

Orange County Transportation Authority Natural Hazard Mitigation Plan

Orange County
Transportation Authority
Hazard Mitigation Plan

Our mission is to develop
and deliver transportation
solutions to enhance the
quality of life and keep
Orange County moving



2022



Goals of the OCTA NHMP

- Support OCTA people, policies, plans, and programs to maintain a community transportation system that reduces risk and is resilient now and long term
- Minimize vulnerabilities to protect people, property, the natural environment, and keep Orange County moving
- Ensure resilience-oriented decisions are made through regional collaboration and enhanced partnerships
- Promote community engagement through transparent public outreach that is equitable and accessible to everyone in the community

Hazard Identification: OCTA NHMP Steering Committee

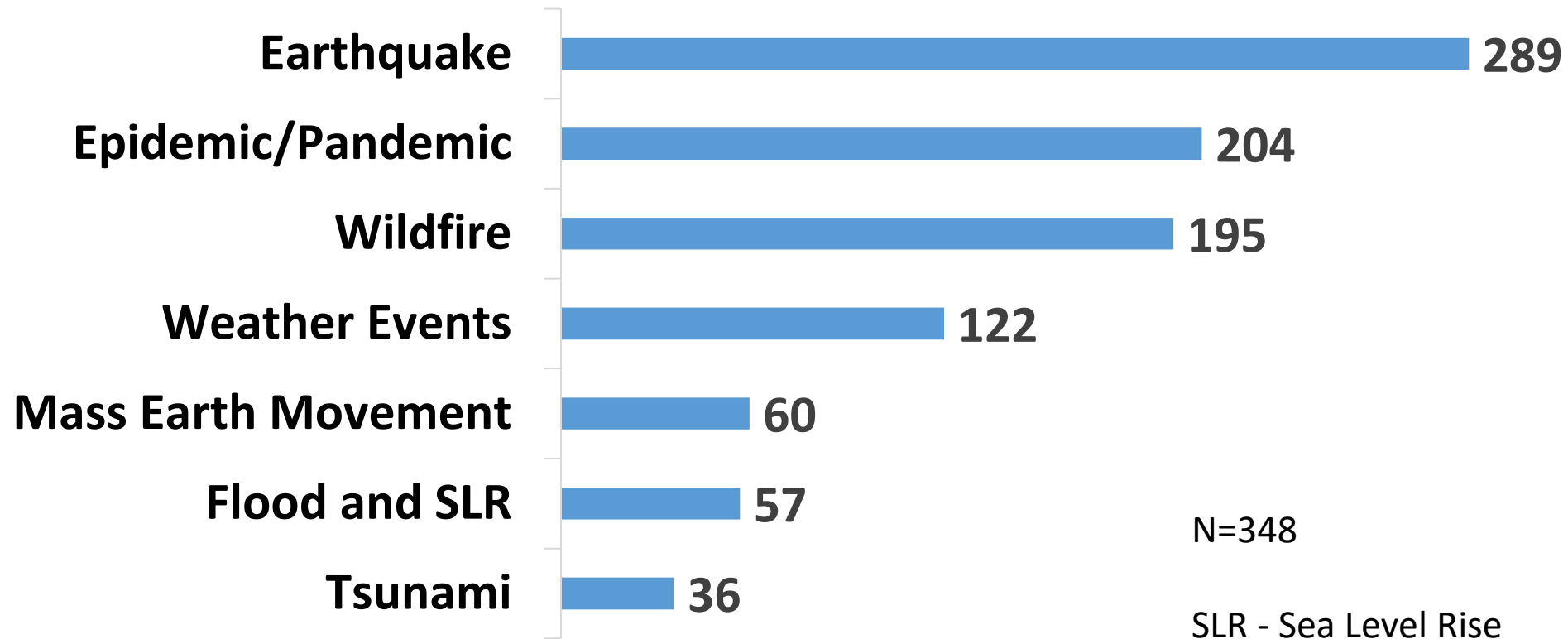
	Severity	Magnitude	Frequency	Onset	Duration	Average Score	Rank
Wildfire	3.82	4.18	4.55	4.18	2.91	3.93	1
Earthquake	4.09	4.18	2.82	5.00	2.27	3.67	2
Pandemic	4.18	4.27	1.55	2.91	4.18	3.42	3
Severe Weather	3.27	3.18	3.73	3.18	2.55	3.18	4
Flooding	2.85	3.18	3.36	3.36	2.64	3.08	5
Sea Level Rise	3.00	3.36	3.45	1.55	4.18	3.11	6
Storm Surge	3.18	2.73	3.64	3.45	2.18	3.04	7
Extreme Heat	3.18	3.45	3.36	2.18	3.00	3.04	8
Drought	2.55	3.00	3.27	1.45	4.36	2.93	9
Tsunami	3.73	3.00	1.45	4.18	1.82	2.84	10

Risk Assessment: OCTA NHMP Steering Committee

Top-Ranked Natural Hazard Scenarios		
	Average Score	Rank
Wildfire	3.93	1
Earthquake	3.67	2
Pandemic	3.42	3
Severe Weather	3.18	4

Risk Assessment: OCTA NHMP Customers

What are the Top 3 Hazards Potentially Impacting Your Commute?



OCTA NHMP Strategies

- 24 strategies were recommended that span OCTA's responsibilities to staff, facilities, ridership, communities, and the environment
- Examples include wildfire mitigation, facility infrastructure protection, and coordination of community evacuation procedures
- Due to the wide geographic area, some strategies suggest partnerships with local departments, jurisdictions, and agencies
- Strategies were constrained to OCTA assets directly owned and did not "predict" future ownership or values

Benefits Of The OCTA NHMP

- An OCTA Board-approved plan opens up previously unrealized grant funding opportunities
- Provides a specific assessment of potential hazard impacts on OCTA assets using qualitative and quantitative methods and multiple sources of data
- Informs and or compliments other OCTA planning efforts
- Suggests strategies to further reduce risks to OCTA and the community