

Hazard Risk Vulnerability Assessment-Regional Climate Resilience Strategy

Regional District of Central Okanagan Board Meeting

February 19, 2026

1450 K.L.O. Road
Kelowna, BC, V1W 3Z4
rdco.com



Project Consultant – Stantec Consulting Ltd.



■ Stantec Project Leads

- Daniel Hegg B.Comm., M.Sc.
 - Principal, Senior Hazard & Resilience Consultant
- Shane O'Hanlon B.Eng., M.Sc., Certified Foresight Practitioner
 - Senior Associate, Senior Climate Risk and Resilience Consultant

Hazard and Climate Risk & Vulnerability Assessments and Regional Climate Resilience Strategy

Regional District of Central
Okanagan

February 19, 2026



Why RDCO Is Undertaking This Initiative

RDCO is undertaking an integrated climate and hazard planning initiative to address increasing regional risks and responsibilities.

This initiative responds to:

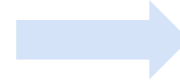
- *Emergency and Disaster Management Act (EDMA)*
- *Local Government Act Section 429(2)(d)*
- UBCM Community Emergency Preparedness Fund and Disaster Risk Reduction – Climate Adaptation 2022/23 grant



What We Are Delivering

Hazard Risk and Vulnerability Assessment (HRVA)

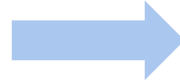
Focused on RDCO Electoral Areas and RDCO delivered services only



Identifies priority hazards, potential critical infrastructure risks and response gaps

Climate Risk and Vulnerability Assessment (CRVA)

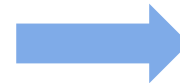
Region wide assessment of climate driven impacts and risks



Identifies region wide climate driven risks and vulnerabilities affecting people infrastructure systems and communities

Greenhouse Gas (GHG) Emissions Forecast & Targets

Region wide analysis of GHG emissions and reduction pathways



Forecast of regional GHG emissions (2050-2080) and medium- and long-term GHG targets

Regional Climate Resilience Strategy (RCRS)

Brings all findings together at a regional scale



Identifies regional climate / hazard priorities, actions and timelines within RDCO's authority and influence

How the Work Comes Together Over Time

Phase 1: Project Management & Engagement Planning

Phase 2: Hazard & Climate Exposure Analysis & Mapping

Phase 3: Hazard & Climate Vulnerability & Risk Assessment

Phase 4: Regional Climate Resilience Strategy

February 4

June 30

GHG Emissions Assessment & Forecast

- Regional GHG emissions forecast
- Review of low carbon resilience best practices
- Recommended medium- and long-term emissions targets

Engagement & Communication

Project Component	Purpose of Engagement	Who is Engaged
Hazard Risk & Vulnerability Assessment (HRVA)	Inform emergency preparedness and RDCO service delivery	<ul style="list-style-type: none"> • RDCO Staff • First Nations
Climate Risk & Vulnerability Assessment (CRVA)	Assess region wide climate risks and impacts	<ul style="list-style-type: none"> • RDCO Staff • Member Municipalities • First Nations • Community Organizations • General Public • Regional Climate Working Group
GHG Emisissions Forecasting & Target Setting	Develop regional GHG emissions forecast and targets	<ul style="list-style-type: none"> • RDCO Staff • Regional Climate Working Group
Regional Climate Resilience Strategy (RCRS)	Set coordinated regional priorities actions and timelines	<ul style="list-style-type: none"> • RDCO Staff • Member Municipalities • First Nations • Community Organizations • General Public • Regional Climate Working Group

Engagement Activities & Audiences

Phase	Engagement Activity	Duration	Audience(s)
Phase 1	Project planning and coordination meeting	Virtual: 2 hours	RDCO Staff
	Project overview presentation to Board	Virtual: 30 min	RDCO Board of Directors
	Project initiation webinar	Virtual: 1 hour	RDCO Staff; Member Municipality Staff; First Nations; Regional Climate Working Group
	Targeted staff and partner interviews	Virtual: ~1 hour each	RDCO Staff; First Nations
	Targeted First Nations interviews	Virtual: ~1 hour each	First Nations
	Community survey and project webpage	Online: 3 weeks for survey Project duration for webpage	General Public; Community Organizations
	Ongoing communications (social media)	Online: As needed for project duration	General Public; Community Organizations
Phase 3	HRVA Workshop	In-person: 1 day	RDCO Staff
	CRVA Workshop	In-person: 1 day	RDCO Staff; Member Municipality Staff; Community Organizations
Phase 4	HRVA-Focused Hazard Mitigation Planning Workshop	In-person: 1 day	RDCO Staff
	CRVA-Focused Regional Resilience Planning Workshop	In-person: 1 day	RDCO Staff; Member Municipality Staff; Community Organizations
	Integrated action prioritization workshop: Institutional	Virtual: 2.5 hours	RDCO Staff; Member Municipality Staff
	Integrated action prioritization workshop: Community	Virtual: 2.5 hours	Community Organizations
	Targeted First Nations meetings on draft actions and supports	Virtual: ~1 hour each	First Nations
	Draft RCRS review	Virtual: 2 hours	Regional Climate Working Group
	Public review of draft RCRS	TBD	General Public
	Final RCRS presentation	Virtual: 1 hour	RDCO Board of Directors

What We Have Done & What's Next

What We Have Done:

- Kicked off project with RDCO project team
- Finalized engagement and communications plan
- Hosted project initiation webinar
- Begun data review and hazard screening

What's Next:

- Targeted interviews with RDCO staff, RDCO member municipality staff and First Nations
- Launch project webpage and public survey
- Host in-person HRVA and CRVA workshops (Feb 26 & 27)

Daniel Hegg, B.Comm., M.Sc.
Senior Hazard & Resilience Consultant
daniel.hegg@stantec.com

Thank You



Recommendation

All Directors – Unweighted Corporate Vote – Simple Majority (LGA s.208)

THAT the Regional Board receives the Hazard Risk Vulnerability Assessment – Regional Climate Resilience Strategy Report from the Director of Protective Services/Regional Fire Chief dated February 19, 2026, for information.



Thank you