

The Importance of Communicating Climate Change Costs



IAIA26
QUÉBEC CITY, CANADA

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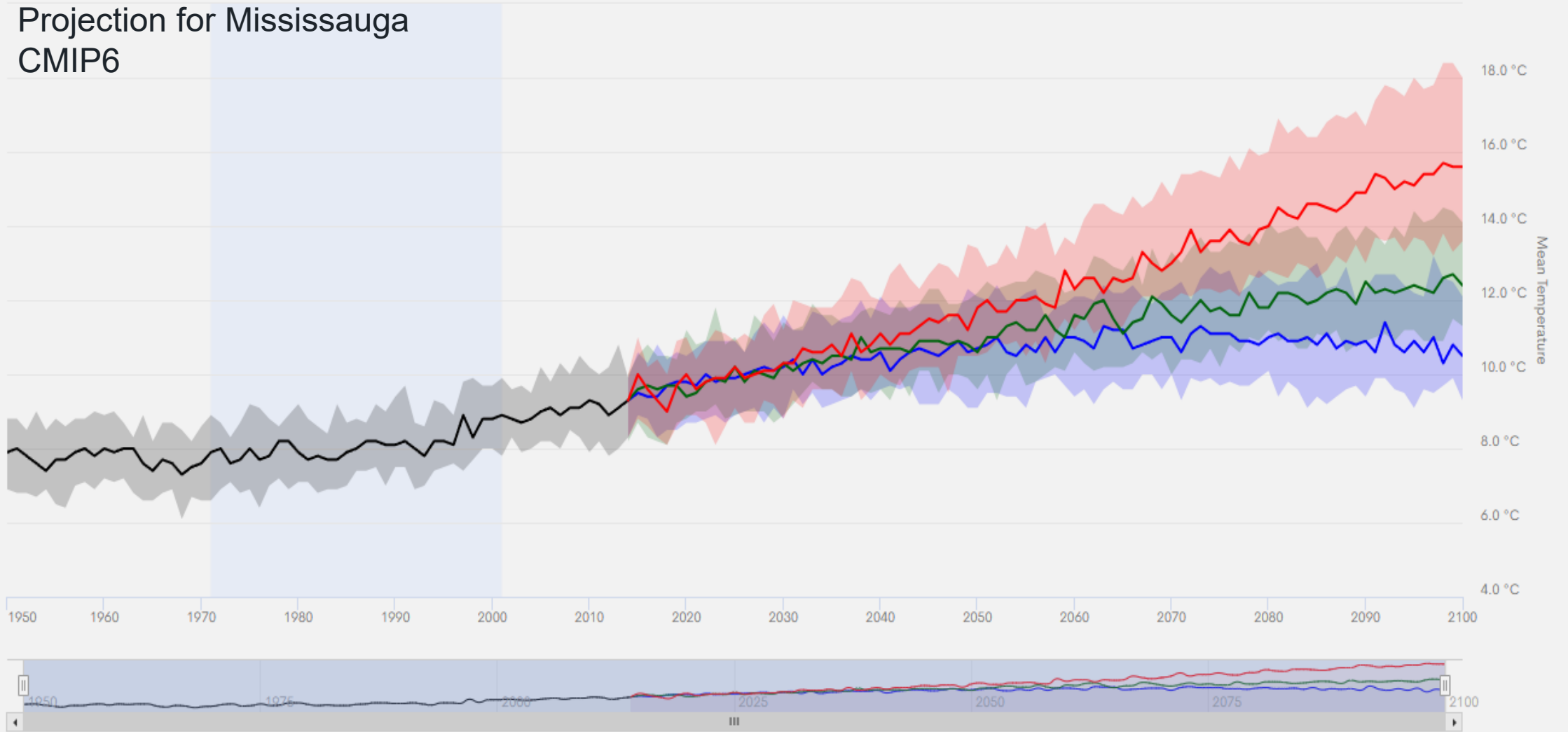
<https://ca.linkedin.com/in/christopher-davidson-h2o>





