

# Financing Adaptation

Kif Scheuer

Climate and Energy Program Director

Local Government Commission



Local Government Commission  
*Leaders for Livable Communities*

# Financing Adaptation is a Moving Target



[https://upload.wikimedia.org/wikipedia/commons/thumb/9/98/FEMA\\_-\\_33306\\_-\\_Helicopters\\_drop\\_fire\\_retardant\\_on\\_the\\_Harris\\_fire\\_in\\_California.jpg/1280px-FEMA\\_-\\_33306\\_-\\_Helicopters\\_drop\\_fire\\_retardant\\_on\\_the\\_Harris\\_fire\\_in\\_California.jpg](https://upload.wikimedia.org/wikipedia/commons/thumb/9/98/FEMA_-_33306_-_Helicopters_drop_fire_retardant_on_the_Harris_fire_in_California.jpg/1280px-FEMA_-_33306_-_Helicopters_drop_fire_retardant_on_the_Harris_fire_in_California.jpg)



[https://commons.wikimedia.org/wiki/File:Bluff\\_erosion\\_in\\_Pacifica\\_2.jpg](https://commons.wikimedia.org/wiki/File:Bluff_erosion_in_Pacifica_2.jpg)



[https://commons.wikimedia.org/wiki/File:California\\_Drought\\_Dry\\_Riverbed\\_2009.jpg](https://commons.wikimedia.org/wiki/File:California_Drought_Dry_Riverbed_2009.jpg)

# Emerging Technologies are also Accelerating and will be Further Disruptive



[https://c1.staticflickr.com/8/7111/27138933364\\_47b240f108\\_z.jpg](https://c1.staticflickr.com/8/7111/27138933364_47b240f108_z.jpg)

# Overview of Landscape

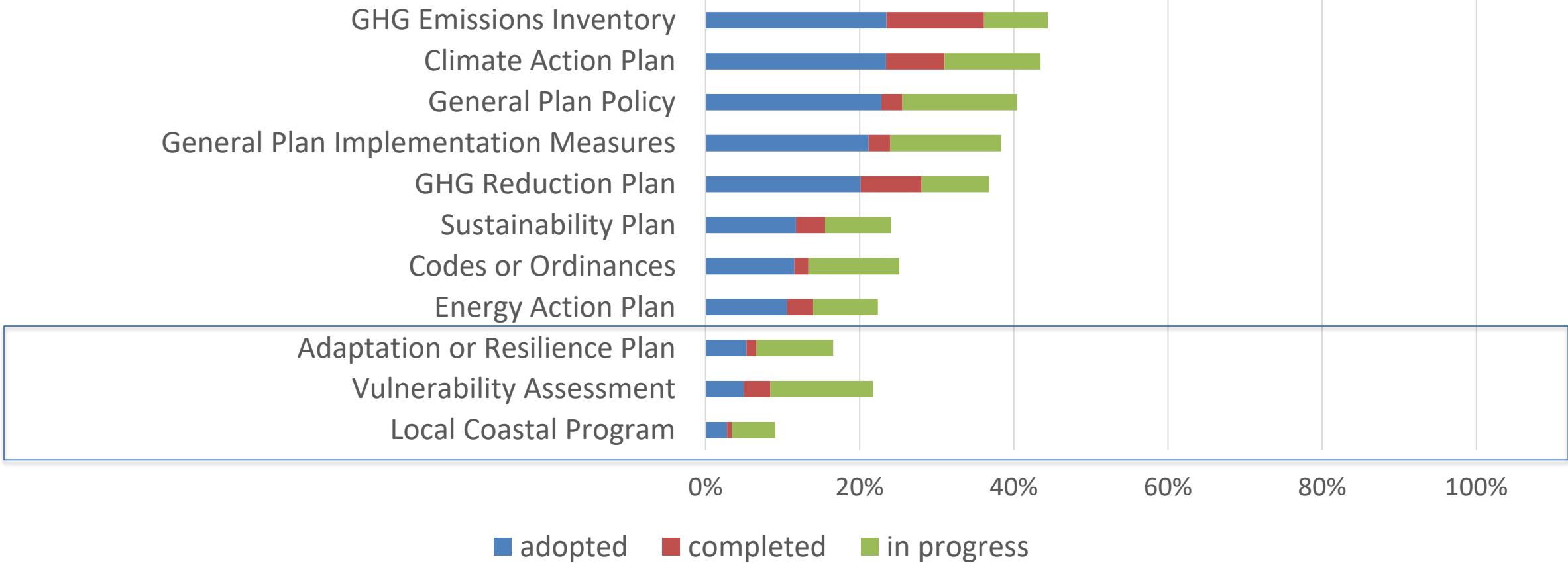
Annual Planning Survey and 4<sup>th</sup> Assessment Survey Results



