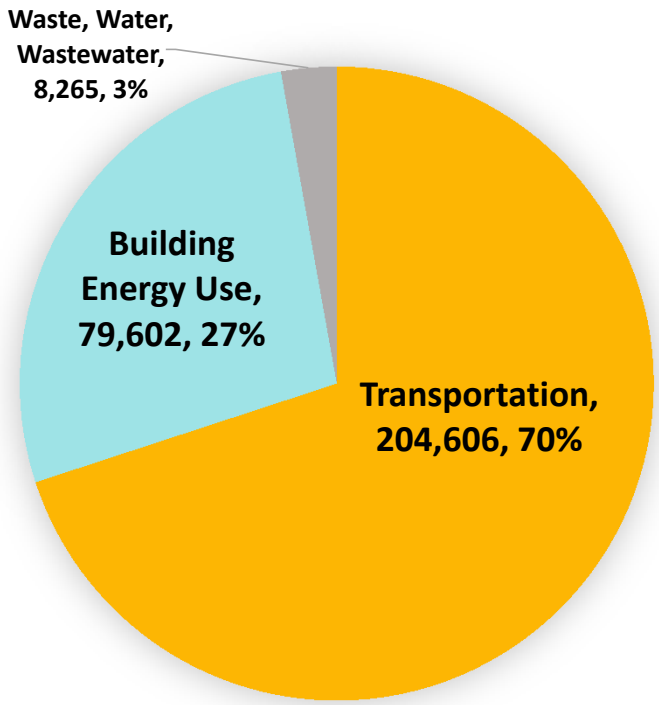
Climate Safe Planning



Alameda as an innovative leader in achieving carbon neutrality and community resilience to climate change impacts, with community members actively involved in this work.

GHG Reductions



Alameda's 2020 GHG emissions projections

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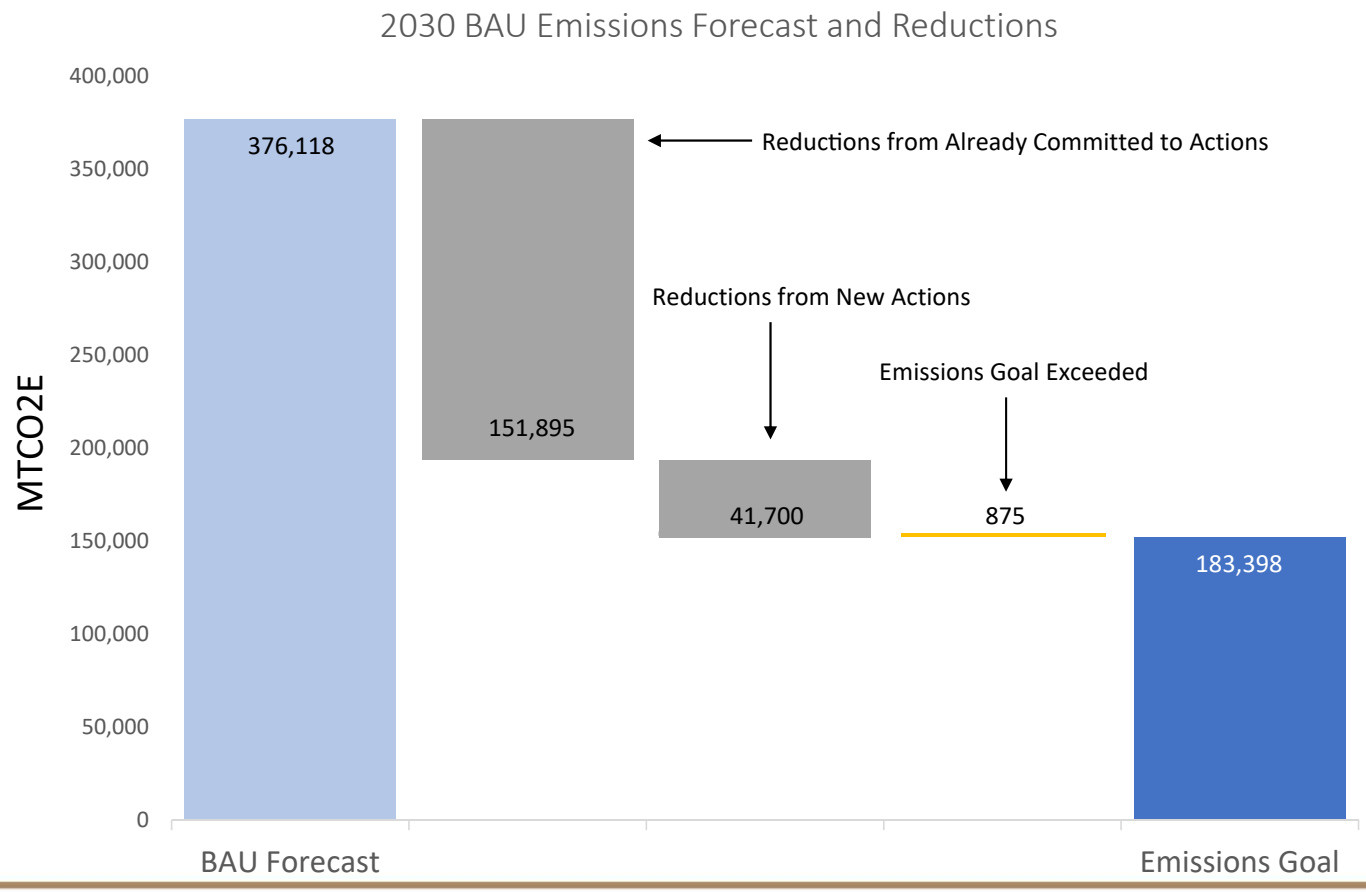
GHG Reductions