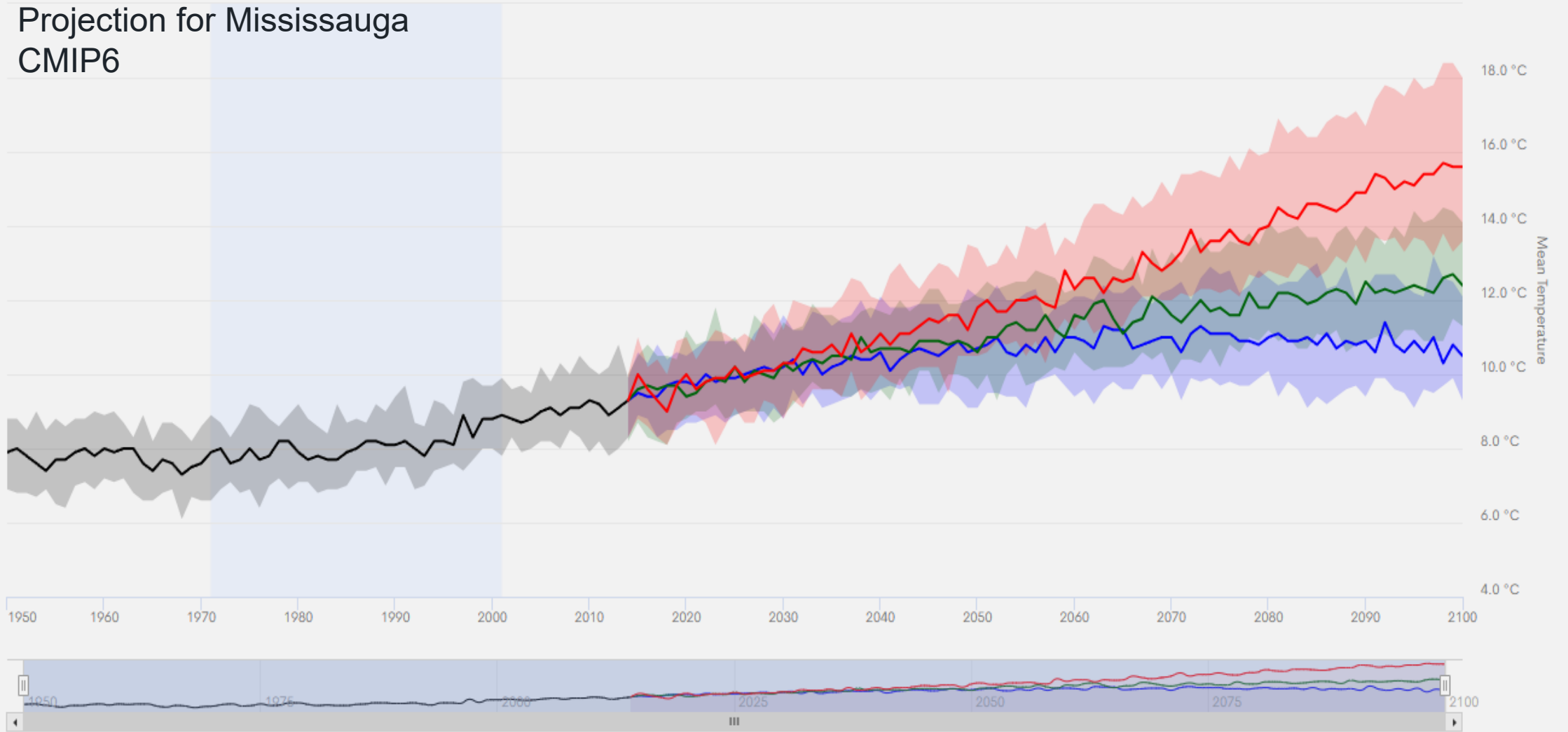
ClimateData.ca Projection for Mississauga CMIP6

— GRIDDED HISTORICAL DATA — MODELED HISTORICAL — SSP1-2.6 MEDIAN — SSP2-4.5 MEDIAN — SSP5-8.5 MEDIAN



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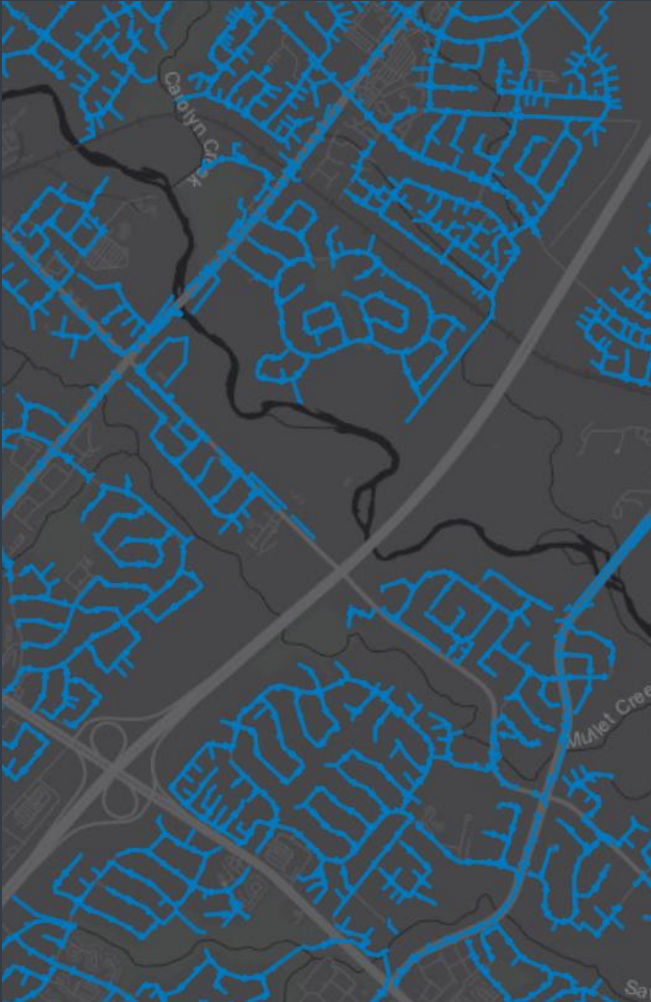


“certainty of knowledge”

