

Canada Yukon Administrative Agreement on the Federal Gas Tax Fund 2014-2024

# YUKON GAS TAX FUND OUTCOMES REPORT

to March 31, 2017



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Printed March 2018

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## 1.0 INTRODUCTION

On May 26, 2005, the Government of Canada and Government of Yukon signed the *Canada-Yukon Agreement on the Transfer of Federal Gas Tax Revenues under the New Deal for Cities and Communities 2005–2015*. Working together with the Association of Yukon Communities (AYC) and Yukon First Nations, the parties committed to investing the territory's \$37.5 million share of federal gas tax revenues directly into Yukon communities.

Canada agreed to extend the Gas Tax Fund (GTF) to 2015, resulting in an additional \$60 million (totaling \$97.5 million) in funding for environmentally sustainable infrastructure in Yukon communities. As agreed to by all parties, Yukon's Gas Tax funds are divided among municipalities (68%), First Nations (25%), and the Yukon government on behalf of Unincorporated Communities (7%).

Canada and Yukon signed *The Canada /Yukon Gas Tax Administrative Agreement 2014–2024* on July 24, 2014. The new agreement requires that the Government of Yukon provide an Outcomes Report to the Government of Canada by March 31, 2018. The report is based on 93 completed GTF projects between 2014 and 2017 totalling \$32.472 M. The increase in project applications is a clear indicator of the ongoing need and benefit of reliable long term funding for infrastructure needs in Yukon. This trend is continuing as – since April 1, 2017 – 47 projects have been approved indicating that the next report will most likely report on significantly more projects.

### 1.1 Gas Tax Funding Categories

The Gas Tax Fund provides a stimulus for territory-wide sustainable community planning as well as stable, reliable funding for a wide range of infrastructure and capacity building projects that meet community-specific needs. Communities may access the GTF to build community infrastructure that achieves the goals of a clean environment, productivity and economic growth as well as strong cities and communities.

There are 18 eligible project categories under the GTF including:

- **Local Roads, Bridges and Active transportation infrastructure**  
(e.g., bike lanes)
- Highways
- Short-sea Shipping
- Short-line Rail
- Regional Airports
- **Public transit**
- Broadband Connectivity
- **Drinking Water**
- **Wastewater Management**
- **Solid Waste Management**
- **Community Energy Systems**
- Brownfield Redevelopment
- Sport Infrastructure
- **Recreation Infrastructure**
- Cultural Infrastructure
- Tourism Infrastructure
- **Disaster Mitigation**
- **Capacity building**

Yukon recipients were approved for projects under 9 of the 18 identified categories. (The categories under which Yukon projects were approved are highlighted above.)

Project distribution is interesting when compared over time. Based on the figures from the Outcomes Report of 2013 the drinking water, capacity building, community energy systems, and wastewater projects constituted 74% of the applications approved. Between 2014 – 2017 this percentage of total projects is unchanged at 74%. However, there was a dramatic shift in the distribution within this group, for example, Community Energy Systems made up 30% of the total number of projects (2014 – 2017) compared to 17% in 2013. The increased popularity of projects that increase energy efficiency and reduce fuel consumption are of primary importance to recipients in Yukon. Clearly demonstrating the desire to reduce expenditures and the production of greenhouse gas emissions (GHG's).

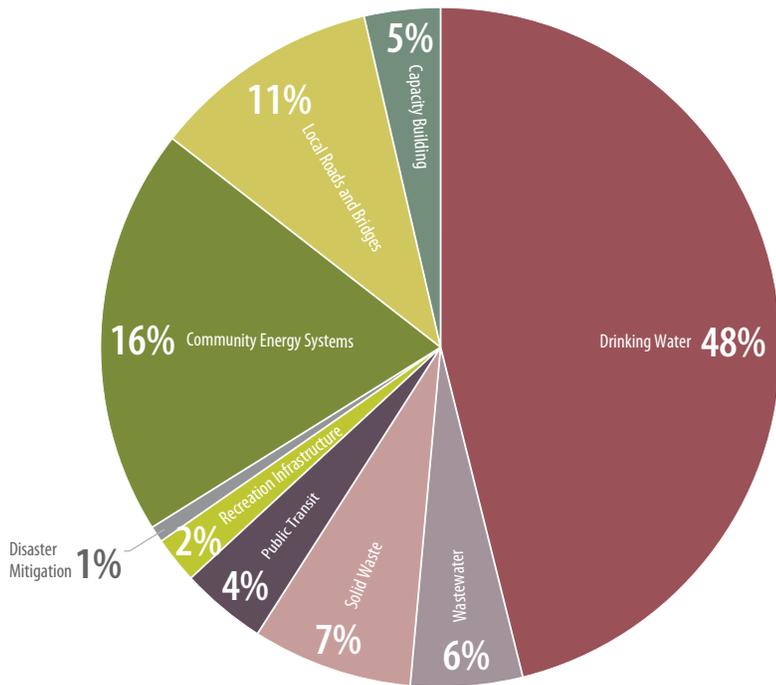
Projects applied for in the Capacity Building category were most notably for Integrated Community Sustainability Plans. These plans are viewed as stepping stones to long term capital planning and asset management systems in the communities.

