

Flood Resilience Grants Fact Sheet

(Grants announced in Calgary on May 1, 2018)

Alberta Community Resilience Program Approved Grants

The Alberta Community Resilience Program (ACRP) supports municipalities in the development of long-term resilience to flood and drought events, while supporting integrated planning and healthy, functioning watersheds.

Recipient and Project	Project Description	Amount
City of Calgary Downtown Flood Barrier	This project includes construction of a permanent flood barrier composed of earthen fill and concrete wall on the south bank of the Bow River, extending from the West Eau Claire flood barrier to Reconciliation Bridge.	\$4,153,027
City of Calgary Upper Plateau Separation Project	This project will separate the Upper Plateau stormwater system from the community of Sunnyside-Hillhurst in order to mitigate flooding and backflow into the community during high water events.	\$4,153,028
City of Calgary 9th Avenue (Inglewood) Bridge - Flood Resiliency	This project will improve the flood resiliency of the replacement bridge deck to the 100-year design level plus freeboard.	\$5,240,487
Cold Lake First Nation Cold Lake First Nations Flood Resiliency Roadworks Program	This project includes drainage improvements and stabilization works, allowing roadways to remain open for emergency access and potable water delivery. This project will also provide resilience enhancements to existing recovery projects. Work will be done in areas most impacted by overland flooding.	\$1,587,488
City of Grande Prairie 108th Street and 92 Avenue Stormwater Management	This project includes the construction of a new stormwater outfall to minimize erosion and flooding to protect the City's main emergency response routes and other critical infrastructure.	\$1,602,000
Town of Taber East Taber Constructed Wetland	This project includes a constructed wetland on the east side of town to reduce the impact of stormwater flooding within the Town's industrial area. This project will be constructed in partnership with the Taber Irrigation District.	\$3,228,870
Municipal District of Bighorn No. 8 Exshaw Creek Debris Flood Risk Mitigation Phase 2	This project includes a sediment trap on the north side of Highway 1A at Exshaw and associated bank protection and stabilization works to mitigate the debris-flood hazards from Exshaw Creek.	\$3,373,505
TOTAL		\$23,338,405

Program Eligibility

The ACRP will provide grants to municipalities for the design and construction of projects that protect critical municipal infrastructure from flooding and drought and help to ensure public safety is protected.

- Municipalities, First Nations, Métis Settlements, Improvement Districts and Special Areas are eligible.
- Private entities (individuals, associations or businesses) are **not** eligible.
- Any work funded under ACRP must be owned and operated/maintained by the municipality.
- Critical municipal infrastructure may include water, wastewater, electricity and stormwater works, as well as infrastructure used to access those services (e.g. access roads and transportation corridors).
- Public safety is defined as projects that mitigate hazards, prevent loss of life and/or enhance evacuation time.
- Funding may also be considered for projects to protect residences in neighbourhoods, as long as they are not located in a mapped or unmapped floodway.

Project Selection Criteria

ACRP projects are prioritized based on an assessment of the project's longevity, mitigated risk, historical damage, urgency and environmental impacts. Distribution of funding between municipalities is a consideration; however, it is not a deciding factor in determining a project's priority.

Cost-share Requirement

For approved projects, Environment and Parks provides 90% of the engineering and construction costs up to \$3 million and 70% for costs in excess of \$3 million. Operating and maintenance costs of a project are the responsibility of the municipality and are not eligible.

Watershed Resiliency and Restoration Program Approved Grants

The Watershed Resiliency and Restoration Program (WRRP) aims to protect communities from floods and drought by improving natural watershed functions.

Recipient	Project Location and Description	Amount
Agroforestry and Woodlot Extension Society	Location: Blindman River subwatershed, Red Deer River Basin Implement riparian enhancement projects in cooperations with agricultural landowners in the Blindman River watershed.	\$110,738
ALUS Canada	Location: Modeste Creek subwatershed, North Saskatchewan River Basin Riparian and wetland restoration of 263 hectares in the Modeste Creek watershed and an evaluation of the effectiveness and relative scale of green infrastructure for flood and drought mitigation.	\$721,385
Castle Grazing Stewardship Group	Location: Oldman River Basin This will support efforts to engage the Castle area grazing community in implementing watershed resiliency projects.	\$50,000
Ducks Unlimited Canada	Location: North Saskatchewan, Red Deer, Bow, Oldman, South Saskatchewan and Milk River Basins Restoration of 165 hectares drained wetlands in priority watersheds.	\$3,300,000
Friends of Fish Creek Provincial Park Society	Location: Bow River Basin Implement the Re-wild Fish Creek Provincial Park program with riparian plantings and volunteer engagement.	\$56,250

