

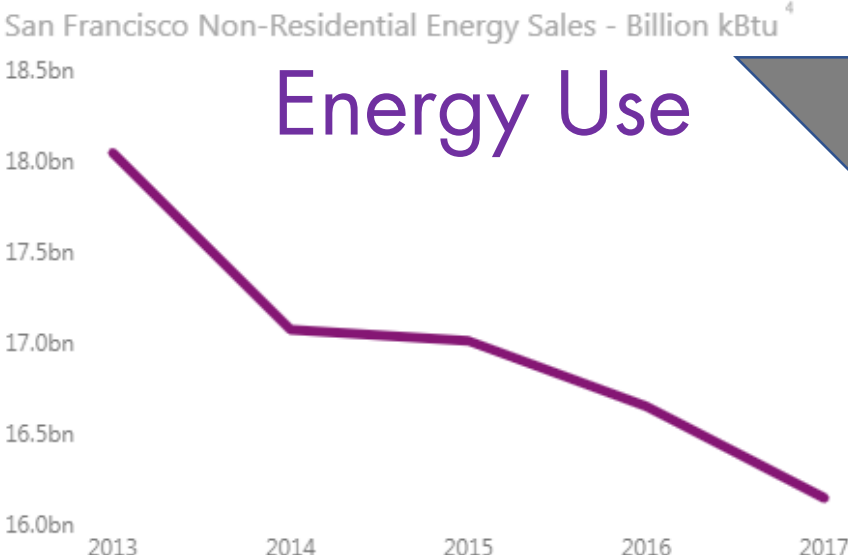
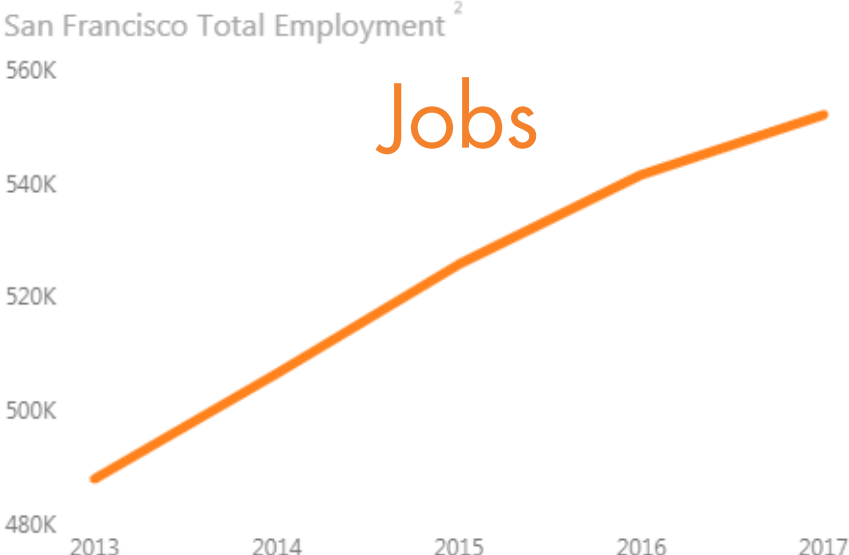
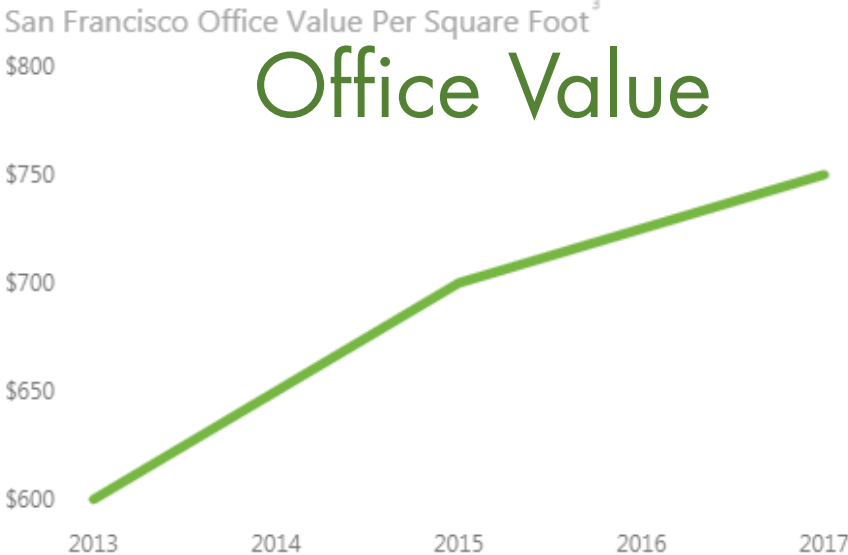
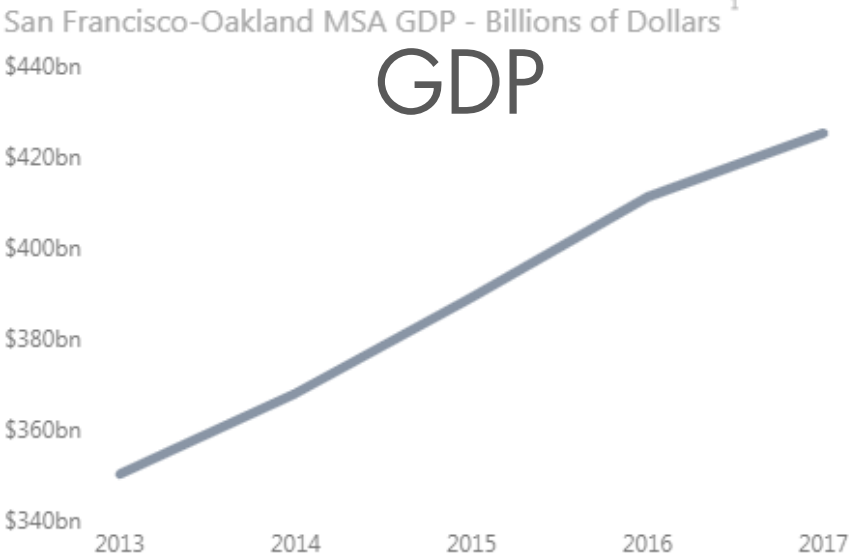