The emphasis on core infrastructure and capacity building go hand-in-hand as capacity building includes long term planning and management of assets and funding to improve basic infrastructure in Yukon communities.

The approximate distribution of Yukon Gas Tax Fund projects approved to date by value of projects in each funding category is shown in Figure 1. Figure 2 shows the percentage of projects in each funding category. Both charts relate to projects in years 2014 – 2017.

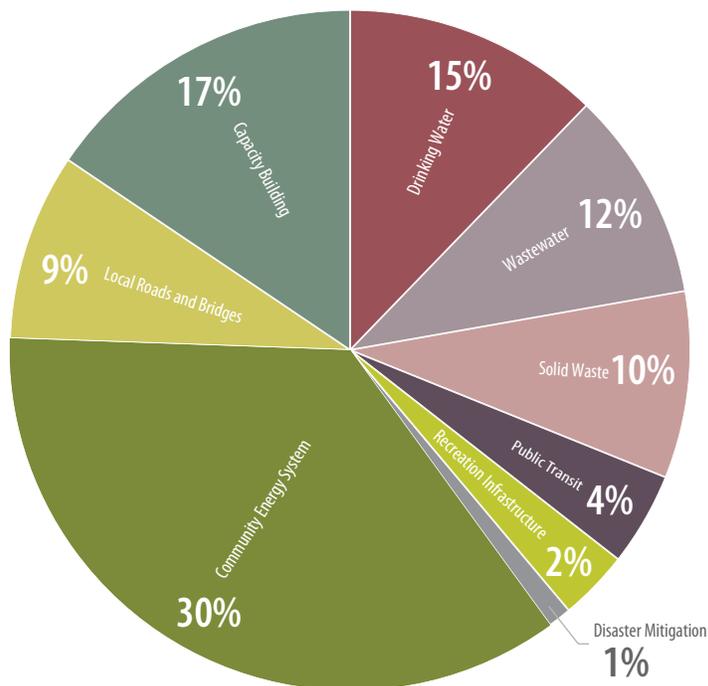
Figures on the value of the projects (Figure 1) indicate that the larger infrastructure projects still demand the most financial support from the GTF. Drinking water projects accounted for 48% of the total value of all projects completed in 2014 – 2017 but represent only 15% of the total number of projects. This is a clear indication of the need for GTF to support infrastructure of this nature as the costs exceed the capacity of Yukon communities.

**FIGURE 1 – DISTRIBUTION OF PROJECTS 2014-2017 BY VALUE OF TOTAL PROJECTS**



NUMBER OF PROJECTS		
<b>Productivity and Economic Growth</b>		
	Local Roads and Bridges	8
	Public Transit	4
<b>Clean Environment</b>		
	Drinking Water	14
	Wastewater	11
	Solid Waste	9
	Community Energy Systems	28
<b>Strong Cities and Communities</b>		
	Recreation Infrastructure	2
	Disaster Mitigation	1
	Capacity Building	16

**FIGURE 2 – PERCENTAGE DISTRIBUTION OF PROJECTS BY CATEGORY 2014-2017**



## 1.2 Integrated Community Sustainability Plans

Integrated Community Sustainability Plans (ICSP) have become an essential step in the planning for the utilization of Gas Tax Funds in the upgrade or replacement of municipal infrastructure.

All communities completed an Integrated Community Sustainability Plan. Several have progressed to renewing the initial plan or are working on joint community plans with other neighboring recipients. This is a very positive indicator of enhanced community relationships and increased long term planning. The Village of Teslin and the Teslin Tlingit Council recently finalized a joint plan which is a feature in the case study reviews.

## 1.3 Gas Tax Fund Participation

All Gas Tax recipients, eight municipalities and fourteen First Nations Governments as well as Unincorporated Yukon, have accessed their Gas Tax Funds. At the time of report preparation, 47 additional projects have been approved since April 1, 2017. To date, under the GTF program, there are 285 projects either completed or underway in Yukon.

## 1.4 Asset Management Progress Report – Summary

All municipalities and First Nations in Yukon are being encouraged to adopt an Asset Management approach to essential infrastructure investments. As of December 15, 2017 progress reports were received from 21 of 22 recipients.

**“Asset Management supports integrated, life cycle approaches to effective stewardship of infrastructure assets in order to maximize benefits and manage risk. The approach within Yukon will build upon the Integrated Community Sustainability Plans, in a phased implementation process, addressing the following areas:**

- infrastructure and asset inventories
- life cycle and condition assessments
- capital investment planning; and,
- cost of replacement analysis”

*~ Gas Tax Administrative Agreement (2014-2024)*

As noted in Table 1 the 21 GTF recipients in Yukon are at various stages of Asset Management preparation. Some are well advanced and have implemented long term budgeting and asset management policies. Others are just at the beginning of this effort. In many cases the progress is hindered by resource capacity issues in the staff area not necessarily a lack of funds. The remoteness of some and small population base increases the difficulty in making progress as a lot of time and effort goes into the day to day functions at the expense of long term planning.