Selected GHG Strategies for Recreation and Parks

Strategy	GHG Reduction (MTCO2e)	Key assumptions & metrics for implementation
T5: Ban gas powered leaf blowers (considered off road equipment)	2030: 76 2050: 86	Assumes 50% are converted to electric and 50% cease operation
T8: Increase availability of charging stations: parking lots in new developments and City-owned lots.	2030: 8,209 2050: 8,209	Assumes increased number of of permitted EV chargers generally and in new developments
T12: Electrify light-duty portion of City's fleet	2030: 145 2050: 145	Assumes increase in # of EVs purchased for City fleet
E1: "Fuel Switch" in existing buildings	2030: 7,836 2050: 14,936	Assumes 12% of NG is replaced with electricity by 2030, and 20% is replaced by 2050
S1. Further develop urban forest	2030: 356 2050: 356	Assumes 1,500 new trees on top of the 2,000 new trees by 2030 already part of current City actions.
S2. Apply compost to Alameda parks and open spaces	2030: 5,935 2050: 6,187	Diverted organic waste will be processed into compost that is used in parks and other open spaces, such as preserved areas in Alameda Point

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Adapting to Climate Change

Existing and Future Conditions

→ Vulnerability Assessment

→ Adaptation Strategies

Climate Hazard-Specific Goal Areas

- Sea level rise and storm surge
- Inland flooding
- Drought
- Extreme heat
- Wildfires
- Liquefaction/ earthquakes