The cost of failing to act is great.

The City and constituents have shared interests in climate risk mitigation.

Time is a useful and necessary tool.

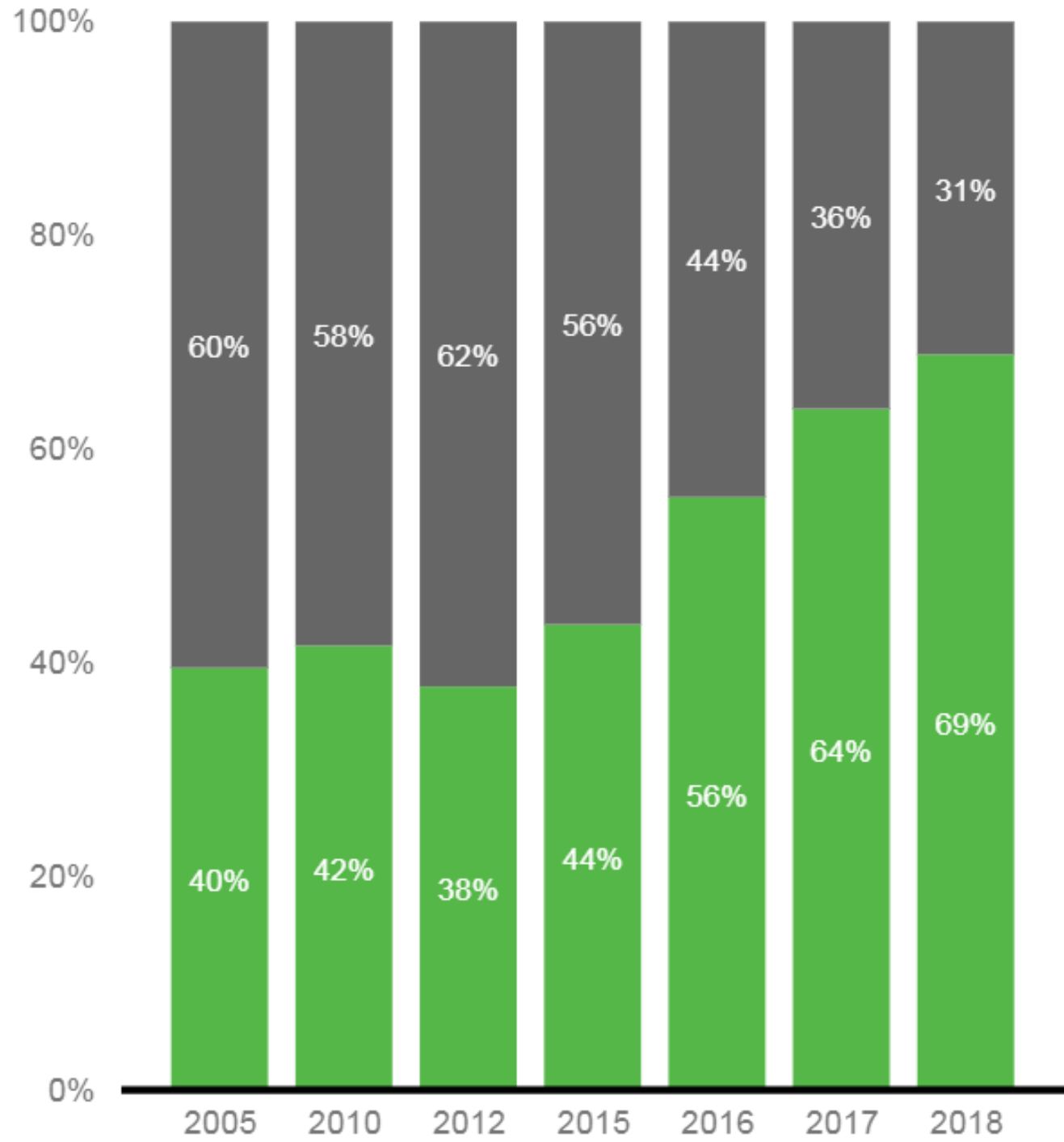
# San Francisco Commercial Buildings – Progress