**TABLE 1: SUMMARY OF ASSET MANAGEMENT PROGRESS****December 2017**

<b>Community</b>	<b>Asset Inventory %</b>	<b>Life Cycle Analysis %</b>	<b>Capital Planning</b>	<b>Replacement Cost Analysis</b>
City of Whitehorse	100%	90%	4 year with annual review	100%
City of Dawson	50%	50%	5 year with annual review	Underway
Village of Carmacks	100%	0%	Annual	Underway
Town of Faro	95%	90%	Annual / 50% of Ten Year	90%
Village of Haines Junction	100%	100%	5 Years	100%
Village of Mayo	95%	95%	10 year with annual review	100% under review
Village of Teslin	100%	100%	10 year with annual review	100% under review
Town of Watson Lake	98%	98%	5 year with annual review	Not started
Champagne / Aishihik First Nation	80%	Underway	Annual	Not Started
Carcross / Tagish First Nation	100%	100%	3 year with annual review	100%
Kluane First Nation	50%	Started	Annual	100%
Kwanlin Dün First Nation	100% of housing	100% of housing	Annual	Not Started
Little Salmon Carmacks First Nation	100%	100%	Annual working toward 10 year	Under review
First Nation of Nacho Nyak Dun	60%	Underway	Annual	Not Started
Ross River Dena Council	100%	100% of housing	5 year capital Annual review	Underway
Selkirk First Nation	70%	80%	Annual working toward 10 year	Underway
Teslin Tlingit Council	100%	100%	10 year with annual review	100%
Ta'an Kwach'an Council	50%	75%	5 year	Underway
Tr'ondek Hwech'in First Nation	100%	50% housing at 10%	Annual	Underway
Vuntut Gwitchin Government	75%	50%	Annual ten year under development	Underway
White River First Nation	10%	Not Started	Annual 10 year Not Started	Not Started

## 1.5 Asset Management in Yukon

The three pillars in our approach to Asset Management in Yukon include – Asset Management Conference, Funding Agreements and Community of Practice.

Six successful Community of Practice meetings have been held in Yukon, in which all levels of local government gather and share best practices and progress reports on Asset Management. Participation is important as the workshop presents different topics and presentations from experts in the Asset Management field. The Asset Management program in the Yukon has been extremely valuable and has gained national recognition for the 'Community of Practice' and its unique and innovative approach to implementing successful asset management in Yukon communities.

Our goal was to enable a culture of asset Management in Yukon and our next steps are to develop technical tools for our communities to use to advance their Asset Management practice, as well as potentially develop a common framework for Yukon.

All Municipalities and First Nation governments were eligible to apply for up to \$40,000 for asset management projects. Project funding is made available through the Northern Strategy Trust Fund. To date, out of 22 potential recipients, 10 organizations have utilized the full \$40,000. The project deadline was March 31, 2018. Funds not utilized will be rolled out in a newly designed funding program.

Yukon was invited to join workshops hosted by the Federation of Canadian Municipalities to participate in the national conversation on Asset Management. These workshops are of great value as they support collaboration between regional communities of practice and are a necessary step in the creation of a sustainable infrastructure framework in Canada's Municipal and First Nations sector.

Community Affairs Branch was also awarded the Premier's Award of Excellence and Innovation in May 2017, for the work the Branch has undertaken with Asset Management in Yukon.

The latest workshop was held in February 2018 with representation from most recipients.

Most recipients agree that the workshop approach is an important event that brings everyone together to discuss progress that is being made towards asset management.

## 2.0 GAS TAX FUND PROJECTS – OUTPUTS AND OUTCOMES

GTF Recipients have engaged in a diverse range of projects with respect to eligible Gas Tax funding criteria. Projects were approved within 9 of the 18 eligible categories. The outcomes of some projects can be easily quantified, whereas the outcomes of others are more difficult to express in numerical terms. Regardless, the list of projects in Appendix (A) succeeds in meeting the GTF National Program Objectives of Productivity and Economic Growth, Clean Environment and Strong Cities and Communities.

The awareness of the value of long term planning is clearly evident from the number of projects undertaken in the area of Integrated Community Sustainability Plans.

Recipients understand that energy conservation has significant economic benefits. The strong emphasis on Community Energy projects is clear as 30% of the total number of projects fell within this category (2014 – 2017) compared to only 14% in 2013.

It is also important to note that oil burning forced air furnaces heat many Yukon buildings; by improving the building envelope recipients are also reducing greenhouse gas emissions.

Please refer to Appendix (A) for an overview of all completed Gas Tax projects, between 2014 – 2017, under the GTF in Yukon and their associated outputs and outcomes.

## 3.0 GAS TAX FUND PROJECT SUCCESS STORIES

Between April, 2014 and March 31, 2017 a total of 91 Gas Tax projects were completed with support from the GTF. Total GTF expenditures to complete these projects is \$32,071,433. The following section highlights examples of how Gas Tax-funded projects are helping Yukon recipient communities undertake long term planning, through renewed Integrated Community Sustainability Plans, reduce their environmental footprints and achieve the GTF goals of a clean environment, productivity and economic growth and strong cities and communities.

### 3.1 Water – City of Whitehorse

#### PROJECT 2010-015 RIVERDALE SOUTH WELL EXPANSION

This project involved installing a Well 4N Bypass by removing an existing supply main and replacing it with a motorized isolation valve. This allows well water to be pumped, without the need for booster pumps, through the new Selkirk Pump house directly into the treated water distribution system and the Riverdale reservoir.