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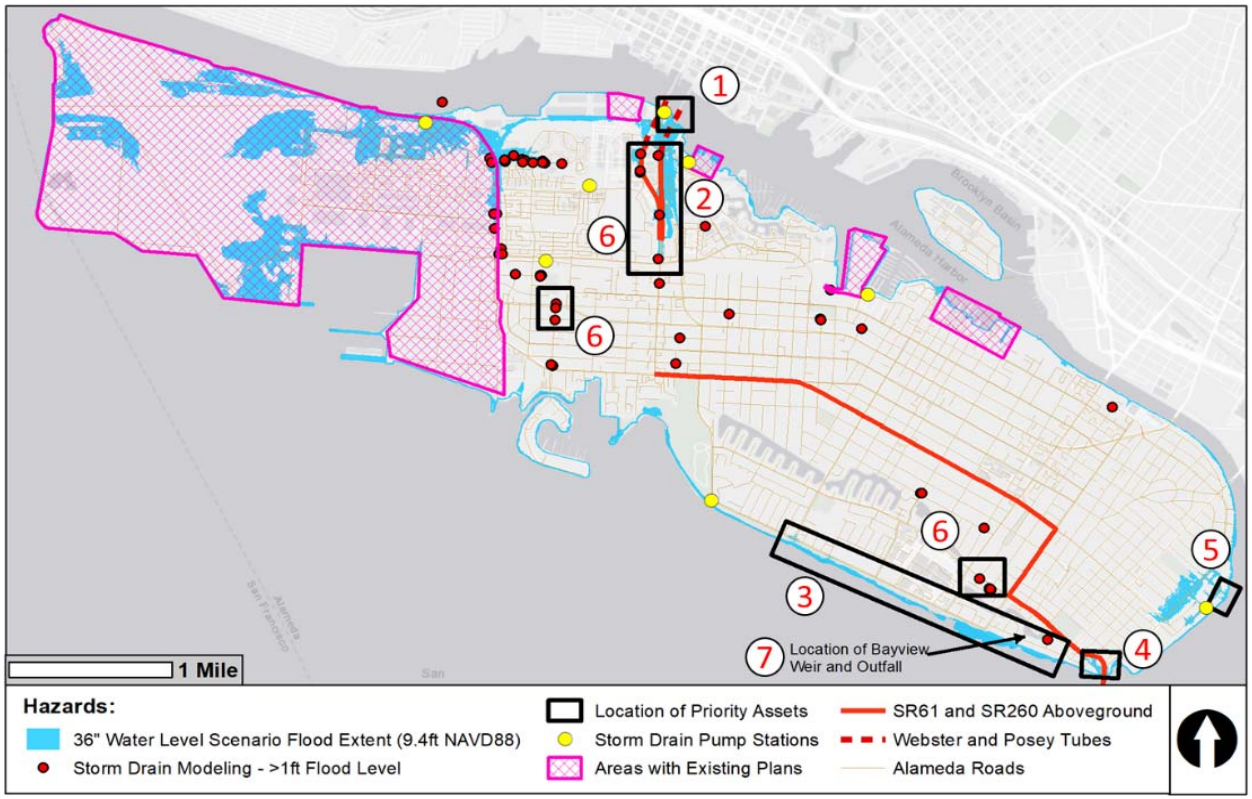
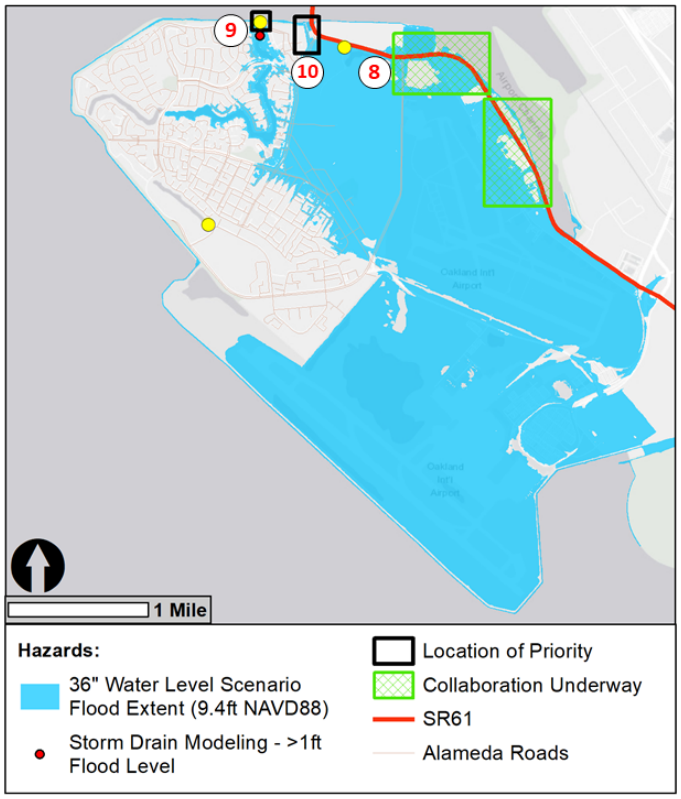
Flooding: Sea Level Rise and Extreme Storms





