Introduction

In March 2018, for the first time, the Yukon government made public its spending plans for capital projects for the coming five years. The government took this step to be more transparent about its capital spending. It wanted all governments, industry and Yukoners to have more time to plan projects that meet the priority needs of Yukoners across the territory. It wanted the business and contracting community to have greater certainty about government's capital spending, giving the private sector time to plan their activities far in advance of an actual tender or construction season.

The Five-Year Capital Plan for 2019–20 builds on the Yukon government's first plan introduced last year. It features strategic investments across the territory that support a growing economy and improve the delivery of government services in key areas. It demonstrates the government's commitment to greater openness and giving a longer planning horizon to all those involved in government procurement, construction and infrastructure projects. The plan continues to benefit Yukoners by:

- Communicating clearly the Yukon government's spending plans among Yukoners, municipalities, First Nations governments and the private sector.
- Communicating our capital plans early so that all levels of government can work towards fulfilling the highest priority needs of Yukoners in all communities.
- Ensuring we take the time required to plan projects appropriately so they can be constructed and put into operation efficiently and effectively.
- Giving vendors a better opportunity to prepare and plan for seasonal projects because we are putting tenders out at the right time.

The Five-Year Capital Plan is a tool to respond to Yukoners' needs—be it better transportation, new and improved schools and health facilities, land for new housing, or technology that supports better services throughout the territory. It outlines our plans for the future while remaining flexible to address emerging needs and new information.

This year's plan

The 2019–20 Five-Year Plan presents capital projects in six categories:

- Land Development, Social Development, Education and Health
- Community and First Nations Infrastructure
- Real Property and Asset Management
- Transportation Infrastructure
- Energy
- Information Technology

These categories reflect refinements from last year's plan. Planned spending on land development has been combined with capital projects for housing, schools and health facilities. This gives a clearer picture of plans to increase housing in the territory—whether through the availability of more residential lots or through specific housing initiatives—as well as projects linked to meeting educational and health needs. Previously, these types of projects were included in the more generic "real property" category.

Energy-related projects now make up their own category to show more specifically how planned spending is linked to increasing the energy efficiency of existing buildings and developing new sources of renewable energy that reduce the territory's dependence on fossil fuels.

The real property category includes a sharper focus on improving and maintaining the government's existing assets. This recognizes that effective management of current buildings can address potential health and safety issues, improve existing infrastructure, and extend the useful life of facilities, thus protecting value.

The 2019–20 Five-Year Capital Plan also demonstrates the progress made on capital projects over the course of the past year. Construction will begin this year on projects previously at the planning or design stage such as the French First Language Secondary School and the Carmacks Grader Station. Other projects will be completed this year such as the Stewart Crossing and Swift River highway maintenance housing units, the Dawson airport runway paving and maintenance facility, the 15-unit Housing First project in Whitehorse and the Nares River bridge replacement.

Some plans have been adjusted to respond to emerging needs. For example, some specific school rebuilds have been replaced with projects to explicitly address increasing enrollment, such as the procurement of portables and a new school in Whistle Bend.

In addition to planning for a new school in the Whistle Bend subdivision in Whitehorse, the capital plan includes work on a range of other projects that will be initiated this year. These include:

- Two new 24-unit community housing facilities in Whitehorse to create more rental housing
- Health and wellness centre for Old Crow
- Modernization of Meditech, Yukon Hospital Corporation's health information system
- Planning for a secure medical unit at the Whitehorse General Hospital
- YukonBids (eProcurement) to modernize procurement
- Renovations to the historical Old Territorial Administration Building in Dawson
- Improvements to the Mayo Aerodrome to support mining development in the region

During the past year, several capital projects have been completed and have been removed from the capital plan. These include improvements to the Ross River Bridge, Carmacks seniors' housing, Watson Lake water reservoir, Drury Creek highway maintenance housing units and the expansion of Yukon Archives.

The Five-Year Capital Plan is a living document that is flexible and will change as priorities, circumstances and needs change. This plan will be kept evergreen, and this government will publish a continually updated plan every year as part of the budget documents.