The second aspect of this project was Well 10. This is a production well that also provides backup to wells 8 and 9 and the watermain to the raw water supply system. This is a very high production well which improves raw water supply capabilities to the Selkirk Pump house to meet Whitehorse's current and future water system demands.

This project was approved for Gas Tax Funds in the amount of \$2.68 Million. It was completed for \$2.48 Million and has ensured that Whitehorse has an adequate and efficient supply of drinking water for its entire system and improved fire flow in Riverdale.

This project clearly meets the Gas Tax Fund goal of improved water supply security.



## 3.2 Capacity Building – Village of Teslin / Teslin Tlingit Council

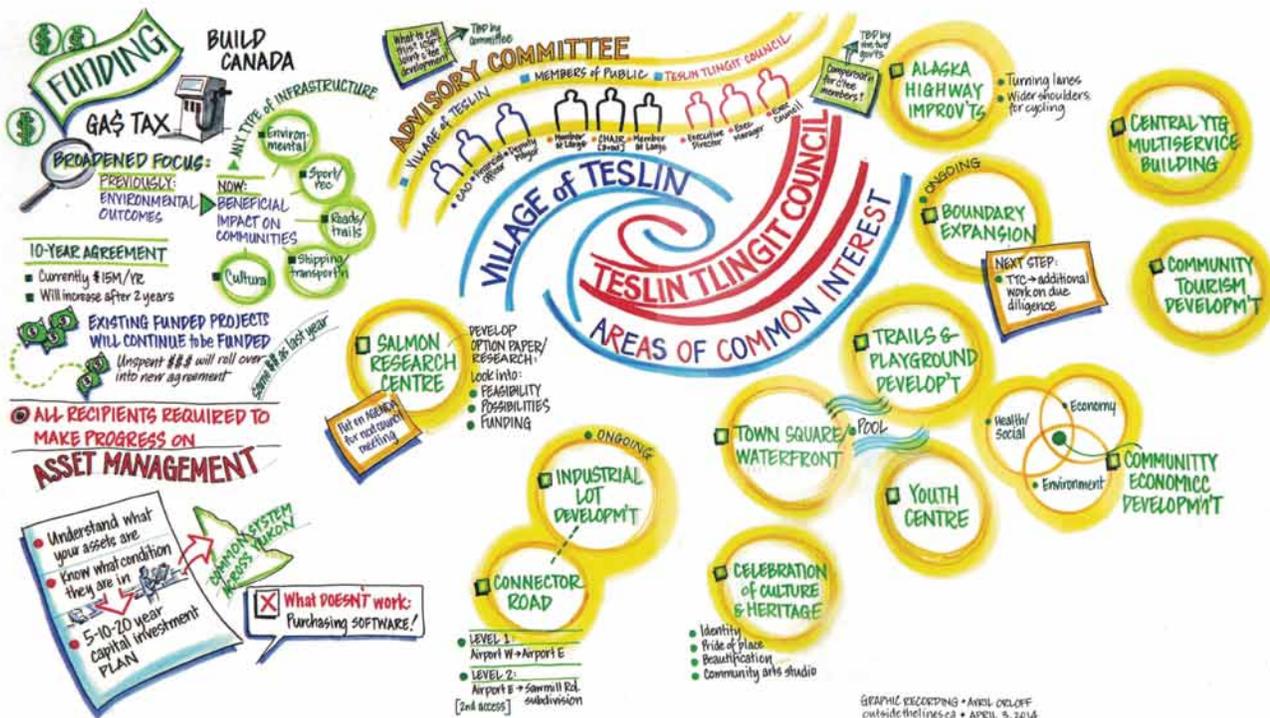
PROJECT 2014-001 / 2014-007

RENEWAL JOINT INTEGRATED COMMUNITY SUSTAINABILITY PLAN, 2015 - 2025

The Village of Teslin (VOT) and Teslin Tlingit Council (TTC) governments worked together in 2007 to create the first joint Integrated Community Sustainability Plan (ICSP) in Yukon. The community vision, values, sustainability principles, goals and objectives established in 2007 were reviewed in 2015 and reaffirmed with minor changes during this planning process. The new title, Teslin Community Development Plan 2015 – 2025, reflects the broader more holistic approach taken towards common community goals.

The Community Development Plan 2015 -2025 identifies project priorities related to infrastructure, land use planning, economic diversification, recreation and community & cultural development. The plan covers a 10 year time frame and sets out a 10 year capital plan, which is evaluated each year, by the respective governments, during the annual budget planning cycle.

Teslin is a small community of about 450 people. A collaborative approach gives both governments a greater strategic advantage in achieving common community development goals in a cost effective and timely manner. Gas Tax Funds have made this collaborative approach possible. A more sustainable and environmentally friendly community will be the outcome.