Storm Sewer Inventory



Storm Sewer Inventory



Pipe Catalog

Reinforced Concrete Pipe

SIZE (mm)	UNIT MASS (kg/m)	CLASS 50-D \$ /metre
300	225	136.90
375	306	168.80
450	381	173.90
525	470	189.90
600	578	255.90
675	691	301.90
750	780	516.00
825	912	588.90
900	1039	718.10
975	1190	787.90
1050	1277	902.90
1200	1561	1,130.90
1350	1939	1,454.90
1500	2123	1,778.80
1650	2500	2,130.10
1800	2865	2,573.80
1950	3324	2,985.00
2100	3807	3,425.20
2250	4311	3,892.60
2400	4869	4,158.30
2550	5179	5,131.60

Storm Sewer Inventory

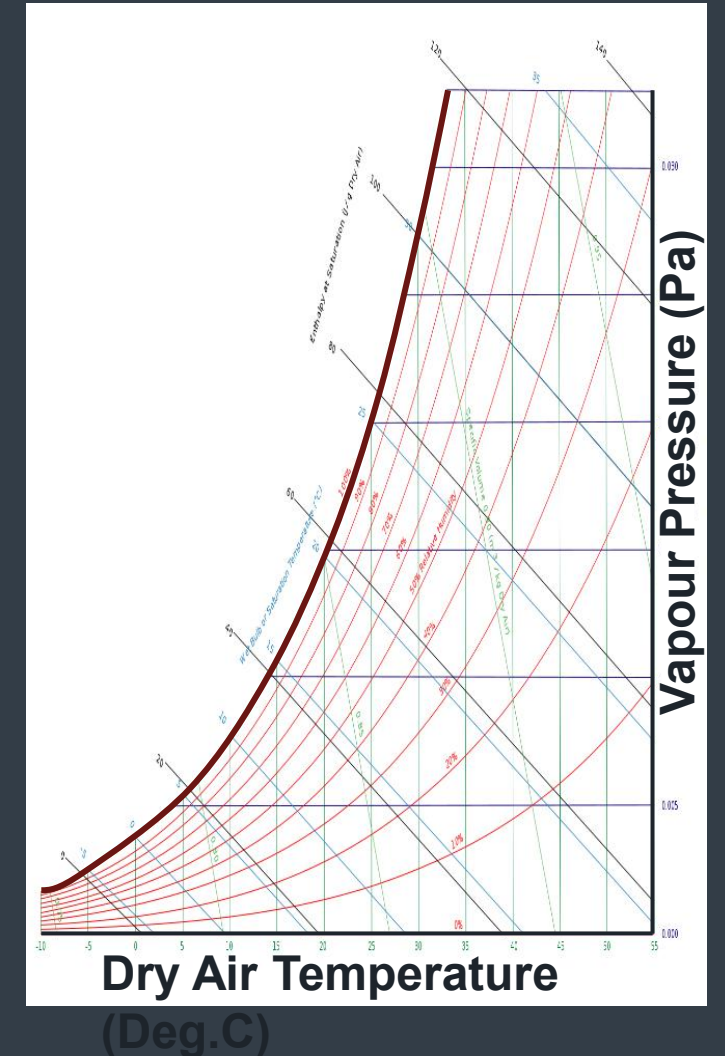


Pipe Catalog

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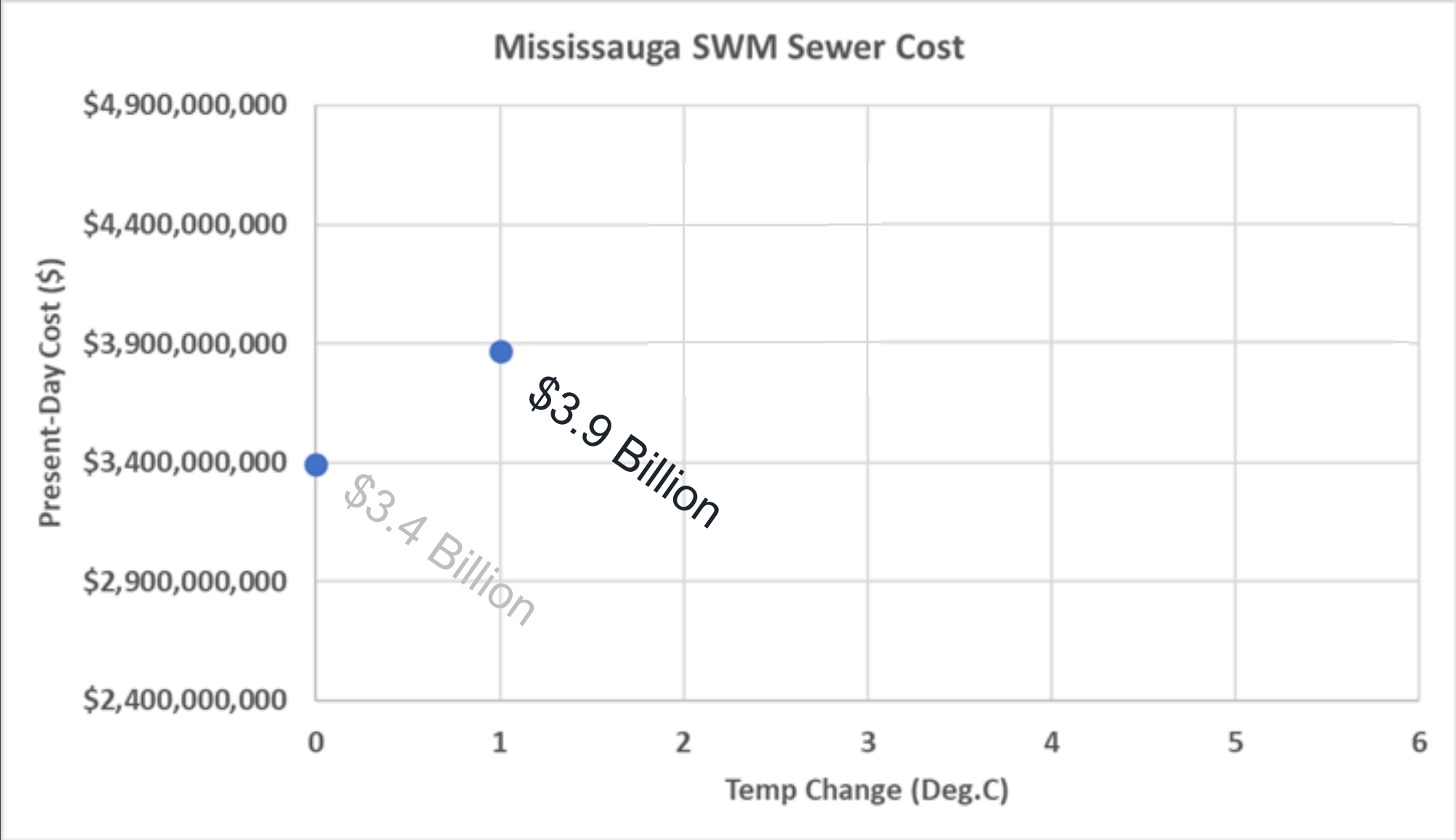
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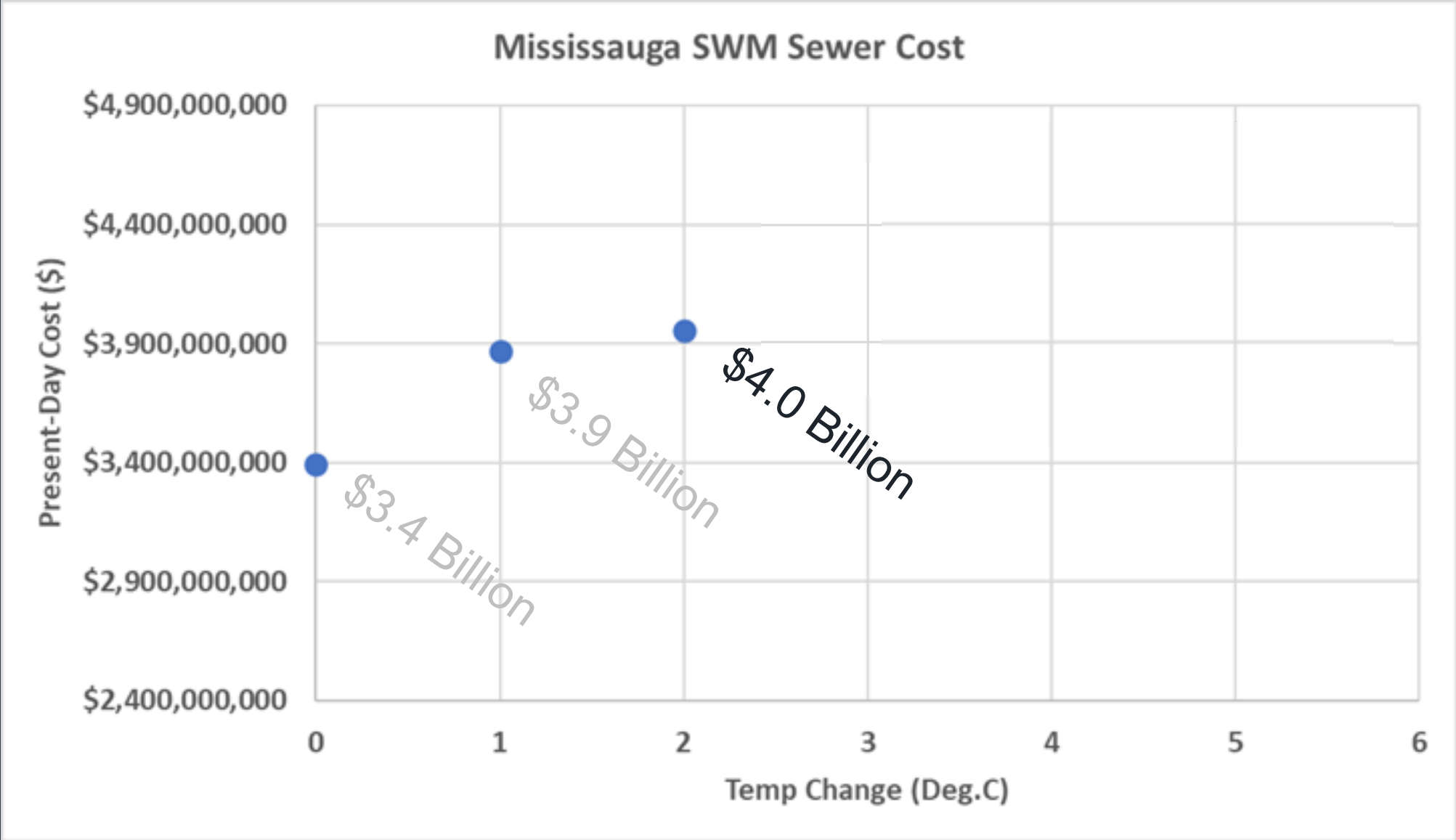
Temperature vs. Vapour Pressure