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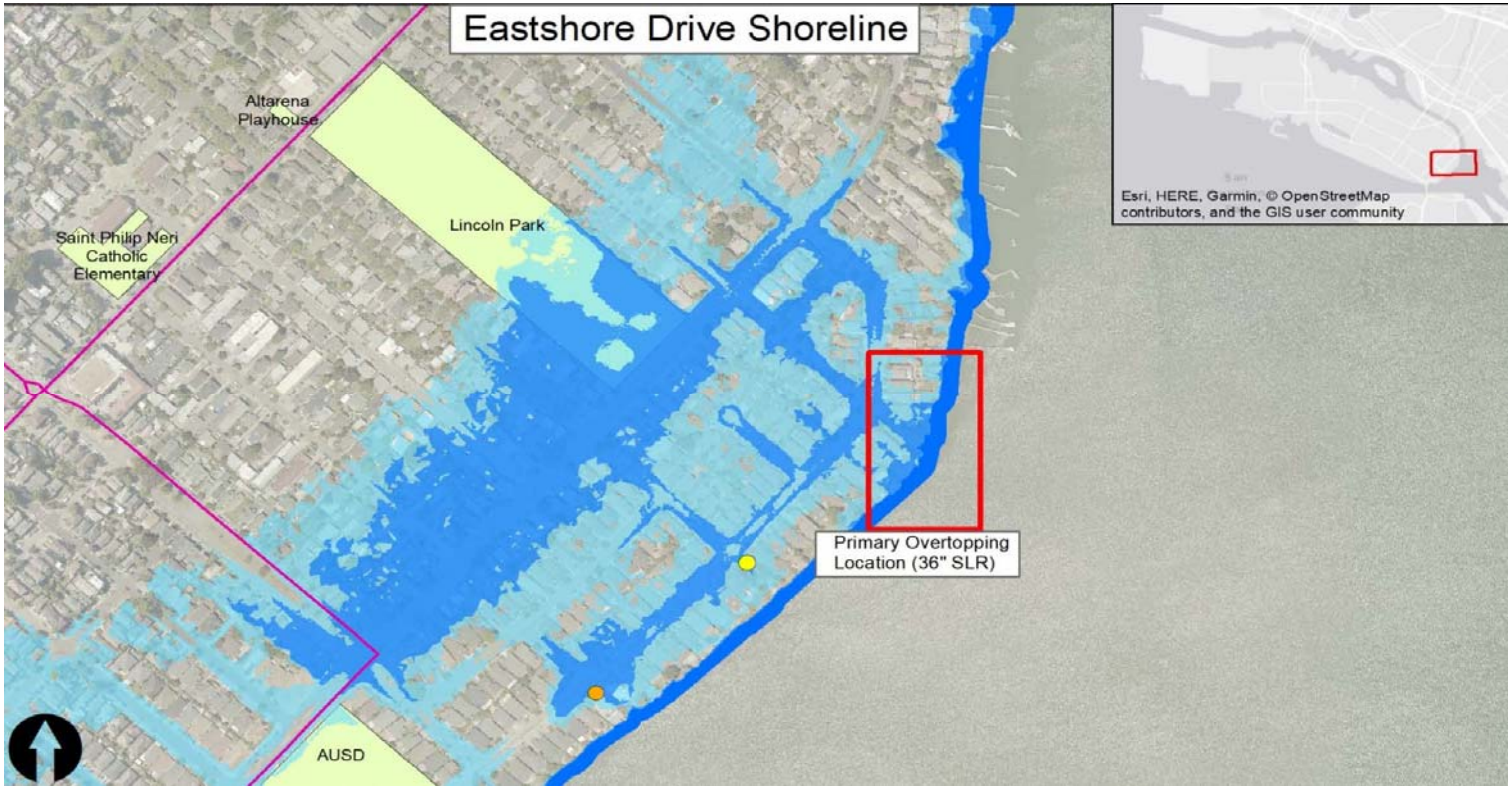