### 3.3 Local Roads, Bridges & Active Transportation – Town of Faro

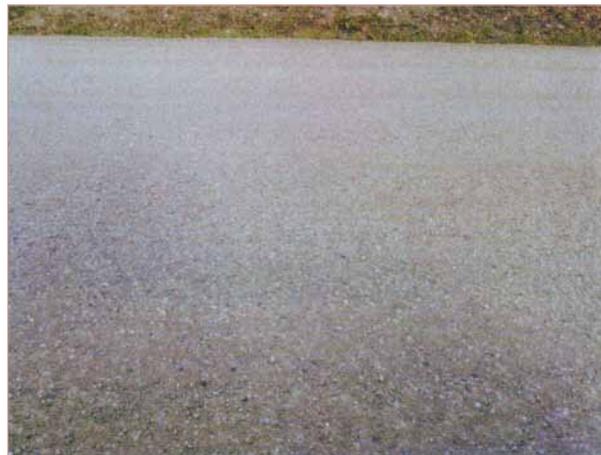
#### PROJECT 2016-01 CAMPBELL CAUSEWAY BST

Gas Tax Funds in the amount of \$34,296.05 were approved for this project in June of 2016. The project involved resurfacing 580 meters of Campbell Street, which forms the access road to the Town of Faro. As the main access point the serious state of deterioration was a negative introduction to the town for residents and visitors alike. Improving the access and entrance to the town improves the first impression and provides a greater degree of community pride.

The actual construction work was contracted to YG Highways & Public Works. YG Highway crews were resurfacing parts of the Robert Campbell Highway near Faro. This allowed for considerable cost saving in mobilization costs saving the Town of Faro money and allowing the project to come in under budget.



Before



After

### 3.4 Community Energy Systems – Kwanlin Dün First Nation

#### PROJECT 2016-017 ENERGY UPGRADES TO HOUSE OF LEARNING

Kwanlin Dün First Nation operates the House of Learning as a comprehensive learning and support center for its citizens. The facility houses staff and program space for clients. The existing heating system (oil burning) was old and proved inadequate for the needs of the building. Gas Tax Funds were approved in the amount of \$167,441 for the project. The project was completed under budget for \$146,738.51.

The project replaced the old system with a new energy efficient and more reliable system to ensure a safe and warm environment for the staff, citizens and visitors. The new boiler system and attendant HRV system has greatly improved the heating and air quality within the building making the environment more comfortable for all. The new system is more energy efficient resulting in lower operational costs (heating oil expenses) and reduced greenhouse gas emissions.



### 3.5 Capacity Building – Joint project with six First Nation’s

#### LAND REGISTRY SYSTEM

<b>PROJECT 2016-021</b>	<b>CARCROSS /TAGISH FIRST NATION</b>
<b>PROJECT 2013-016</b>	<b>CHAMPAGNE /AISHIHIK FIRST NATION</b>
<b>PROJECT 2013-016</b>	<b>KLUANE FIRST NATION</b>
<b>PROJECT 2013-016</b>	<b>FIRST NATION OF NACHO NYAK DUN</b>
<b>PROJECT 2013-016</b>	<b>TA'AN KWACH'AN COUNCIL</b>
<b>PROJECT 2013-016</b>	<b>TESLIN TLINGIT COUNCIL</b>

**(Coordinated through the Council of Yukon First Nations)**

This project developed a cloud based land registry system to be utilized by the participating First Nations as a recognized legal land registry system. The essential benefit of this system is that it will allow for the registration of interests in First Nation settlement lands without surrendering aboriginal title to the lands. The benefit is that settlement lands can be developed for various purposes, e.g. residential commercial or industrial, and leased to interested parties. As the registry is recognized as a security of the property for the purposes of development the proponent or lease holder will be able to qualify with lending institutions for mortgage funds to undertake the development. Without the registry, such an arrangement would not be recognized by the lending institutions thereby making land development very difficult.

Development and lease of settlement lands is a key component of the Umbrella Final Agreement with Yukon First Nations. First Nation Governments of Yukon are entitled to receive a portion of Federal Income Tax paid by persons living or doing business on their settlement lands. The development of the land registry thus paves the way for development of settlement lands but at the same time assists in the longer term financial independence of the First Nation Governments.

The project was made possible through Gas Tax Funds and was a shared or collaborative project involving six Yukon First Nations and was coordinated through the Council of Yukon First Nations (CYFN). The overall project cost was \$441,428.58 which was shared equally at \$73,571.43. The project has long term implications and will be a lasting example of capacity building that fosters sustainable communities.

## 4.0 LOOKING TO THE FUTURE

The current Gas Tax Agreement will end in 2024. In 2011 Canada passed legislation that ensures Gas Tax as a permanent fund. Canada indexed the fund, expanded the categories, and transitioned into the new Administrative Agreement.

This new Administrative Agreement is helping communities build and revitalize public infrastructure that will help promote economic growth, a clean environment and sustainable communities. It will build on the successes of the First Agreement, provide a wider range of possible projects and encourage asset management.

The trend towards more long term planning through Integrated Community Sustainability Plans is a strong indication of the commitment to long term growth and sound management and investment strategies by the recipient communities. Municipalities, Unincorporated Yukon and First Nations benefit directly from Canada's investment in infrastructure and they continue to plan and build communities with stable, predictable, long term funding.

### 4.1 Incrementality

**“Any GTF funding that the Yukon Government may receive from Canada is not intended to replace or displace existing sources of funding for tangible capital expenditures within Yukon. Accordingly, average annual tangible capital expenditures will not be less than a base amount defined as ten percent (10%) of a Municipal Government’s Comprehensive Municipal Grant, on average from 2001 to 2006 and ten percent (10%) of the annual capital expenditures for Unincorporated Communities from 2001 to 2006.”**

*~ Annex B #4 of the Gas Tax Administrative Agreement (2014-2024)*

It is clearly understood by all Gas Tax recipients that the GTF cannot be used to replace normal capital investments. All recipients are in compliance. Appendix B provides the details of capital expenditures over the GTF time frame.