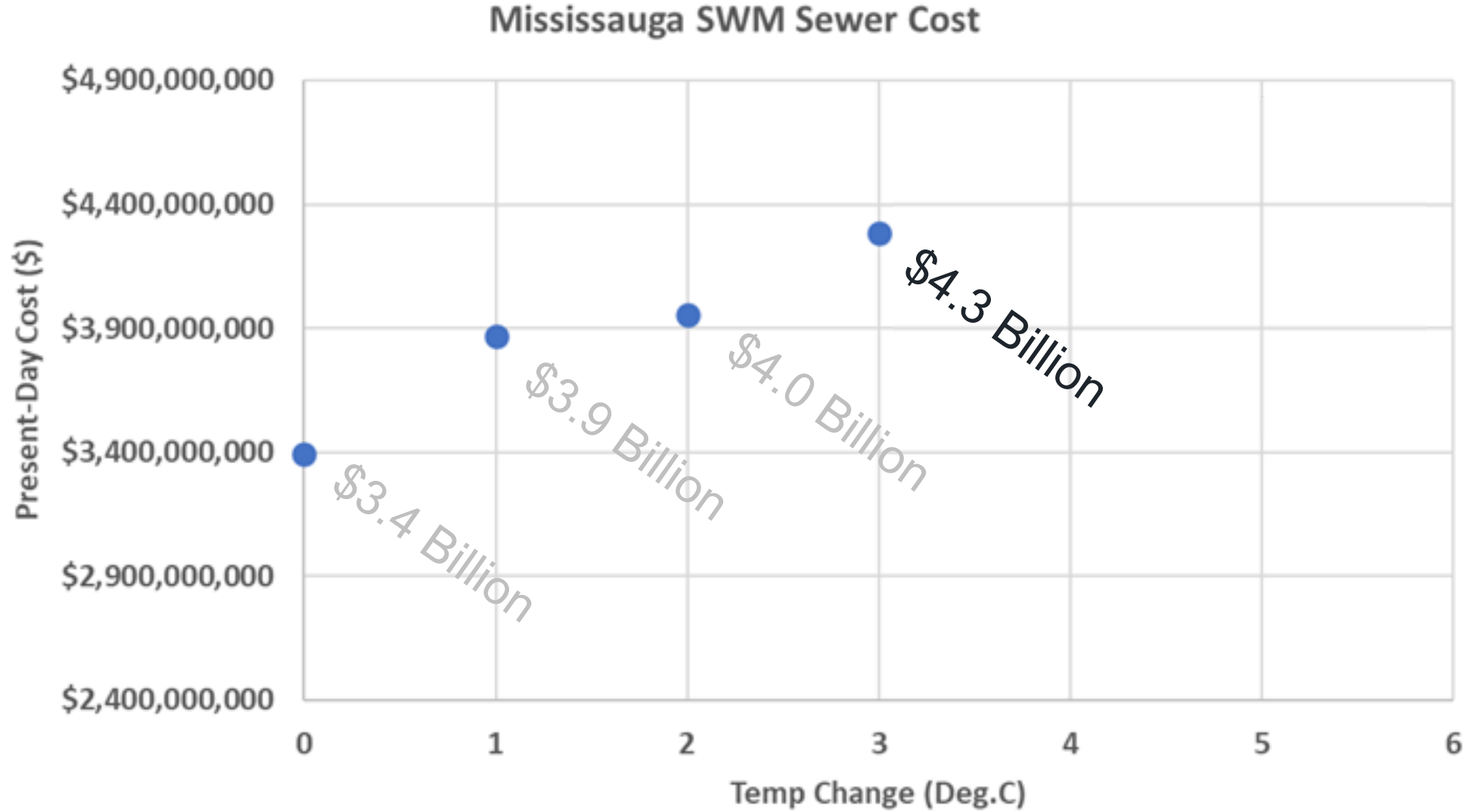


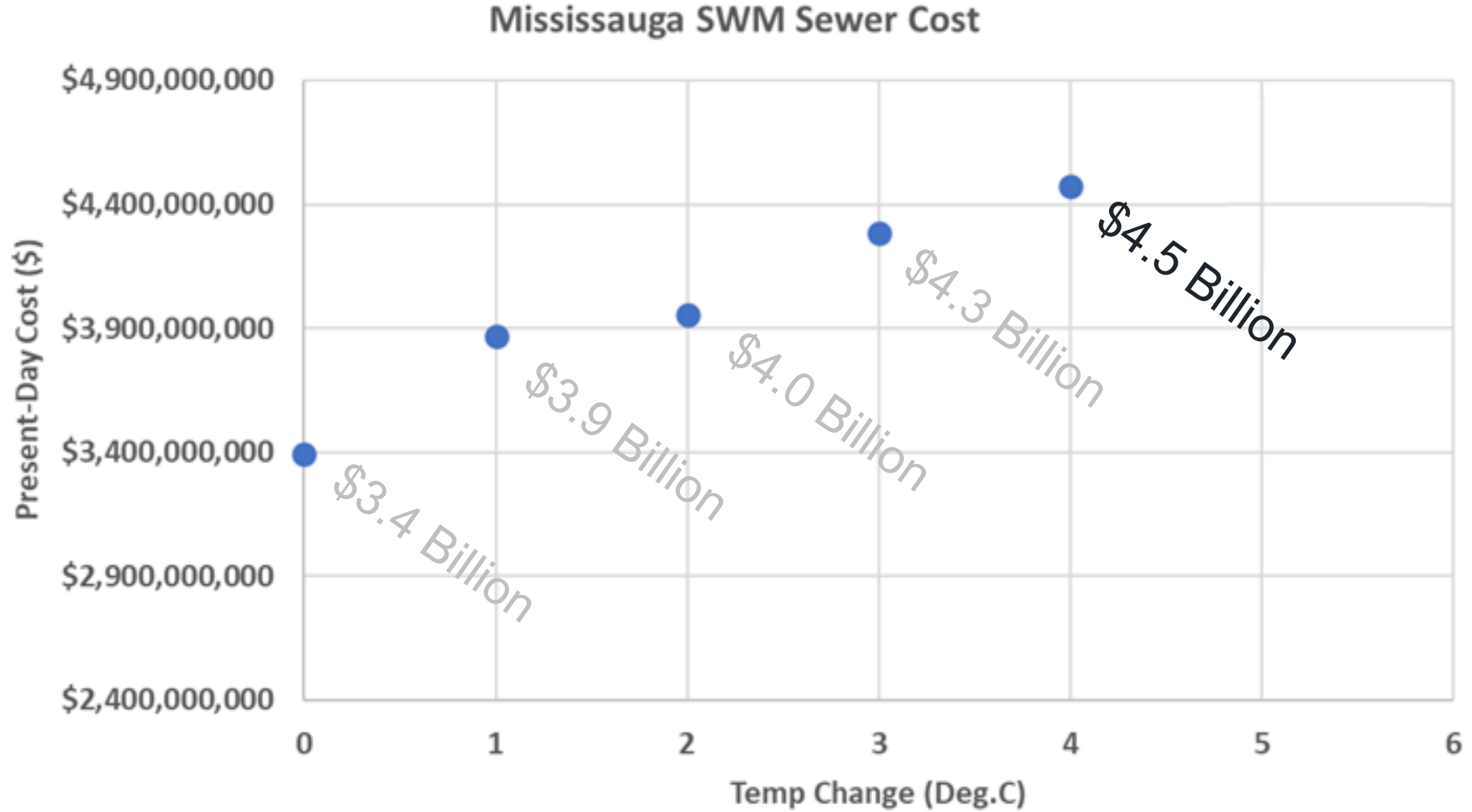
Mississauga SWM Sewer Cost

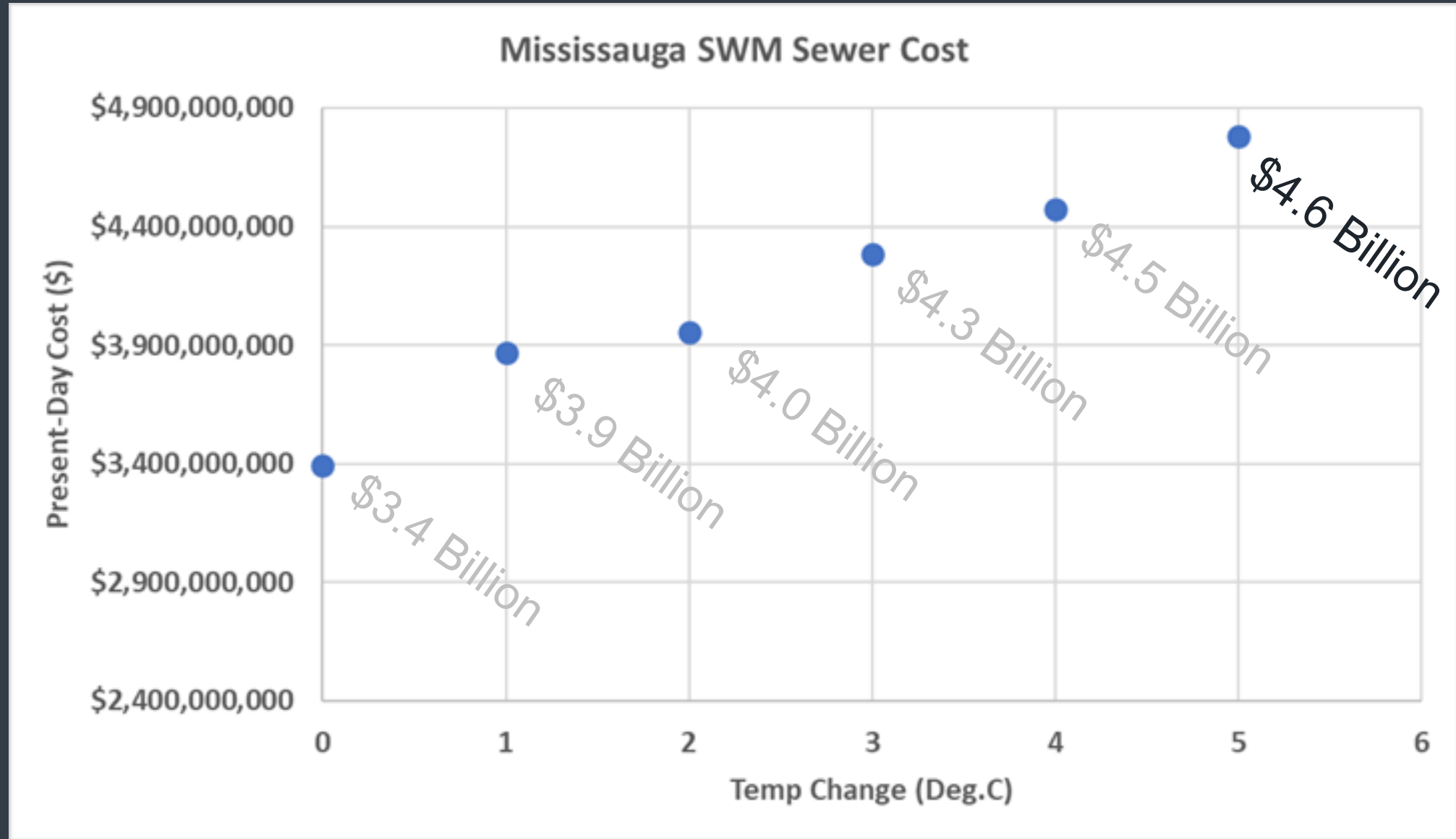