Lakeland Agricultural Research Association	Location: Beaver River Basin Watershed resiliency projects including education and outreach with agricultural landowners in Municipal District of Bonnyville and Counties of St. Paul, Lac La Biche and Smoky Lake.	\$290,000
Miistakis Institute for the Rockies Inc.	Location: Province-wide in priority watersheds Work with landowners and municipalities in priority watersheds to increase social tolerance to co-exist with beavers and mobilize knowledge in Alberta to address conflict.	\$293,000
Miistakis Institute for the Rockies Inc.	Location: South Saskatchewan River Basin Develop a process for municipal flood and drought action planning and test with a municipality in a priority watershed.	\$57,535
MD of Bighorn <i>on behalf of</i> Jumpingpound Creek Watershed Partnership	Location: Bow River Basin Riparian restoration with agricultural landowners in the Jumpingpound Creek watershed, including education and outreach, monitoring and evaluation.	\$97,485
Oldman Watershed Council	Location: Oldman River Basin Work collaboratively with Alberta Environment and Parks on public lands to increase stewardship and restoration in recreation management.	\$411,500
Red Deer County	Location: Red Deer River Basin Watershed resiliency projects with agricultural landowners in Red Deer County, including beaver co-existence tools, riparian plantings, exclusion fencing, off-stream watering systems, stream crossings.	\$245,000
Town of Coaldale	Location: South Saskatchewan River Basin Education and outreach to the community and schools related to stormwater management at the Coaldale constructed wetland.	\$39,000
Town of Devon	Location: North Saskatchewan River Basin Riparian restoration using bio-engineering techniques, supported with education and community outreach.	\$167,872
TOTAL		\$5,839,765

Applicant Eligibility

Municipalities, First Nations, local authorities, non-governmental organizations, stewardship groups and other not-for-profit organizations are all eligible to receive funds under the program, provided the funds are for projects undertaken in partnership with landowners. Private entities, whether it is an individual or enterprise, are eligible to participate and contribute to projects but are not eligible to receive funding under the WRRP. Partnerships between multiple stakeholders are encouraged under this program.

Project Eligibility

The WRRP focuses on watershed mitigation efforts that promote the long-term ability of watersheds to mitigate the effects of future flood and drought events naturally, and to help communities adapt to a changing climate.

Examples of eligible projects include:

- Riparian enhancements (e.g., plantings, re-vegetation, grazing management, off-stream watering)
- Wetland enhancements (e.g., wetland creation, conservation or restoration)
- Floodplain or river improvements (e.g., channel naturalization, removal of old structures, removal of flow impediments, floodplain storage capacity enhancements, etc.)
- Creation of or increased absorptive capacities of a watershed
- Irrigation or drainage district enhancements
- Conservation initiatives
- Data collection efforts for the purpose of research, evaluation and assessment related to a specific project(s) for watershed resiliency

- Education and outreach associated with a specific project(s) for watershed resiliency

Structural projects eligible for funding under Environment and Parks' Alberta Community Resiliency Program (ACRP) are **not** eligible to receive funding under the WRRP. Examples of **ineligible** projects include:

- Structural restoration or construction of dams, berms, dykes, tunnels, riprap, bridges, etc.
- Municipal infrastructure, such as stormwater ponds, etc.
- Groynes and other in-stream structures
- River training or realignment
- Erosion protection efforts

Project Selection Criteria

The primary criteria focus on the degree to which a proposed project mitigates the potential impacts of flood or droughts, and impacts on community safety and health (e.g., headwaters and floodplains where individuals could be affected). Secondary criteria such as biodiversity and additional environmental benefits, and complimentary criteria including data gathering, capacity building, outreach, education and stewardship, will also be considered.

Other Grants Approved by Environment and Parks

Recipient and Project	Project Description	Amount
Alberta Innovates Drinking Water Infrastructure Risk and Vulnerability Study	Location: Province-wide Alberta Innovates will assess the risks and vulnerabilities associated with low frequency hydrological events (both flood and drought) to 50 drinking water systems regulated by Alberta Environment and Parks, which serve approximately 85% of Alberta's population.	\$200,000
Global Water Futures Quantifying Climate Change for Flood Mapping Project	Location: Bow River Basin To better understand the magnitude and frequency of future extreme flood events in the Bow River basin, this project will test the viability of one scientific method for quantifying future flood flows and the potential use of these finding in future provincial flood mapping.	\$74,980