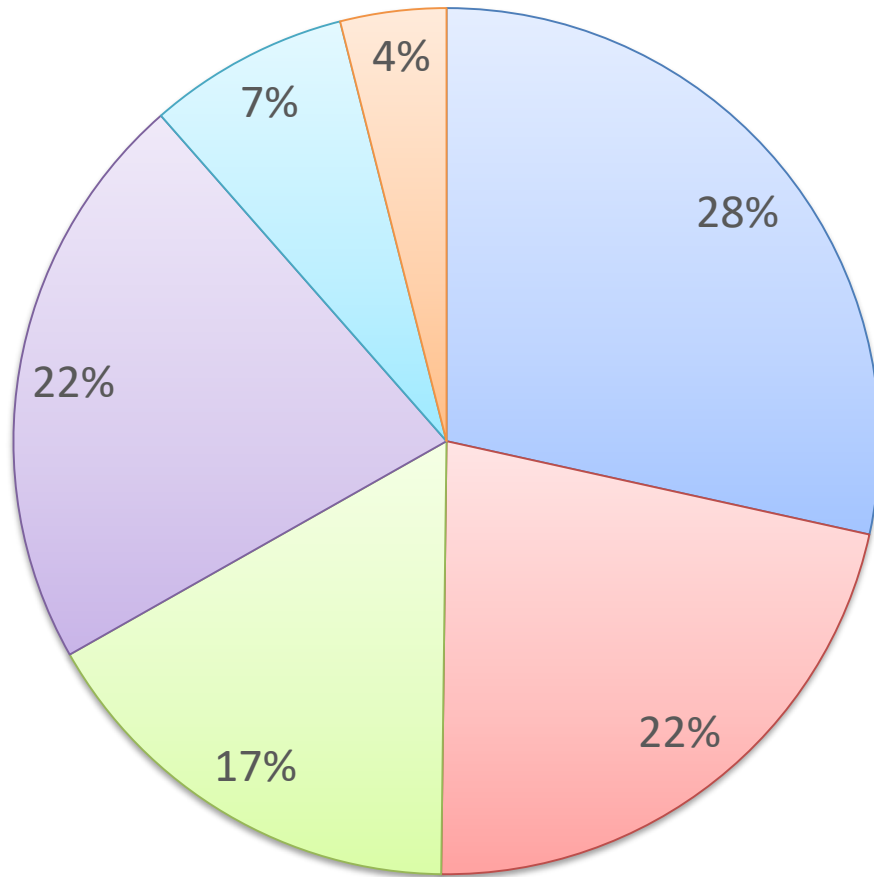
# Impact and Implementation Estimates

<i>City of Goleta</i>		
<b>Impact</b>	Sea level rise related damage	\$23 million - \$92 million
<b>Implementation</b>	Full implementation of Climate Action Plan (both mitigation & adaptation)	\$27 million - \$39 million
<i>City of San Francisco</i>		
<b>Impact</b>	Sea level rise related damage	\$29 billion – \$62 billion
<b>Implementation</b>	Maintenance of existing transit infrastructure to build resilience	\$12 billion