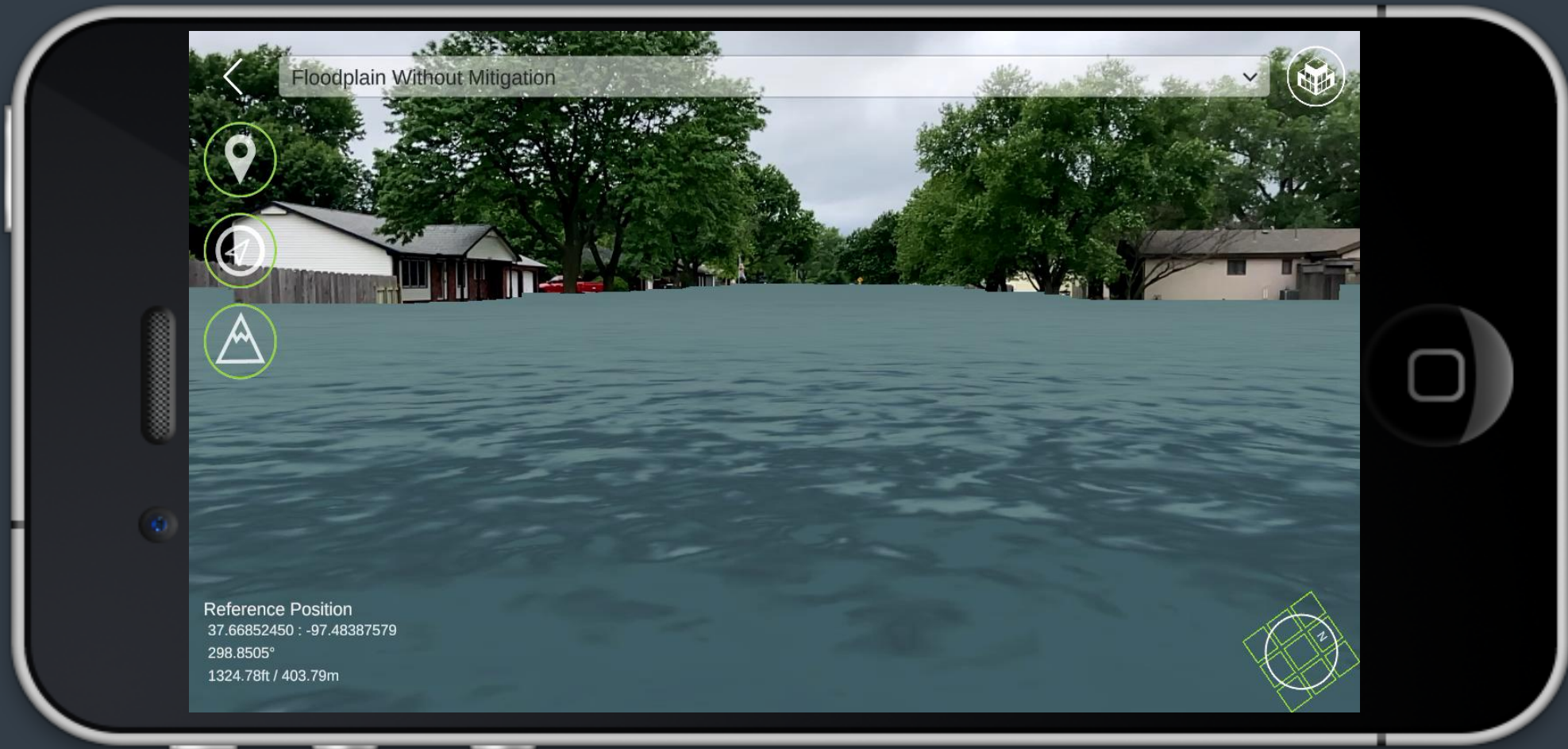












Map Legend

- Range gained
- Improving
- Slightly improving
- Stable
- Slightly worsening
- Worsening
- Range lost



Warming scenario:



Current