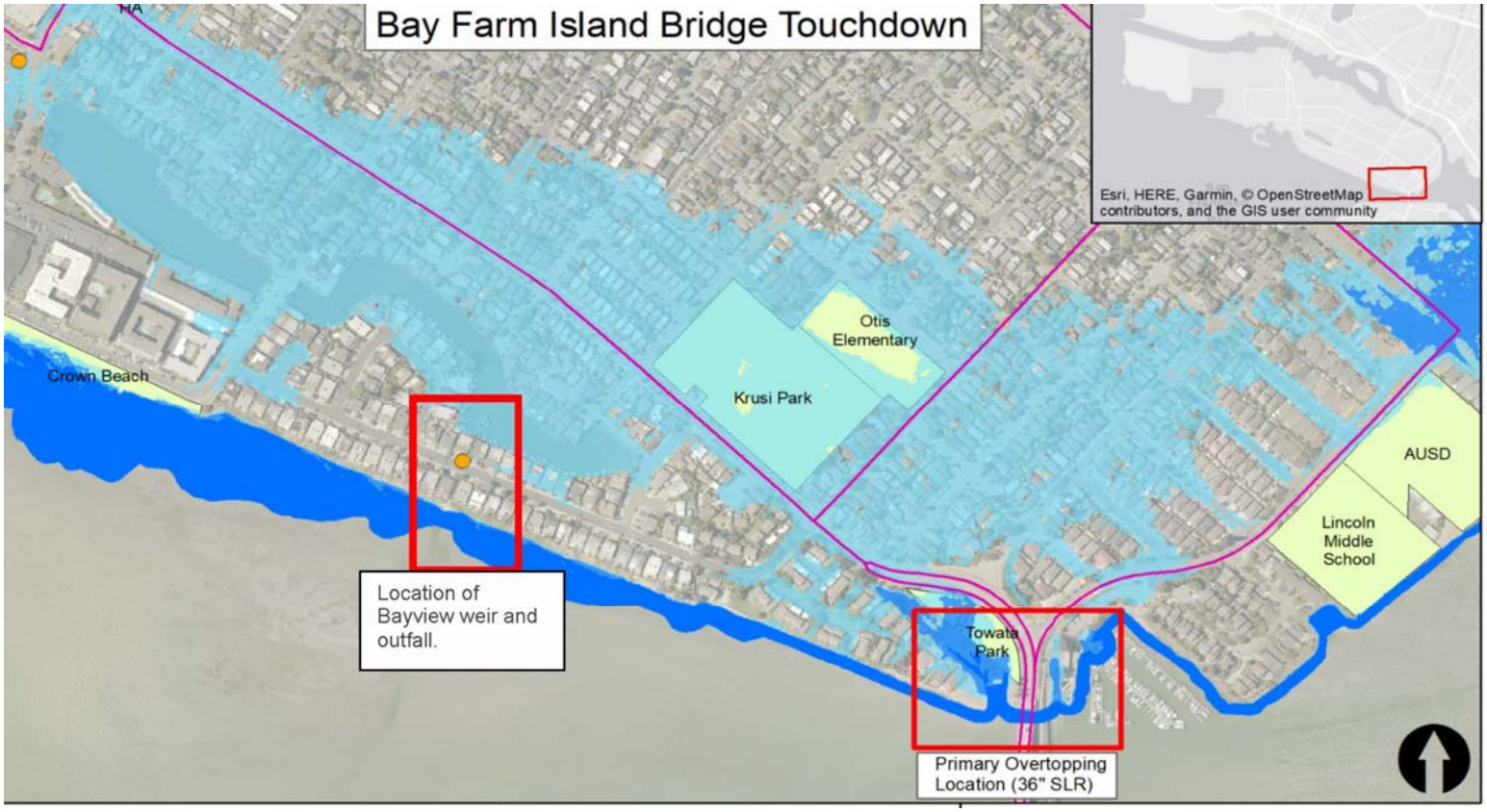
Eastshore Drive