# Adaptation Plans, Policies and/or Programs

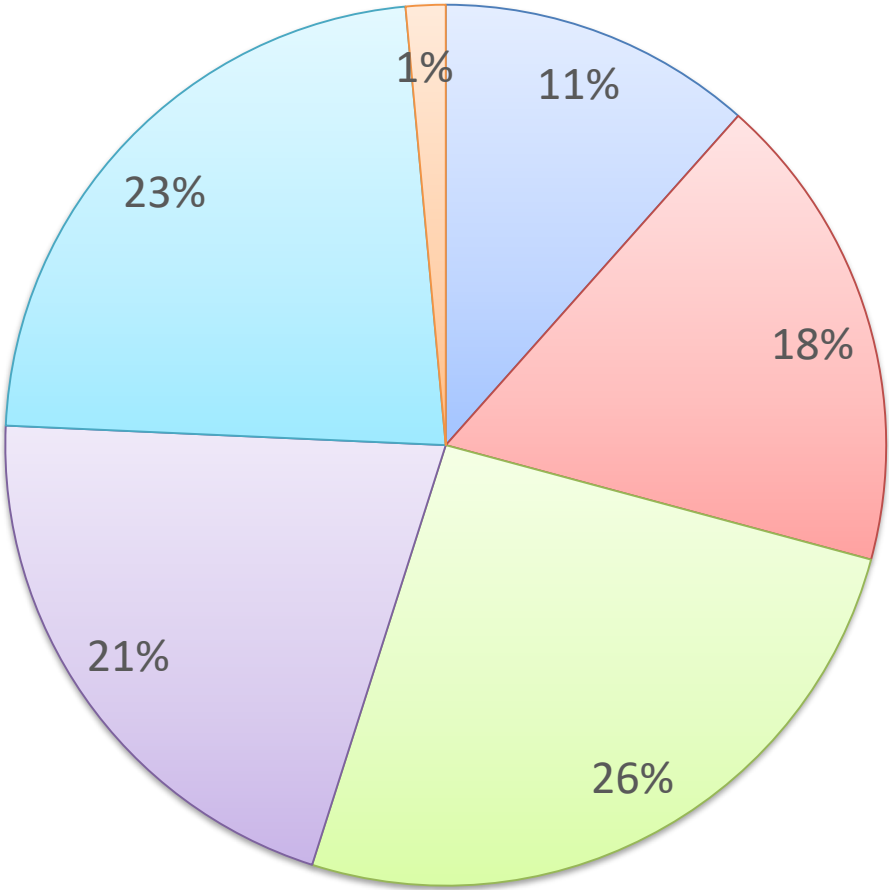


# Over the Past 2 Years...



- Climate change risk or vulnerability assessment
- Adaptation/preparedness planning
- Implementation of adaptation actions
- Community engagement in adaptation planning or implementation
- Monitoring and evaluation of implemented adaptation actions
- Other (please specify)

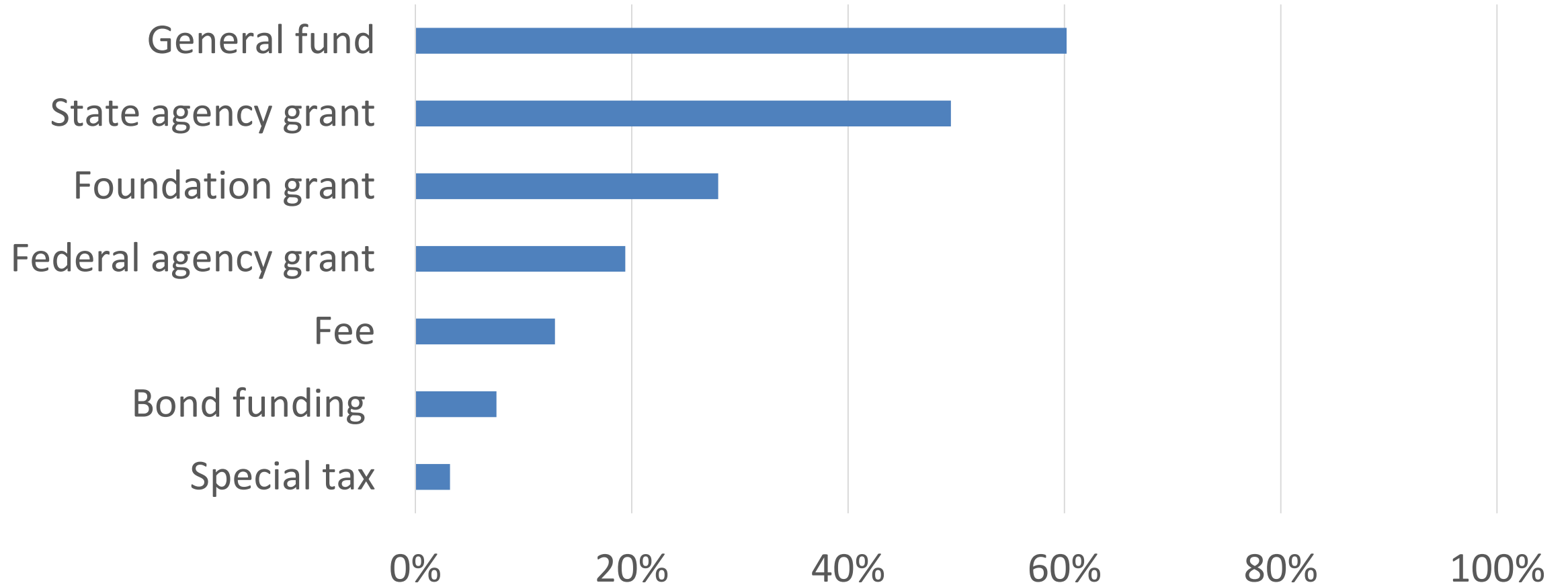
# Over the Next 5 Years...



