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An Abstract for an oral presentation with respect to the conference theme of
Planning for the Annual 100 Year Event

A 2018 (Ten Year) Follow Up and Review of our PIEVC 2008 Placentia NL Coastal Public Infrastructure Vulnerability Evaluation Case Study

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Abstract:
A 2018 (ten year) follow up and review was conducted on our PIEVC 2008 Placentia NL coastal public infrastructure vulnerability evaluation case study. The infrastructure of interest was a sea wall, a breakwater, a downtown flood plain, and a road and culvert system. The case study included local consultations, infrastructure assessments, and opinions on the current and potentially changing loads from climate and other factors. Potential vulnerabilities and adaptive capacities were calculated. A 2008 project legacy included a Year 2050 Intensity – Duration – Frequency (IDF) curve for the local culvert designer. In 2018 we reviewed the 2008 case study information, assumptions, procedures, conclusions, and recommendations. We considered what would be different in 2018, and report on potentially applicable lessons learned for infrastructure designers, owners, operators, and climate change adaptation project teams in 2018.

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