

DECISION MAKING GUIDELINES TO ENHANCE PORT RESILIENCE TO FLOOD EVENTS

Grace Python

Stevens Institute of Technology



Super-Storm Sandy



Sea-Level Rise Impact

Current Year Storm

- 100 year storm
- 500 year storm

End of the Century Occurrence

- Every 3 – 20 years
- Every 25 – 240 years



Lessons Learned

Successes

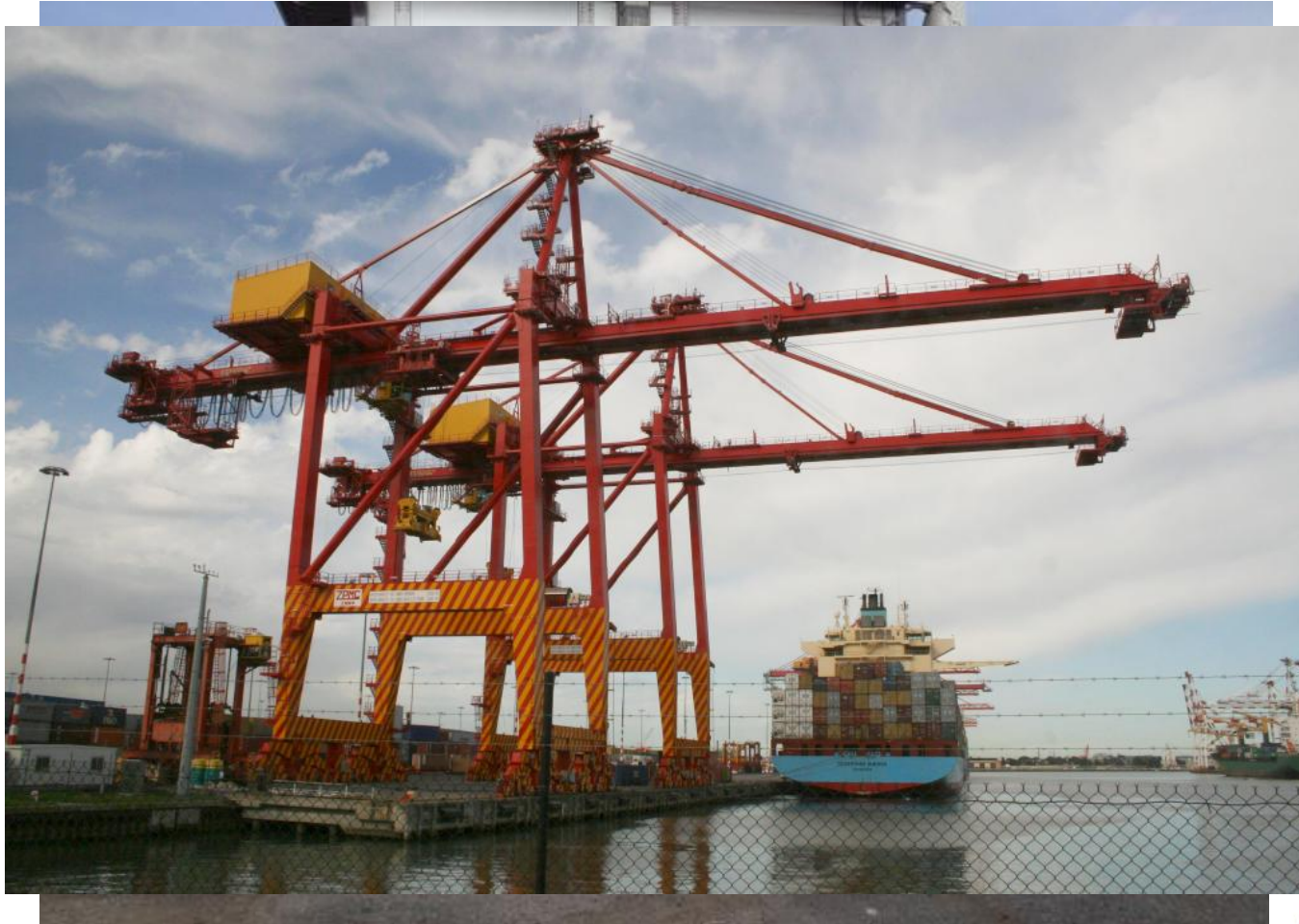
- Cooperation between agencies
- Effective training/ preparedness measures

Challenges

- Understanding of storm surge predictions
- Power outages
- Stockpiled equipment
- Building design

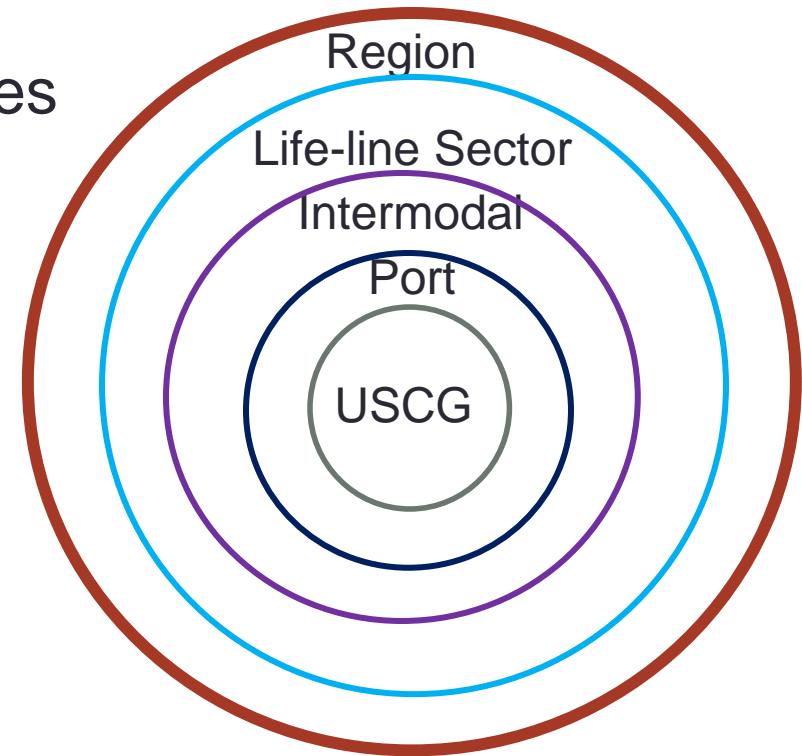


Preparing for the Future



Translating Lessons Learned to Other Ports

- Cooperative relationships
- Collaborative training opportunities
- Improved building design
- Operational changes



Conclusions

- Agency collaboration impacts preparedness and response to disruptions
- Ports have to be prepared to handle extreme weather events
- Maritime Transportation **System** resilience needs to be the ultimate goal



Questions?



Thank you!
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