



# Yukon Infrastructure Plan

Canada-Yukon New Building Canada Fund Planning for  
2015-2020

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## Introduction – New Building Canada Fund and the Provincial-Territorial Infrastructure Component

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The announcement of Canada's *Economic Action Plan 2013* included the New Building Canada Fund (NBCF), which provides for up to \$14 billion in federal funding for Provincial/Territorial infrastructure investment over the next ten years. The NBCF is divided into two components: the \$4 billion National Infrastructure Component, which is an application-driven nationally available funding program and the \$10 billion Provincial-Territorial Infrastructure Component (PTIC), which provides set allocations for each Province and Territory.

Yukon's allocation from PTIC is \$256,284,172 in federal funding over the next ten years, for up to 75% of eligible project costs. The PTIC is split into two funds: 90% of PTIC will be administered under the National and Regional Projects fund, aimed at projects of national or regional significance, and the remaining 10% through the Small Communities Fund, aimed at communities with populations of less than 100,000.

NBCF - PTIC Breakdown for Yukon 2014-2024

	Canada Share (75%)	Yukon Share (25%)	Total
National Regional Projects Fund (NRP) (90% of PTIC)	\$230,925,755	\$76,975,252	\$307,901,007
Small Communities Fund (SCF) (10% of PTIC)	\$25,658,417	\$8,552,806	\$34,211,223
Total	\$256,584,172	\$85,528,058	\$342,112,230

The NBCF will help Yukon continue the investments made under BCF 2008 toward modernizing its infrastructure to improve the quality of lives for all Yukoners.

## Yukon Infrastructure Plan

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**Objective: The objective of the Yukon Infrastructure Plan (YIP) will be to identify potential projects within the eligible categories to inform capital planning, conceptual and detailed design development and project selection.**

As part of the implementation of NBCF, in 2015 Yukon developed a five-year Yukon Infrastructure Plan (YIP) to identify potential projects and develop strategies to address competing pressures in a predictable and manageable way. The YIP is aimed at identifying potential projects to investigate in the first five years of the NBCF. As the NBCF will be implemented over ten years, long-term planning will be important in effectively managing the funding to address infrastructure priorities throughout the territory, both within communities and for broad-use public infrastructure such as highways and bridges.

It should be noted that the YIP will be a tool for use in capital planning, not a comprehensive listing of projects that will be carried out under NBCF over a five-year period. While some projects may be brought to various levels of planning and design development, the inclusion of a project in the YIP does not guarantee its implementation. Similarly, projects not on this list may emerge and need to be undertaken under the NBCF.

The participation of municipalities, First Nations and other Yukon Government Departments in identifying their current infrastructure priorities and gaps is valuable in developing the new Yukon Infrastructure Plan to help make targeted investments under NBCF.

**Prioritization: The primary goal of Yukon in the implementation of the PTIC component of the New BCF will be to address outstanding regulatory requirements and the “core infrastructure” i.e. water, wastewater, roads, solid waste. Projects that improve life-cycle costs and operational costs will also be prioritized.**

The three main factors in considering the priority of a project will be:

- 1) Regulatory – Does the project address an existing outstanding regulatory requirement?
- 2) Core Infrastructure – Does the project provide core municipal-type infrastructure?
- 3) Life-cycle costing – will the project maintain or reduce long-term operational costs for the community?

## Consultations

### **Goals of Consultation:**

- 1) **To gather information to develop a five-year Yukon Infrastructure Plan based on consultation with municipalities, First Nations, Local Advisory Councils and other affected Yukon Government Departments to identify infrastructure priorities over a five year period within the Eligible Categories of the NBCF.**
- 2) **To inform stakeholders including municipal governments, First Nations and Local Advisory Councils about the parameters of the NBCF and how the fund will be delivered in Yukon over the next ten years.**

Territory-wide consultations were conducted by Community Services during February and March, 2015. The following is a summary of the consultation meetings:

<b>Participant</b>	<b>Date</b>
Vuntut Gwitchin First Nation	February 5, 2015
Mount Lorne Local Advisory Council	February 10, 2015
Town of Faro	February 16, 2015
Kwanlin Dun First Nation	February 17, 2015
City of Whitehorse	February 18, 2015
South Klondike Local Advisory Council (Carcross)	February 19, 2015
Village of Mayo	February 23, 2015
First Nation of Na-Cho Nyak Dun	February 23, 2015
Selkirk First Nation	February 23, 2015
City of Dawson	February 24, 2015
Little Salmon Carmacks First Nation & Village of Carmacks	February 25, 2015
Carcross/Tagish First Nation	February 26, 2015
Teslin Tlingit Council & Village of Teslin	February 27, 2015
Tagish Local Advisory Council	March 4, 2015
Village of Haines Junction	March 11, 2015
Champagne & Aishihik First Nations	March 11, 2015
Kluane First Nation	March 11, 2015
Champagne & Aishihik First Nations	March 11, 2015
Town of Watson Lake	March 12, 2015

Meetings took place in all eight municipalities and with ten First Nations (with three declining to participate and one providing written feedback). Four of the five Local Advisory Councils also participated (one of these provided written feedback).