Yukon ensures ongoing incremental spending occurs and reviews Municipalities financial statements each year (see the attached spreadsheet). No operation and maintenance costs are included in projects and we ensure that the project is an expenditure that Yukon Government would not normally have performed without Gas Tax funding.

Yukon does not reduce, eliminate or claw back any municipal infrastructure funding which is currently being made available to Ultimate recipients by Yukon.

Yukon continues to provide yearly Comprehensive Municipal Grants to Municipalities.

Information to determine average capital spending by Yukon First Nations is not publicly available and Yukon government has no authority to require this historic information from First Nation governments.

## 5.0 CONCLUSION

Yukon Government has been able to facilitate Gas Tax projects with local governments that yield positive results. Figure 2 on page 4, shows the distribution of projects over the reporting period. In comparison to the 2013 report the number of projects in the various categories has changed somewhat. The new emphasis is on long term planning and moving towards asset management, ensuring the gains that have been made through the investments of Gas Tax Funds are maintained to the fullest extent possible.

Similarly, the emphasis on Community Energy projects is clear as 31% of the total number of projects fell within this category (2014 – 2017) compared to only 14% in 2013. This indicates a desire to reduce costs and greenhouse gas emissions.

The Gas Tax Fund has become a predictable source of funding that encourages and facilitates communities in taking a long term view of community development. Capacity Building projects accounted for 18% of the projects. Many of these focused on Integrated Community Sustainability Plans which include community wide project listings and long term capital planning.

The table of outputs and outcomes for projects (Appendix A), outlines ninety-three completed projects that have contributed towards Productivity and Economic Growth, Clean Environment and Strong Cities and Communities. The infrastructure managed by all local governments within Yukon continues to benefit greatly from Canada's investments through the Gas Tax Fund.

## APPENDIX (A)

### GAS Tax Projects – Outputs and Outcomes Table

PRODUCTIVITY AND ECONOMIC GROWTH				
Community/ Applicant	Funds Received	Project Title	Outputs	Outcomes
<b>LOCAL ROADS, BRIDGES AND ACTIVE TRANSPORTATION</b>				
Town of Faro	\$32,662.90	Project # 2016-010  Campbell Causeway BST	580 meters of Campbell Street was resurfaced using BST.	Road improvements to the main access to town has improved the first impression of the community by visitors and supports the desire of residents. Project was enabled by YG Highways who were doing other resurfacing work in the area. This saved money in reduced mobilization costs.  Project completed: October 27, 2016
City of Whitehorse	\$978,054.45	Project # 2008-003  Sidewalk Upgrades	A total of 1,304 meters of concrete sidewalk was constructed in 10 locations plus an additional 820 meters of asphalt sidewalk at four locations.	These sidewalk construction projects contributed to safer connections for pedestrians and cyclists. Further reducing GHG's and promoting non- motorized transportation.  Project completed: March 21, 2014
City of Whitehorse	\$123,083.53	Project # 2013-017  Asphalt Path, Porter Creek	An asphalt connector path was constructed that is 340 meters long by 3 meters wide. This path connects Porter Creek to Takhini North.	Reduces GHG's by providing alternative transportation options and recreation opportunities.  Project completed: May 24, 2015
City of Whitehorse	\$1,300,000.00	Project # 2013-037  Reconstruction of Ogilvie Street, 4th to 8th Avenue	Project involved the replacement of old inefficient underground water and sewer mains, remediation of storm sewer infrastructure, sidewalks and bike lanes, complete resurfacing of the roadway.	Replacement of aging infrastructure reduces incidence of costly repair and loss of services to adjacent properties. Improves efficiency of operations by providing cleaner water and more reliable service. New sidewalks and bike lanes improved active transportation opportunities.  Project completed: February 18, 2015

City of Whitehorse	\$111,999.94	Project # 2013-042 Ogilvie / 4th Ave Sidewalk Upgrade	Installed new sidewalks on Ogilvie St from 3rd Ave to 4th Ave and along the northwest corner of 4th Ave at the traffic lights. The new developments increased the use of the sidewalks in the area.	Improved sidewalks results in safer movement of pedestrians and a rationalization of the on street parking.  Project completed: December 11, 2015
City of Whitehorse	\$100,000.00	Project # 2014-004 Airport / Hillcrest Asphalt Path	Constructed an asphalt path from the Hillcrest subdivision to the north end of the airport to connect existing trail network. Trail is 680 meters in length and 3 meters wide.	The additional length and connectivity of the trail has increased the active transportation use between the Hillcrest subdivision and Downtown. This has reduced the motor vehicle use and thus GHG's. It is an excellent example of community partnerships with the Community Association, City, Yukon Government and Community Development and Gas Tax funds.  Project completed: May 21, 2015
Kluane First Nation	\$511,086.05	Project # 2016-001 Copper Joe Road Phase 2	Built Phase 2 of the Copper Joe Road 1.5 Kms of a new road extension was build that will provide access to 25 new residential lots.	Project outcomes include the new access road but more importantly 25 new lots. The immediate impacts were employment opportunities for Kluane Citizens however the longer term attraction of new lots will attract more citizens to build homes and reside in the area. This investment in GTF in community infrastructure and economic growth.  Project completed: January 4, 2017
White River First Nation	\$288,650.54	Project # 2016-002 Lot 1036 Road construction	Constructed 400 meters of gravel road to access lot 1036.	By constructing this road WRFN will be able to develop six additional residential lots. The availability of these lots will allow for capacity building in the community and contribute to economic growth.  Project completed: February 27, 2017