Navigating the Five-Year Capital Plan

The chart below shows the planned annual spending in the six different categories over five years. In subsequent pages, planned projects are presented within a budget range, over the five-year period of the plan in order to provide an understanding of the project scope, location and the years that planning and construction will occur. The horizon is five years and every budget will communicate the next five-year view of the capital plan.

Estimates are presented in ranges to ensure procurement processes are fair and to provide flexibility as estimates will typically change to some degree over the course of the design stage.

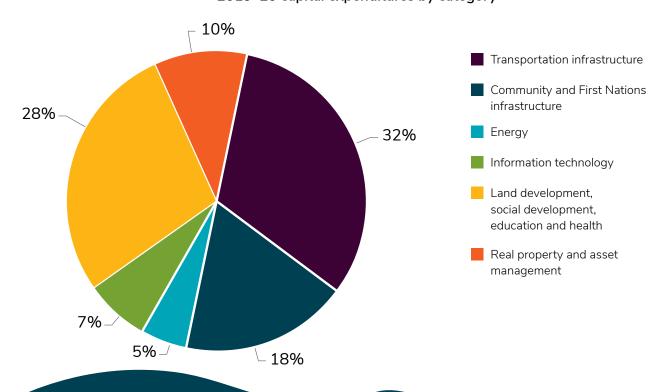
It should also be noted that projects included as part of the Five-Year Capital Plan may involve engagement with Yukoners, stakeholders or other governments during the planning process. Projects identified are also subject to regulatory approval and may be eligible for federal funding.

Five-Year Capital Plan gross expenditures by category (\$000s)

Category	2019–20	2020–21	2021–22	2022–23	2023–24
Land Development, Social Development, Education and Health	80,838	79,662	73,548	81,518	67,588
Community and First Nations Infrastructure	53,034	50,734	58,034	59,134	55,734
Real Property and Asset Management	28,166	29,523	23,979	23,498	43,748
Transportation Infrastructure	92,083	83,696	84,531	80,090	87,912
Energy	13,896	31,687	34,939	30,143	16,762
Information Technology	19,959	55,860	46,033	15,013	17,652
Totals	287,976	331,162	321,064	289,396	289,396

Final approval of the annual capital spending for the 2019–20 fiscal year will occur during this year's spring sitting of the Yukon Legislative Assembly.

2019–20 capital expenditures by category



Land development, social development, education and health

Our support of Yukoners' core needs through investments in land development, social development, education and health also enhance the foundation for economic growth.

We are addressing the housing shortage across Yukon through a surge in the development of new residential lots in both Whitehorse and communities. We will invest \$15 million each of the next five years in land development in Whitehorse. The bulk of the investment will help develop the Whistle Bend subdivision while we will also focus over \$4 million annually on rural land development. Construction costs for new developments are largely recoverable through lot sales.

In summer 2019, 240 Whistle Bend lots (186 single, townhouse and duplex; 19 multi-family; 35 commercial) will be sold through multiple releases. As well, 20 or more lot releases are planned in various communities through small subdivision developments or single lot releases.

Table 1a: Investments in land development

Project name	19–20	20–21	21–22	22–23	23–24	Range
Whitehorse and Rural Land Development	*	*	*	*	*	+\$25M

The successful Housing Initiatives Fund will continue to support the development of more affordable housing options across the territory, with a total of \$3.6 million available in 2019–20. First Nations governments, First Nations development corporations, developers, contractors, community organizations and the general public can apply for funding to support projects that will increase affordable housing options in their community.

Pressure in the housing market will be further offset through our investments in the following areas: the First Nation Housing Partnership Program to repair and build new housing for First Nations communities; the Challenge Disability Resource Group Cornerstone Project in Whitehorse that will provide affordable and mixed market housing options for a variety of citizens, including adults with developmental disabilities; and investments in converting single-units to duplexes and two new 24-unit community housing facilities to provide more housing units.