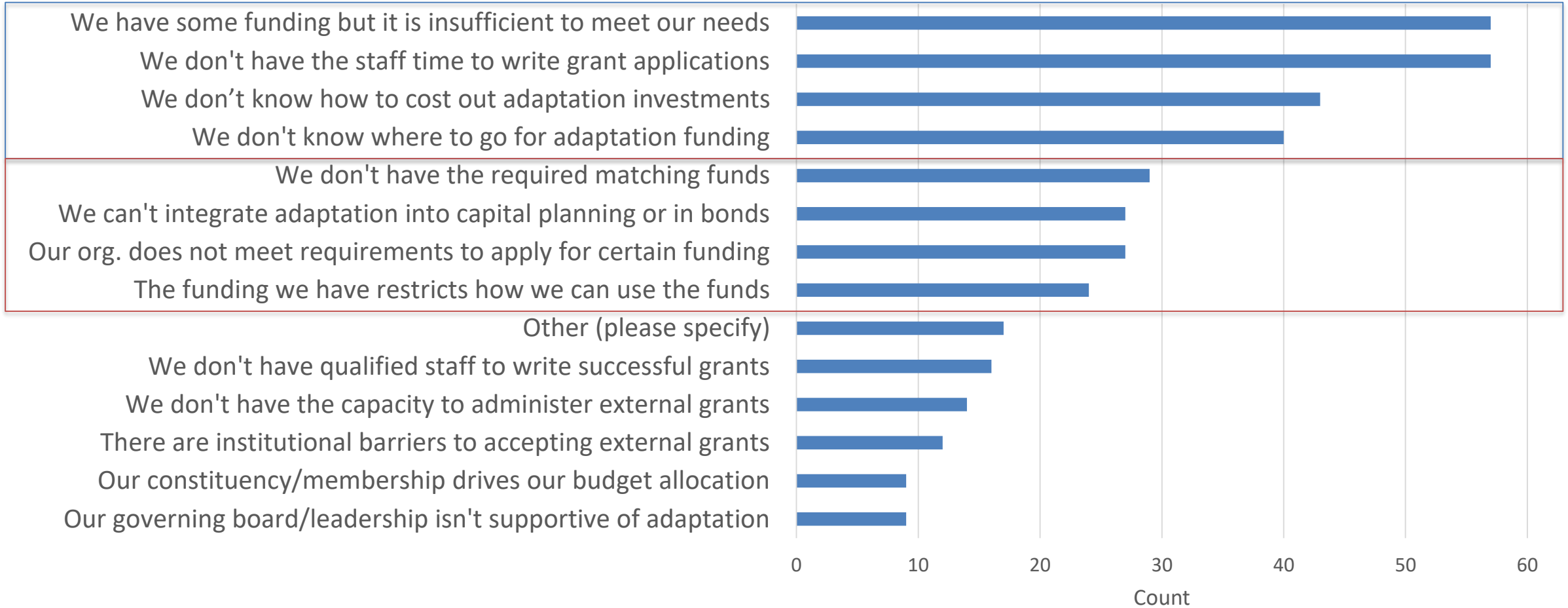
- Climate change risk or vulnerability assessment
- Adaptation/preparedness planning
- Implementation of adaptation actions
- Community engagement in adaptation planning or implementation
- Monitoring and evaluation of implemented adaptation actions
- Other (please specify)



# Sources of Funding



# Funding Challenges



# Summarizing Financing Challenges

- Variability in Climate Projections
- Limited Guidance on Integration of Adaptation
- Limited Flexibility in Existing Funding Sources
- Limited Resources for Interjurisdictional Action
- Limited Opportunities to Grow Funding
- Absence of an Adaptation Financial Market

# Discussion Questions

- What role can the TAC play in identifying and understanding critical adaptation financing needs?
- How can the TAC help to identify the best opportunities to leverage existing and/or new financing and funding to yield the best adaptation benefits?
- What role can the TAC play in defining essential outcomes for resiliency investments so we can help state, local, private and other decision-makers move towards a more broadly shared approach to financing adaptation?

End