Other Yukon Government Departments and Corporations also provided feedback for the Plan, including Highways & Public Works, Environment, Economic Development, Energy Mines & Resources, and Yukon Development Corporation.

## Bundling

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When Business Cases for projects are submitted to Canada for approval, groups of projects may be bundled where the projects are for a similar type of infrastructure, at a similar state of readiness and have the same recipient. Yukon may pursue groups of projects as bundles as it offers the advantages of: a) allowing flexibility in budget reallocations between bundle components, allowing the overall bundle to be managed holistically; and b) ensuring that physical project implementation is sequenced properly to ensure upgrades are done in a logical, efficient manner.

# Yukon Infrastructure Plan

## 1. Projects by Community

The following tables list projects by community that Yukon would like to move forward in the first five years of the New Building Canada Funds.

Community/ Proponent	Project	Category
<b>Burwash Landing</b>		
KFN	Completion of Road in Copper Joe Subdivision	Roads
KFN	New Pumphouse	Water
KFN	Photo-voltaic (solar) Green Energy Project	Green Energy
KFN	Wood chip boiler expansion	Green Energy
<b>Carmacks</b>		
Carmacks	Investigate Water Treatment Facility for Trucked Fill	Water
Carmacks - LSCFN	Street lighting throughout community	Roads
LSCFN	New wastewater truck bay	Wastewater
LSCFN	Road Upgrades – LSCFN Area	Roads
LSCFN	Sewer line replacement, manholes	Wastewater
YG Community Operations - Carmacks - LSCFN	Septic Pit Reclamation and Eduction Station at Plant	Wastewater
<b>Dawson</b>		
Dawson	Pumphouse Upgrade/ Replacement	Water
Dawson	Reservoir A Upgrade/ Replacement	Water
YG Community Operations - Dawson	Sludge Disposal Solution & Pit Reclamation - Klondike Valley	Wastewater

<b>Community/ Proponent</b>	<b>Project</b>	<b>Category</b>
<b>Destruction Bay</b>		
<b>Destruction Bay</b>	<b>Community Centre Upgrades</b>	Green Energy
<b>Destruction Bay</b>	<b>Road Upgrades</b>	Roads
<b>Faro</b>		
<b>Faro</b>	<b>Local Roads</b>	Roads
<b>Faro</b>	<b>Sewer main replacement/ upgrades on lower bench</b>	Roads
<b>Faro</b>	<b>Wastewater Lagoon upgrades</b>	Wastewater
<b>Faro</b>	<b>Water lines on upper bench</b>	Water
<b>Faro</b>	<b>Water Pumphouse #1, #2 &amp; #4 Upgrades</b>	Water
<b>Faro</b>	<b>Water Reservoir Replacement</b>	Roads
<b>Haines Junction</b>		
<b>CAFN &amp; Haines Junction</b>	<b>Water/ Wastewater &amp; Road Upgrades</b>	Water/ Wastewater/ Roads
<b>CAFN - Haines Junction</b>	<b>Energy upgrades – Main Admin Building</b>	Green Energy
<b>Haines Junction</b>	<b>Road Upgrades</b>	Roads
<b>Haines Junction</b>	<b>Sewage Force Main and Lift Station Upgrades</b>	Wastewater
<b>Haines Junction</b>	<b>Sewage Treatment and Lagoon Upgrades</b>	Wastewater
<b>Haines Junction</b>	<b>Water/Sewer Main Replacement on Alsek &amp; Rainbow Roads</b>	Water/ Wastewater/ Roads
<b>Haines Junction</b>	<b>Wellhead protection</b>	Water