Bayview Weir and Towata Park Area



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Crown Beach and Elsie Romer Bird Sanctuary

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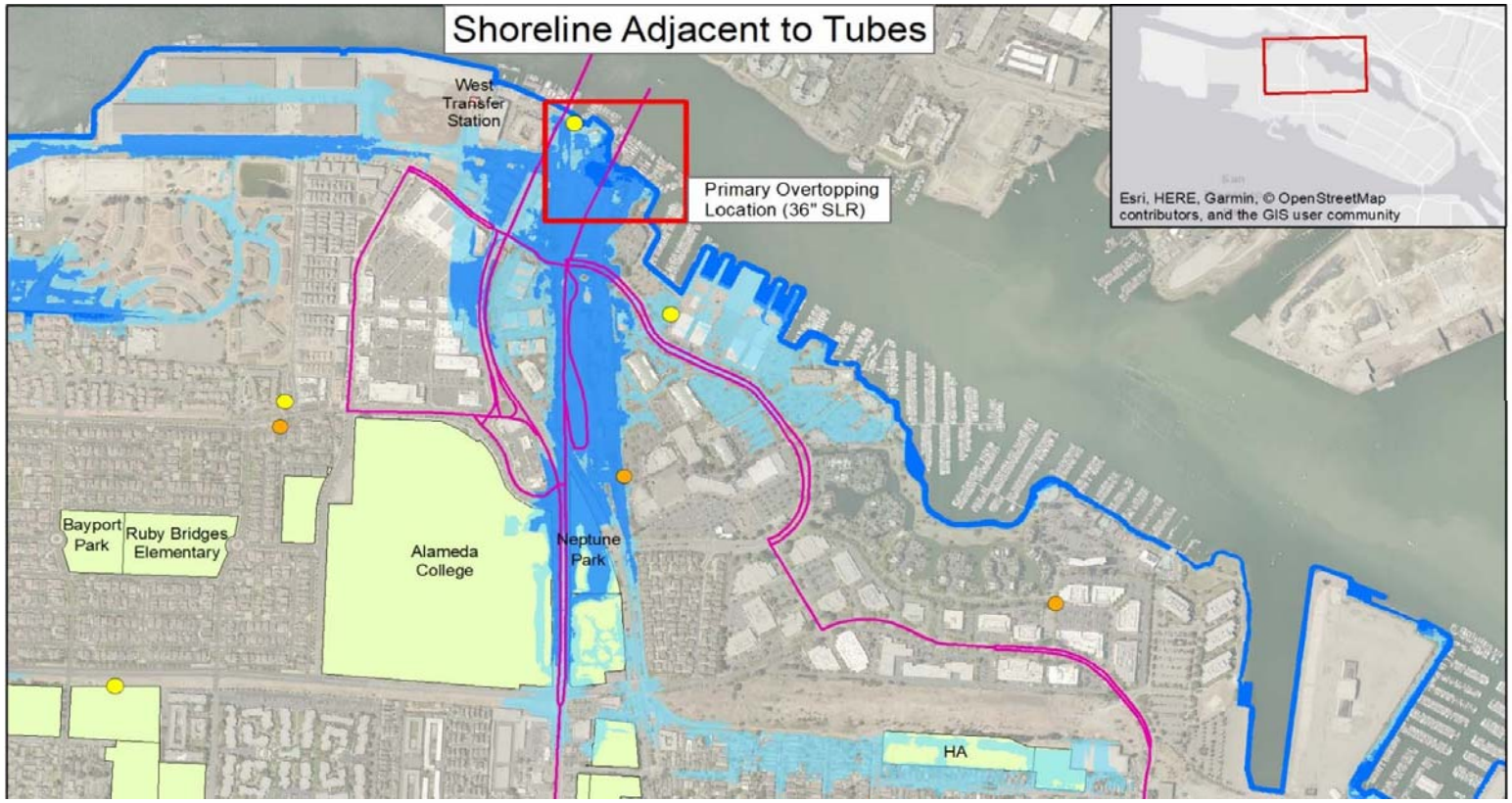
Webster/Posey Tubes



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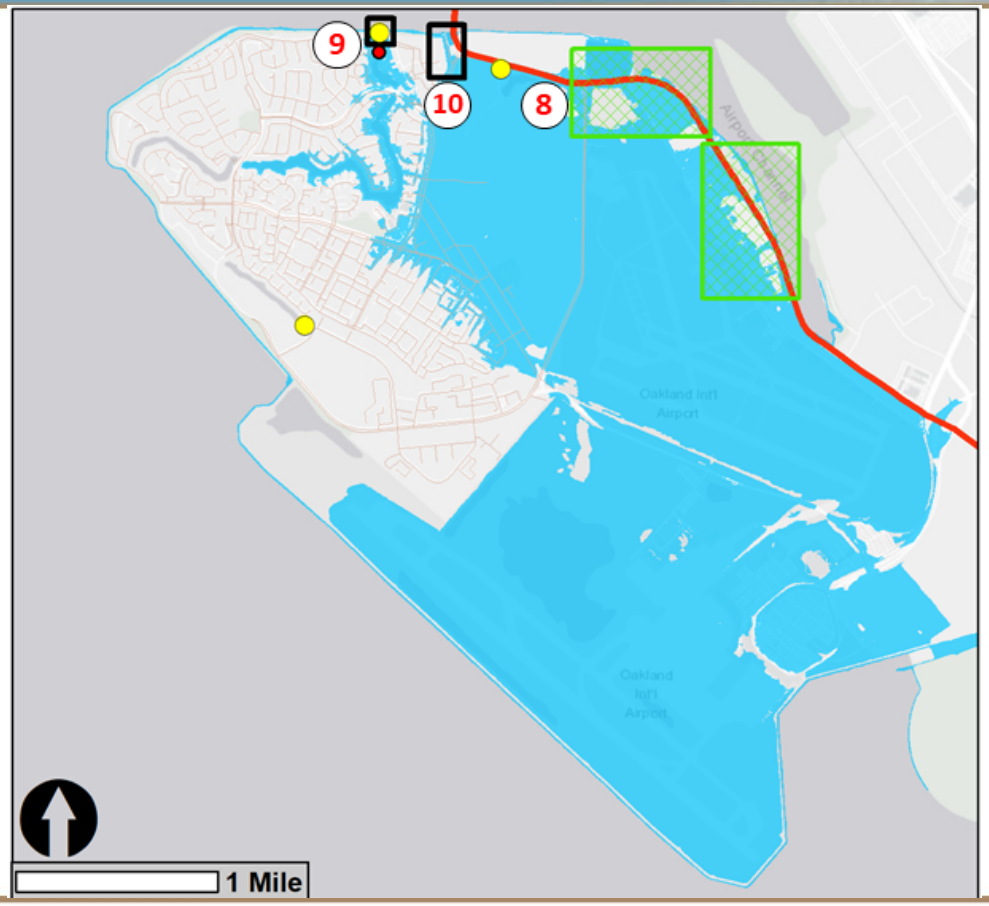
Veteran's Ct, Lagoon Outlet Gate, Doolitte Dr