Community/ Applicant	Funds Received	Project Title	Outputs	Outcomes
<b>PUBLIC TRANSIT</b>				
City of Whitehorse	\$518,278.15	Project # 2015-010  Transit Bus Purchase	Purchased a low floor kneeling bus to allow for greater public mobility. The new unit is one of the lightest in this category resulting in lower fuel consumption and reduced emissions over the life cycle. Unit is compliant with current emission regulations.	Purchase complies with Gas Tax Fund goals of reducing GHG's and increasing operational efficiencies and accessibility. The unit is an addition to the fleet in order to expand service to new neighborhoods.  Project completed: March 31, 2017
City of Whitehorse	\$518,092.37	Project # 2016-003  Transit Bus Purchase	Purchased a Nova LFS (low floor) transit bus which is EPA 2007 Emission Regulation compliant. The unit is an addition to the fleet and will provide additional transit service to a new subdivision.	This bus is more fuel efficient with less polluting emissions, resulting in cleaner air and reducing greenhouse gas emissions.  Project completed: January 31, 2017
Teslin Tlingit Council	\$205,000.00	Project # 2016-019  Passenger bus	Purchased a 28 passenger bus to assist in decreasing the number of vehicles making trips to various events around the Yukon. The bus has been an essential transportation mode for the Elders in this community especially for those who are no longer able to drive. This bus is wheelchair accessible and will accommodate persons with reduced mobility.	Reduced GHG's by eliminating the number of vehicles driving to events. 6 vehicles have been eliminated for travel to sporting events. Since the bus was purchased it has driven 100,000 km.  Project completed: June 30, 2017
White River First Nation	\$52,037.00	Project # 2016-013  Purchase a Passenger Van	Purchased a 9 passenger van for transportation of community members to events.	This project benefits citizens of WRFN especially providing access to elders who have difficulty getting rides to events and who may no longer drive. Utilizing one vehicle reduces trips and GHG's as a result.  Project completed: February 27, 2017

**NATIONAL OUTCOME:  
INVESTING IN COMMUNITY INFRASTRUCTURE / PRODUCTIVITY & ECONOMIC GROWTH**

CLEAN ENVIRONMENT				
Community/ Applicant	Funds Received	Project Title	Outputs	Outcomes
<b>DRINKING WATER</b>				
Dawson City	\$223,717.00	Project # 2013-031  Drinking Water Well Upgrade	Project was required by Yukon Health and Social Services to upgrade drinking water treatment and supply to comply with current regulations. Project was the first stage in a multi- year project. The stage provided the design, engineering requirements and tender documents for replacement/ upgrade of the existing city drinking water wells. A 20 year capital improvement plan for rehabilitation of the water supply, water treatment and water distribution was developed.	Safe, clean source of drinking water is an essential service for municipalities. Long term GTF makes the planning design and construction possible.  Project completed: July 31,2014
Village of Teslin	\$193,968.51	Project # 2016-011  Water Delivery Truck	Replaced an aging water delivery truck with a new 2017 2500 gallon truck. Drinking water is delivered to 175 residents and businesses in Teslin.	Purchase of the new water delivery truck allows the village to provide a more reliable drinking water delivery service to residents. GTF made this purchase possible as the cost of the truck was beyond the means of the Village.  Project completed: October 28, 2016
City of Whitehorse	\$3,179,767.93	Project # 2008-007  Porter Creek Reservoir Expansion	Project twinned the existing cell with a newly constructed 4000m cell to store and supply water at the Porter Creek reservoir.	Project resulted in increased treated water capacity and pumping capacity to meet demands of existing and future development in Porter Creek and Whistlebend  Project completed: March 2015
City of Whitehorse	\$7,755,506.49	Project # 2010-014  Selkirk Water Pump House Replacement	Project included building a new water pumping station, chlorination facility and decommissioning of the old station.	Construction of this pump house ensures Whitehorse will have reliable treatment and pumping facility for all of its drinking water with reduced operation costs, easier maintenance and real-time monitoring.  Project completed: March 31, 2016

City of Whitehorse	\$2,482,579.37	Project # 2010-015 Riverdale South Wells Expansion	2 new wells were installed to meet current and future drinking water demands.	This project ensures Whitehorse has an adequate and efficient drinking water supply for the entire City and improved fire flow provision for Riverdale.  Project completed: December 31, 2016
City of Whitehorse	\$25,191.18	Project # 2011-013 Water Meters	27 water meters were installed in residences as a one year pilot project to determine the amount of household water usage.	Project raised consumption awareness and reduces water usage. The project provided valuable information on residential consumption habits, technological considerations and the things that the City needs to consider before a City-wide roll-out of residential water metering could occur. Average consumption was found to be 192 liters/person/day. Canadian average is 251 liters/person/day. Provided insight into the implications for the City on water provision and billing.  Project completed: May 4, 2016
Town of Watson Lake	\$544,397.59	Project # 2012-001 Sewer & Water Replacement Lakeview Ave.	Project reconstructed water and sewer lines in Lakeview Ave. 335 meters of sewer line and 376 meters of water line were replaced.	The result is a more secure supply of potable water and reduce probability of sewer leaks. Reduced pumping time and hence less energy use and more efficient operations. A cleaner environment for the communities' citizens.  Project completed: June 9, 2015