+1.5 °C

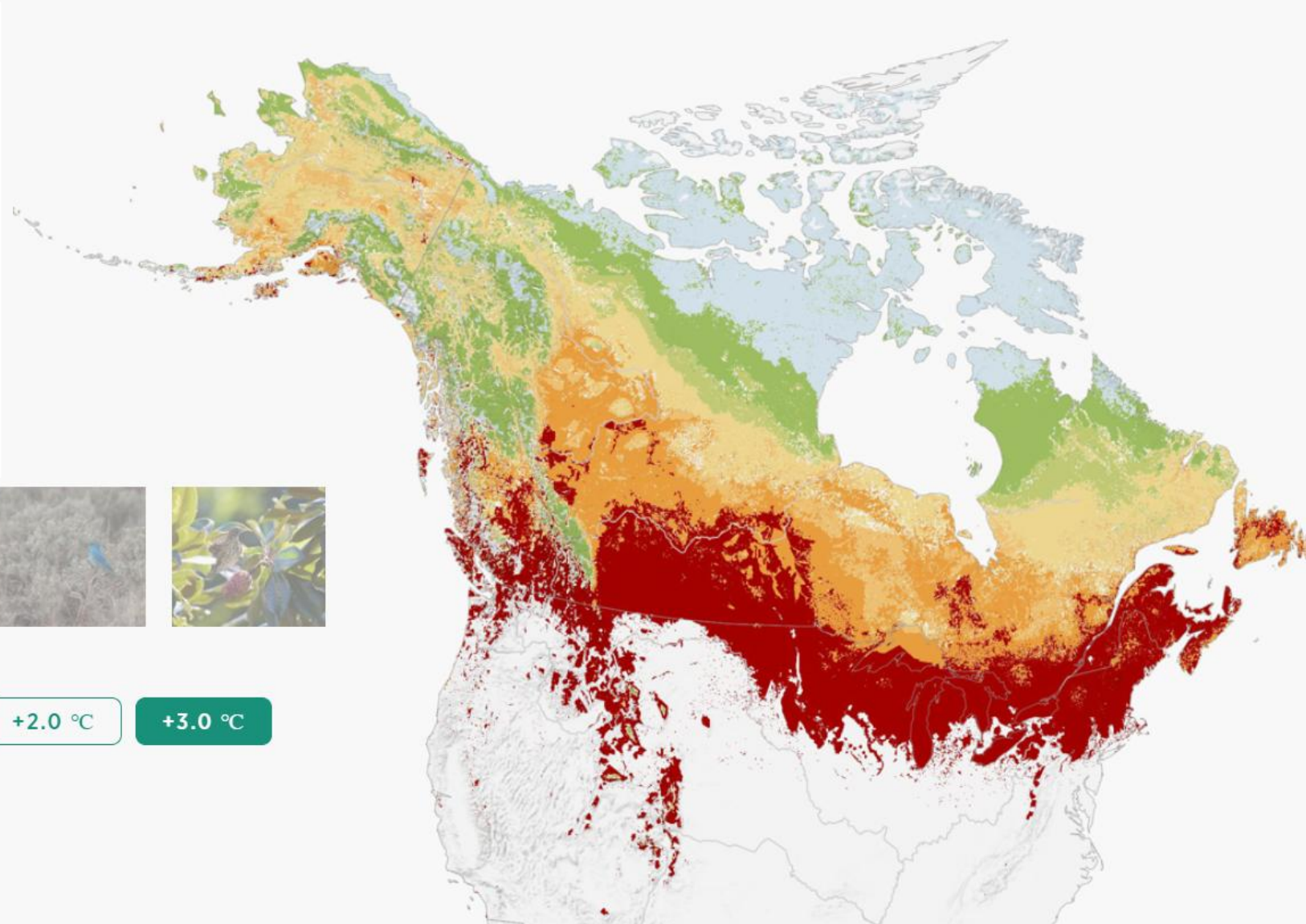
+2.0 °C

+3.0 °C



Why these temperatures?

Common Loon





2025



2025



2050



2025



2050



2080



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Let's continue the conversation!

Message me your questions or comments in the IAIA26 app.

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