Table 1b: Investments in social development

Project name	19–20	20–21	21–22	22–23	23–24	Range
Yukon Housing Corp. – Construction Programs	*	*	*	*	*	+\$25M
Yukon Housing Corp. – Loan Programs	*	*	*	*	*	+\$25M
Two 24-Unit Community Housing (4th and Jeckell)	*	*	*	*	*	\$10M-\$25M
Challenge Cornerstone Project	*	*				\$5M-\$10M
Old Crow Mixed-Use 10-Plex	*	*	*			\$5M-\$10M
15 Unit Housing First Project (5 th and Wood)	*					\$1M-\$5M
Carcross Community Housing			*		*	\$1M-\$5M
First Nation Housing Partnership Program	*					\$1M-\$5M
Girls' Group Home Replacement – Whitehorse	*			*	*	\$1M-\$5M

Project name	19–20	20–21	21–22	22–23	23–24	Range
Group Homes Building Renovation – Wann Road	*	*				\$1M-\$5M
Watson Lake Housing First Program		*	*			\$1M-\$5M
Yukon Housing Corp. – Deployable Mobile Units			*	*	*	\$1M-\$5M

Infrastructure investments in the French First Language Secondary School and school portables and planning for a Whistle Bend elementary school will all occur in 2019–20 to support growing student enrollment and provide the capacity and flexibility to begin renovating or replacing aging schools. We will work with school communities over the coming years to ensure we continue to have safe and healthy learning environments in all Yukon schools.

Table 1c: Investments in education

Project name	19–20	20–21	21–22	22–23	23–24	Range
French First Language Secondary School	*	*				+\$25M
Whistle Bend School	*		*	*	*	+\$25M
Future School Planning and Development				*	*	\$10M-\$25M
Ross River School	*	*	*	*	*	\$10M-\$25M
Relocation of Kluane Lake School	*	*				\$1M-\$5M
School Portables	*	*				\$1M-\$5M
Selkirk School Staff Parking Lot	*					\$1M-\$5M
Golden Horn School Student Drop-off			*			<\$1M
Hidden Valley School Bus Loop Drop-off				*		<\$1M

We are meeting our commitment to improve hospital infrastructure through further planning and design for a new secure medical unit, upgrades to the Meditech Health Information System and an operating room expansion at Whitehorse General Hospital. The Old Crow Health and Wellness Centre will replace an aging facility and help modernize the provision of services in Old Crow.

Table 1d: Investments in health

Project name	19–20	20–21	21–22	22–23	23–24	Range
Old Crow Health and Wellness Centre						\$10M-\$25M
Replacement	*	*	*	*		
Meditech System Upgrade	*	*				\$5M-\$10M
Operating Room Expansion		*	*	*		\$5M-\$10M
Secure Medical Unit	*	*	*			\$5M-\$10M
Carcross Health and Wellness Centre Expansion			*		*	\$1M-\$5M
Copper Ridge Place Renovations	*					\$1M-\$5M
Mayo Health and Wellness Centre Replacement					*	<\$1M

Land development, social development, education and health	19–20	20–21	21–22	22–23	23–24
Totals (\$000s)	80,838	79,662	73,548	81,518	67,588

Community and First Nations infrastructure

Our commitment to Yukoners to promote sustainable and vibrant communities is supported through our community and First Nations infrastructure investments.

Spending in this category is focussed on the design and construction of community infrastructure, partially funded by the Government of Canada. Out of our 2019–20 commitment of \$53 million, we are investing approximately \$40 million in roads, clean drinking water, green energy, solid waste and wastewater management, at both territorial and local levels. We are working with communities to ensure that planning is aligned with First Nations and municipal priorities.

The Community and First Nations Infrastructure category also includes projects solely funded by the Government of Yukon, such as the Whitehorse Air Tanker Base and flood mitigation measures. Projects such as these are key to protecting the lives and property of all Yukoners.

The Yukon government is also committed to the regular replacement of RCMP detachments in Yukon. These projects are managed by the Government of Canada and partially funded by Yukon, as part of the agreement for enforcement services in the territory.