# Citywide Grid-Supplied Electricity

**Non-Renewable**

**Renewable**



Emissions from Buildings: ↓51% since 1990

Current Emissions : 81% from gas

# Climate Change Impacting on San Francisco - Today



AP/Eric  
Risberg

Likelihood of 7.9 quake: 70%

PG&E estimated time to restore service after major quake:

Electricity: 6 days

Gas: 6 months

# City Goal: Zero Emissions for all buildings by 2050



# Range of Possible Futures

**All Carrot, No Sticks**

**Partnership**

**More  
Voluntary**

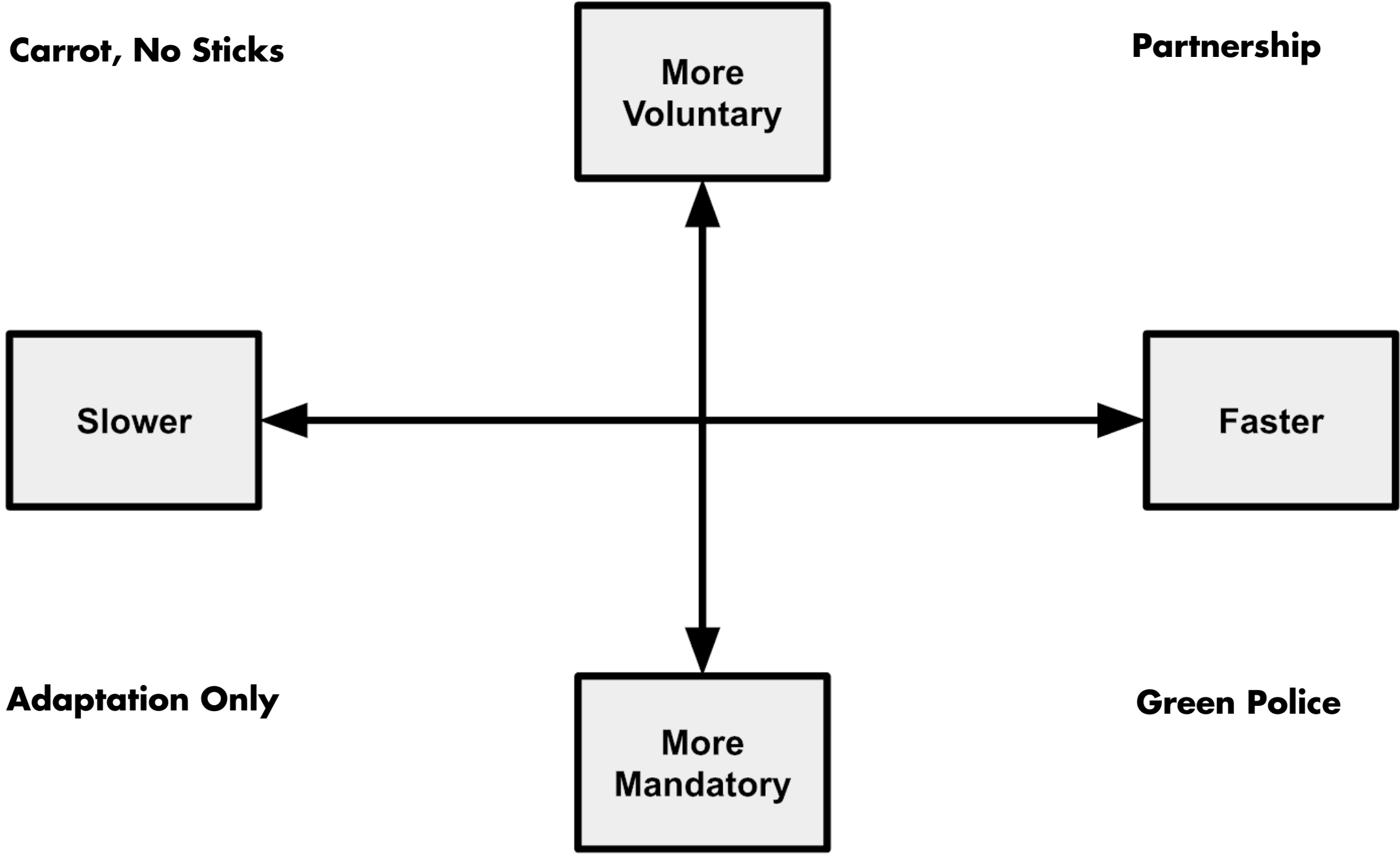
**Slower**

**Faster**

**Adaptation Only**

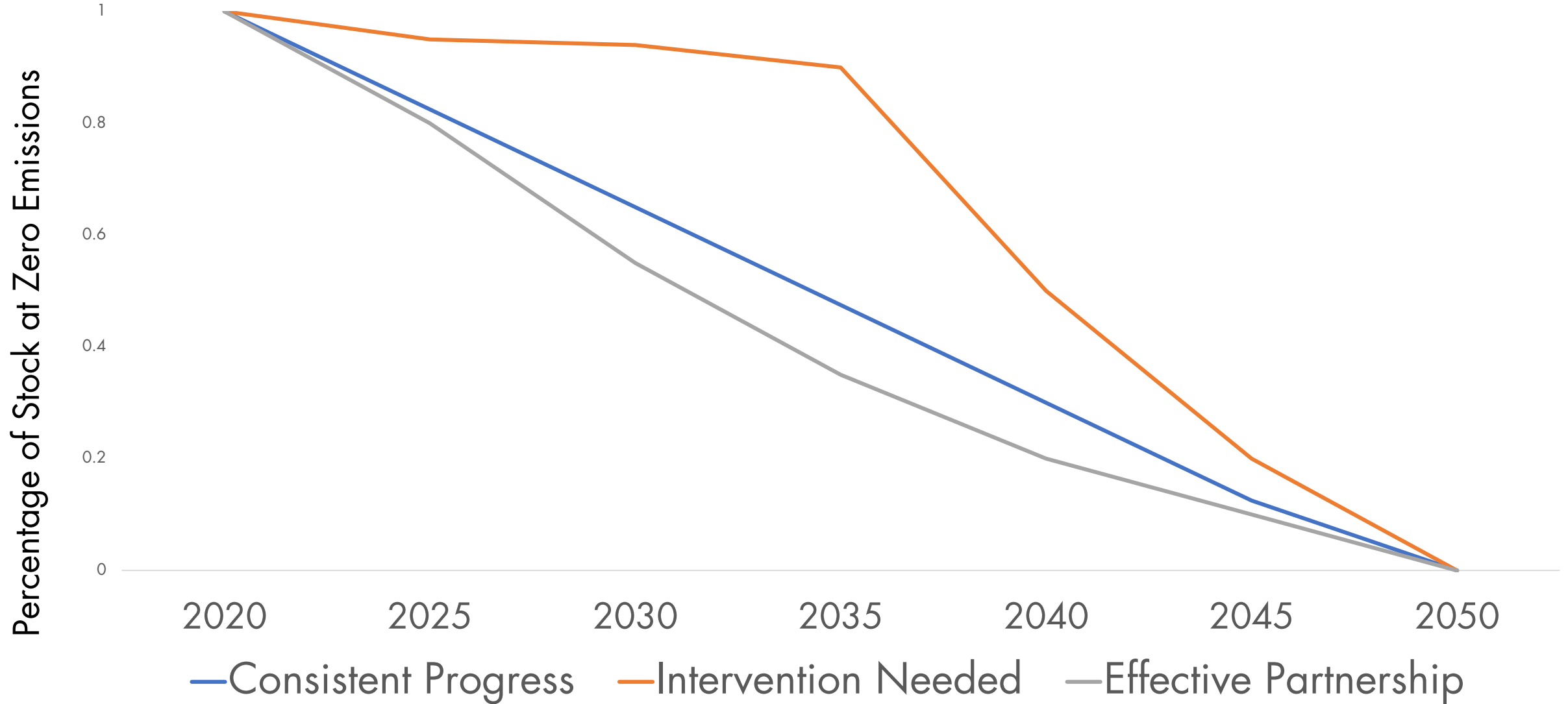
**More  
Mandatory**

**Green Police**





# Trajectory Influences Approach Necessary





# Thank You!



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