<b>Community/ Proponent</b>	<b>Project</b>	<b>Category</b>
<b>Mayo</b>		
<b>Mayo</b>	<b>Reservoir Upgrades &amp; New Tank</b>	Water
<b>Mayo</b>	<b>Water, Sewer, Road Upgrades</b>	Water/ Wastewater/ Roads
<b>Mt Lorne</b>		
<b>Mt Lorne</b>	<b>Investigate additional capacity for local water supply/treatment</b>	Water
<b>Mt Lorne</b>	<b>Photo-voltaic (solar) Green Energy Project</b>	Green Energy
<b>Old Crow</b>		
<b>YG - Community Operations</b>	<b>Old Crow Sewage Lagoon upgrades</b>	Wastewater
<b>VGFN</b>	<b>Fuel Tank Farm Ph 2 (Ph 1 by VGFN)</b>	Other
<b>VGFN</b>	<b>Solar Panels at Gasifier</b>	Green Energy
<b>Pelly Crossing</b>		
<b>SFN</b>	<b>Energy Upgrades - Various Buildings</b>	Green Energy
<b>Teslin</b>		
<b>Teslin</b>	<b>Municipal Centre Green Energy Upgrades</b>	Green Energy
<b>Teslin</b>	<b>Solar Initiatives - Various Public Buildings</b>	Green Energy
<b>Teslin Tlingit Council - Teslin</b>	<b>Drinking water upgrades and retrofits to TTC buildings</b>	Green Energy
<b>Teslin Tlingit Council - Teslin</b>	<b>Green Energy Upgrades - Main Admin Building</b>	Green Energy
<b>Watson Lake</b>		
<b>Watson Lake</b>	<b>Force main manhole replacement</b>	Wastewater
<b>Watson Lake</b>	<b>Roads and Drainage Upgrades</b>	Roads

<b>Community/ Proponent</b>	<b>Project</b>	<b>Category</b>
<b>Watson Lake (continued)</b>		
Watson Lake	Valve Replacements on Water Lines	Water
Watson Lake	Wastewater Lagoon and Sludge Drying Beds	Wastewater
Watson Lake	Wastewater/ Lift station upgrades	Wastewater
Watson Lake	Water Reservoir Improvements	Water
<b>Whitehorse</b>		
KDFN	Green Energy Retrofits	Green Energy
KDFN	Photo-voltaic (solar) Green Energy Project	Green Energy
Whitehorse	4 <sup>th</sup> Ave & Baxter Storm Sewer Improvements	Wastewater
Whitehorse	Downtown South (Rogers St to Robert Service) Infrastructure Upgrades	Water/ Wastewater/ Roads
Whitehorse	Downtown Water, Sewer, Road Upgrades (Ph 1)	Water/ Wastewater/ Roads
Whitehorse	Hillcrest Water, Sewer, Road Upgrades	Water/ Wastewater/ Roads
Whitehorse	Marwell East Ph 2 - Water/ Wastewater/Road Upgrades	Water/ Wastewater/ Roads
Whitehorse	McDonald Road Infrastructure	Water/ Wastewater/ Roads
Whitehorse	McLean Lake Quarry Connector Road	Roads
Whitehorse	Miscellaneous Downtown Water Infrastructure Upgrades	Water
Whitehorse	Miscellaneous Water Main Replacement – Galena	Water
Whitehorse	Permanent Crosswalk Markings	Roads

Community/ Proponent	Project	Category
<b>Whitehorse (continued)</b>		
Whitehorse	Permanent Line Markings on Arterial Roadways	Roads
Whitehorse	Range Road Phase 2	Roads
Whitehorse	Upgrades to Storm Water Drainage Infrastructure <del>AND</del> and Protection of Selkirk Aquifer	Water
Whitehorse	Waste Heat Recovery from Ice Plant	Green Energy
Whitehorse	Industrial Road and Two Mile Hill, intersection improvements	Roads
YG Community Operations - Whitehorse	Territorial Solid Waste Management and Diversion	Solid Waste
<b>Yukon Government - Various Areas/ Communities</b>		
YG Community Operations	Solid Waste Improvements (Dawson, Faro, Haines Junction, Watson Lake, unincorporated communities)	Solid Waste
YG Dept. of Highways & Public Works - Transportation	Traffic Calming, Road Lighting and Intersections Assessments – Various Communities (Carcross, Tagish, Teslin)	Roads
YG Dept. of Highways & Public Works - Transportation	Bridge bundles	Roads
YG Dept. of Highways & Public Works - Transportation	Nares Bridge	Roads
YG Dept. of Highways & Public Works - Transportation	Nisutlin Bridge	Roads
YG Dept. of Highways & Public Works - Transportation	Whitehorse Corridor	Roads

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<http://www.infrastructure.gov.yk.ca/news.html>

<http://www.infrastructure.gc.ca/plan/nrp-pnr-prog-eng.php>