Table 2: Investments in community and First Nations infrastructure

Project name	19–20	20–21	21–22	22–23	23–24	Range
Carmacks Arena	*	*				\$10M-\$25M
Community Loan Programs	*	*	*	*	*	\$10M-\$25M
Community Project Planning	*	*	*	*	*	\$10M-\$25M
Dawson City Infrastructure Upgrades	*	*	*	*		\$10M-\$25M
RCMP Detachments	*	*	*	*	*	\$10M-\$25M
Whitehorse Air Tanker Base	*		*	*		\$10M-\$25M
Burwash Landing Water Plant	*	*				\$5M-\$10M
Faro Water and Sewer Upgrades	*	*				\$5M-\$10M
FH Collins Track and Field	*					\$5M-\$10M
Flood Mitigation	*	*	*	*	*	\$5M-\$10M
Haines Junction Water and Sewer Upgrades	*					\$5M-\$10M
Mayo Infrastructure Upgrades	*					\$5M-\$10M
Whitehorse Downtown Upgrades	*	*	*			\$5M-\$10M
Old Crow Lagoon Upgrades	*					\$1M-\$5M
Teslin Connector Road	*					\$1M-\$5M
Watson Lake Lagoon Upgrades	*					\$1M-\$5M

Project name	19–20	20–21	21–22	22–23	23–24	Range
Na-Cho Nyäk Dun Water Plant Upgrade	*					<\$1M
Totals (\$000s)	53,034	50,734	58,034	59,134	55,734	

Real property (buildings) and asset management

Investments in real property include design, maintenance, repair and recapitalization of government-owned buildings, campgrounds and historic sites. We invest each year to maintain the Government of Yukon's existing buildings and structures. Recapitalization and building maintenance are part of our sound asset management practice, integral to providing quality spaces for public services.

Our capital plan includes stable and predictable funding to maintain our existing inventory of equipment, including medical and scientific equipment, firefighting equipment and ambulances. In 2019–20 we intend to invest \$9 million in equipment. This category also includes the ongoing care and improvements to our cultural assets such as heritage buildings, historic sites and Yukon's permanent art collection.

Building assets that support internal government functions and services are also included in this category.

Table 3: Investments in real property and asset management

Project name	19–20	20–21	21–22	22–23	23–24	Range
Assorted Capital Projects						
Heritage Resources and Administration Facility	*	*		*	*	\$10M-\$25M
Campground and Parks Recapitalization	*	*	*	*	*	\$5M-\$10M
Carmacks District Office Replacement			*		*	\$5M-\$10M
Morgue and Coroner's Office – Whitehorse				*	*	\$5M-\$10M
Old Territorial Administration Building – Dawson	*	*				\$5M-\$10M
Integrated Asset Management Program Development	*	*	*	*	*	\$1M-\$5M
Klondike Palaeontology Centre				*	*	\$1M-\$5M
Main Administration Building Renovations	*	*				\$1M-\$5M
Collections and Exhibits	*	*	*	*	*	\$1M-\$5M
Historic Sites Maintenance	*	*	*	*	*	<\$1M
Ladue Sawmill Restoration	*	*				<\$1M
Permanent Art Collection Storage	*					<\$1M
Wolf Creek Bridge Replacement	*					<\$1M
Equipment						
Ambulances and Fire Trucks	*	*	*	*	*	\$5M-\$10M
Aviation Equipment	*	*	*	*	*	\$1M-\$5M
Furniture	*	*	*	*	*	\$1M-\$5M

Project name	19–20	20–21	21–22	22–23	23–24	Range
Generators	*	*	*	*	*	\$1M-\$5M
Health Equipment	*	*	*	*	*	\$1M-\$5M
Information and Communication Equipment	*	*	*	*	*	\$1M-\$5M
Office Equipment	*	*	*	*	*	\$1M-\$5M
Public Safety Equipment	*	*	*	*	*	\$1M-\$5M
School Equipment	*	*	*	*	*	\$1M-\$5M
Ferry and Barge Equipment	*	*	*	*	*	<\$1M
Recapitalization and Building Maintenance						
Planning and Design	*	*	*	*	*	\$10M-\$25M
Health and Safety Projects	*	*	*	*	*	\$5M-\$10M
Site Improvements Projects	*	*	*	*	*	\$5M-\$10M
Small Repairs and Renovation Projects	*	*	*	*	*	\$5M-\$10M
Accessibility Projects	*	*	*	*		\$1M-\$5M
Electrical Projects	*	*	*	*	*	\$1M-\$5M
Elevator Upgrades	*	*	*	*	*	\$1M-\$5M
Environmental Projects	*	*	*	*		\$1M-\$5M
Exterior Envelope Projects	*	*	*	*	*	\$1M-\$5M
Fuel Tank Replacements	*	*	*	*	*	\$1M-\$5M
Mechanical Projects	*	*	*	*	*	\$1M-\$5M
Paint and Flooring Projects	*	*	*			\$1M-\$5M
Structural Repairs and Upgrades	*	*	*	*	*	\$1M-\$5M
Building Security Projects	*			*		<\$1M
Totals (\$000s)	28,166	29,523	23,979	23,498	43,748	