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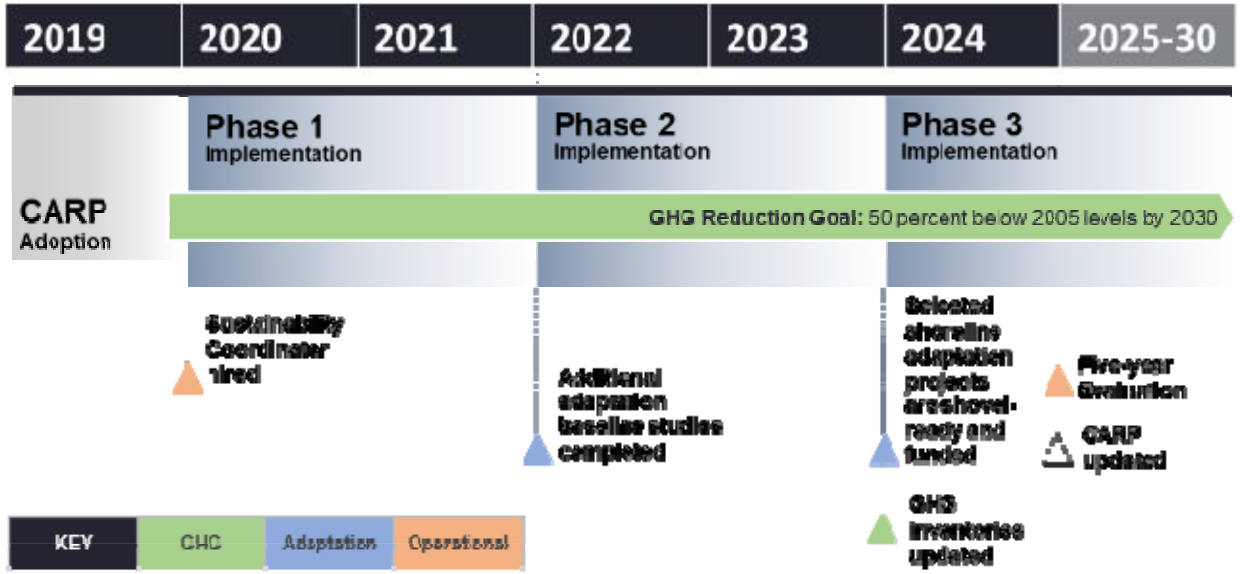
Making Economically Informed Climate Change Decisions

The cost of climate action will be high but the cost of inaction is even higher

With conservative assumptions and incomplete calculation of benefit, in all scenarios, for every dollar spent on adapting, at least 3.5 is loss is avoided.

From Plan to Action



- Organizational Structure and Staffing
- Regional Governance
- Tracking and accountability
- Stakeholder engagement

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Next Steps

- Public comment ended May 31
- Boards and Commissions
  - May 22: Transportation Commission
  - May 28: Planning Board
  - June 13: Recreation and Parks Commission
  - June 17: Public Utilities Board
- City Council item on July 16; back in September, if necessary

Thank you

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