Transportation infrastructure

Investments in Yukon's transportation infrastructure will generate long-term economic opportunities for Yukon communities and First Nations and improve road safety for all users. Modern transportation infrastructure is necessary to support the needs of our industry sectors where lower costs and competitiveness are vital to a strong and vibrant Yukon economy.

The Yukon Resource Gateway Project and airport improvement projects in Whitehorse, Dawson City and Mayo, support economic growth and diversification and develop major economic sectors such as mining and tourism.

We have allocated funds for the design and repair or replacement of the Nisutlin Bay Bridge and we are working with the Teslin Tlingit Council and the Village of Teslin to develop a project that meets the short and long-term needs of the community.

We invest annually to maintain and upgrade our existing transportation network. Road enhancements such as the Alaska Highway safety improvements, bridge replacements and ongoing inspections and repairs not only keep the public safe but support industry in the efficient and safe transport of goods.

Table 4: Investments in transportation infrastructure

Project name	19–20	20–21	21–22	22–23	23–24	Range
Aviation						
Airport – Whitehorse						
Runway and Taxiway Improvements	*	*	*	*	*	+\$25M
Airport Maintenance Facility Construction	*			*	*	\$10M-\$25M
Site Improvements	*	*	*	*		\$5M-\$10M
Terminal and CATSA Security Upgrades	*		*	*	*	\$5M-\$10M
Airport – Dawson						
Runway and Taxiway Improvements	*					\$10M-\$25M
Airport Maintenance Facility Construction	*					\$1M-\$5M
Airport – Mayo						
Runway and Taxiway Improvements	*		*	*	*	\$1M-\$5M
Terminal Improvements	*					\$1M-\$5M
Site Improvements	*			*		<\$1M
Rural Aerodromes						
Runway and Taxiway Improvements	*		*	*	*	\$10M-\$25M
Site Improvements	*			*	*	\$1M-\$5M
Security Upgrades	*			*	*	<\$1M
Bridges						
Nisutlin Bay Bridge Replacement	*		*	*		+\$25M
Nares Bridge Replacement	*					\$5M-\$10M
Bearfeed Bridge Rehabilitation	*					\$1M-\$5M
Drury Creek Bridge Rehabilitation	*					\$1M-\$5M
Fox Creek Bridge Replacement	*					\$1M-\$5M
Johnson's Crossing Bridge Rehabilitation	*					\$1M-\$5M
Klondike River Bridge Rehabilitation	*					\$1M-\$5M
McCabe River Bridge Resurfacing			*	*		\$1M-\$5M
Moose Creek Bridge Resurfacing			*		*	\$1M-\$5M
Big Creek Bridge Replacement	*					<\$1M
Dominion Creek Bridge Replacement	*					<\$1M

Project name	19–20	20–21	21–22	22–23	23–24	Range		
Lee Creek Bridge Replacement	*					<\$1M		
Mayo River Bridge Rehabilitation			*		*	<\$1M		
Highways								
Alaska Highway Intersection Safety Improvements – Whitehorse	*	*	*	*	*	+\$25M		
Yukon Resource Gateway Project	*	*	*	*	*	+\$25M		
Alaska Highway – Outside Whitehorse	*	*	*	*	*	\$10M-\$25M		
Road Resurfacing	*	*	*	*	*	\$10M-\$25M		
Highway Safety Program	*	*	*	*	*	\$10M-\$25M		
Klondike Highway	*	*	*	*	*	\$5M-\$10M		
Campbell Highway	*	*	*			\$1M-\$5M		
Canol Road		*	*	*	*	<\$1M		
South McQuesten Road	*					<\$1M		
Transportation Maintenance Buildings								
Carmacks Grader Station	*					\$5M-\$10M		
Teslin Grader Station		*	*			\$5M-\$10M		
Stewart Crossing Highway Maintenance Housing	*					\$1M-\$5M		
Swift River Highway Maintenance Housing	*					<\$1M		
Totals (\$000s)	92,083	83,696	84,531	80,090	87,912			

Energy

We have accelerated our investments in energy efficiency initiatives by leveraging federal funding to advance such projects as lighting and building envelope upgrades, and roof replacements of government buildings and housing. Our capital investments in building retrofits and renewable energy programs will total over \$13 million in 2019–20 and are set to increase annually over the next two years. These projects will be immediately successful in reducing energy consumption and lowering greenhouse gas emissions.

We are using the Low Carbon Economy Fund (LCEF) to invest \$3.6 million a year for the next four years for retrofits to First Nations housing and existing social and staff housing. We are also using federal funds to help First Nations undertake energy retrofits to their public buildings.

We are entering our second year of a five-year commitment of \$1.5 million annually in the Innovative Renewable Energy Initiative to help communities and First Nations develop local renewable energy generation. The federal Arctic Energy Fund targets investments in reducing dependence on fossil fuels.

Our commitment to reducing energy consumption and reliance on fossil fuels is not only limited to the capital budget. This objective is also supported in our Operations and Maintenance budget through a variety of programs offered through Energy, Mines and Resources, all designed with the ultimate goal of reducing greenhouse gas emissions.

Table 5: Investments in Energy Projects

Project name	19–20	20–21	21–22	22–23	23–24	Range
Arctic Energy Fund	*	*	*	*	*	+\$25M
Yukon Government Buildings – Energy Retrofits	*	*	*	*	*	+\$25M
Innovative Renewable Energy Initiative	*	*	*	*		\$5M-\$10M
First Nations Housing – Energy Retrofits	*	*	*	*		\$5M-\$10M
Staff/Social Housing – Energy Retrofits	*	*	*	*		\$5M-\$10M
Totals (\$000s)	13,896	31,687	34,939	30,143	16,762	

Information technology

Information technology (IT) is very important in the delivery of public programs and services. We are focussed on improving how we serve the public and our investments in information technology and information management are geared to providing Yukoners with better access to data and to Yukon government services. We also know the important role of information technology in classrooms and are investing \$2 million a year for IT equipment for schools to support modern learning environments. As we increase our services in the digital world we are also taking care to make both adequate and appropriate investments to ensure the privacy and security of our data resources is maintained.

Our leadership in developing and managing our natural resources is also supported through our investments in information technology. Projects include ongoing improvements to Geomatics Yukon, increasing online submittals for exploration activities and commercial timber harvest eServices to provide essential data enhancements and help streamline application processes.

We realize how important it is to keep Yukoners and business continuously connected and our investments in the Dempster Highway Fibre Line will improve our network reliability and expand business opportunities in Yukon. A second fibre line will modernize our network infrastructure and provide stability and system integrity.

Table 6: Investments in Information technology

Project name	19–20	20–21	21–22	22–23	23–24	Range		
IT Asset Management								
Dempster Fibre	*	*	*			+\$25M		
IT Systems in Schools	*	*	*	*	*	\$10M-\$25M		
Information and Data Management	*	*	*	*	*	\$1M-\$5M		
Business Improvements								
Land Information Modernization		*	*	*		\$1M-\$5M		
Motor Vehicles Licensing and Registration: YuDrive	*	*				\$1M-\$5M		
YukonBids (eProcurement)	*	*				\$1M-\$5M		

Project name	19–20	20–21	21–22	22–23	23–24	Range
Budgeting System	*					<\$1M
Fire Resource Administrative Tracking	*					<\$1M
Land Titles Modernization	*					<\$1M
Minerals Modernization	*	*	*			<\$1M
Professional Licensing and Regulatory Affairs	*	*				<\$1M
eServices						
Geomatics Yukon	*	*	*	*	*	\$1M-\$5M
TravelYukon.com	*	*	*	*	*	\$1M-\$5M
eServices Single Sign-On	*	*	*	*	*	\$1M-\$5M
CampPass		*				<\$1M
Commercial Timber Harvest eServices			*	*	*	<\$1M
eServices Web Publishing	*	*				<\$1M
Totals (\$000s)	19,959	55,860	46,033	15,013	17,652	