Champagne-Aishihik	\$67,180.58	Project # 2012-012  New Water Truck Garage	A 40' x 60' energy efficient garage was constructed for storage of the water delivery truck. The new construction utilized advanced wall construction that improved insulation and minimized thermal bridging. Heating is supplied by 100% renewable energy (no fossil fuels are used). A wood-gasification boiler was installed along with a dual coil water tank.	Project relies on renewable energy and provides means to deliver heated water in the winter months. Storage allows for a longer life expectancy of the vehicle and a more reliable delivery service to clients. Reduces GHG's as a result of no fossil fuel consumption of heating. Provides a reliable drinking water delivery system to citizens of Champagne Aishihik First Nation.  Project completed: December 3, 2014
Kluane First Nation	\$28,398.73	Project # 2009-017  Well head Protection	Relocated a residence from 20 Old Allen St. to a lot in Copper Joe Subdivision. House needed relocation due to proximity to community well and deemed a risk to water quality. After relocation a new arctic entry was constructed on the home.	Outcomes included increased security for the community water supply. In addition the relocated home benefited from installation of an arctic entry which provided in home water delivery security.  Project completed: March 27, 2014
Kluane First Nation	\$12,376.00	Project # 2009-032  KFN Water Distribution Upgrade	Installed 530 feet of insulated pipe and purchased a submersible pump and 275 ft. of submersible cable to provide clean water that runs between the well and community buildings, including the Administration building Council Chambers and the Laundromat. Well improvements were also part of the project.	These improvements provide for a more secure water supply.  Project completed: February 10, 2014
Kwanlin Dün First Nation	\$50,618.00	Project # 2016-023  Water & Sewer Upgrade	49' of sewer pipe and ¾ recirculation pipe installed at KDFN duplex development.	New service lines will ensure proper service to this building over its life expectancy. Clean water and proper waste water disposal is ensured.  Project completed: March 31, 2017

Little Salmon Carmacks First Nation	\$331,408.00	Project # 2010-009  Water Truck Shed	Constructed a garage to house the water delivery truck.	The new storage building means the vehicle is stored indoors and is available for delivery in a reliable manner. The building meets all building code requirements. LSCFN is ensuring clean drinking water for its citizens.  Project completed: May 20, 2015
First Nation of Nacho Nyak Dun	\$350,000.00	Project # 2013-045  Water Truck storage facility	Constructed a building for the safe storage of the drinking water distribution truck using green construction methods.	Energy improvements contribute to reducing operational costs & GHG's. Provided safe and secure facility for the drinking water distribution truck and safe drinking water for the citizens of Nacho Nyak Dun.  Project completed: September 2, 2015
Vuntut Gwitchin Government	\$460,360.00	Project # 2012-024  Water Protection project	Purchased a Rock Crusher to enable local production of aggregate materials necessary for several environmental cleanup projects to enhance local water quality.	Project improves the level of community capacity while providing for a more economical source of aggregate material. Also provides for local training and employment for community members. Longer term benefits include the ability to produce aggregate materials for future residential, commercial and local road building and improvement.  Project completed: March 31, 2014

Community/ Applicant	Funds Received	Project Title	Outputs	Outcomes
<b>WASTEWATER</b>				
Village of Carmacks	\$33,946.77	Project # 2015-005  Upgrades to Water Treatment Plant	Purchased and installed a Variable speed blower to allow for variability and management of airflow in the Waste Water treatment process.	Installation of the variable speed blower resulted in a decrease in energy usage and better treatment of waste water.  Project completed: July 6, 2015
Village of Teslin	\$9,859.12	Project # 2010-013  Lagoon and Wetland Hydrological Assessment	An engineered assessment of the lagoon and wetlands was completed. Project was to evaluate the operation of the lagoon. Efficient operation and waste treatment is important to maintaining the Village water license and meet environmental standards. Report prepared recommended sludge removal and drying in a purpose built sludge drying trench at the Village of Teslin landfill.	The outcome from this project is a greater understanding of options available for the handling of sludge removed from the sewage treatment lagoons. The preferred option is the most economical and efficient for the Village of Teslin.  Project completed: December 30, 2014
Village of Teslin	\$11,331.75	Project # 2015-001  Sewage Lagoon Upgrades	Replaced gate valves in the lagoon between cells 3 and 4 as it was not functioning properly. This included discharging the draining of the cells to allow for removal of the old valve and installation of the new one. Two monitoring wells were installed to comply with water licensing.	Benefit to the community is that the lagoon system is now functioning as designed. Contributing to a cleaner environment as a result of better quality effluent.  Project completed: October 30, 2015
City of Whitehorse	\$797,510.08	Project # 2009-009  Lift Station Upgrades	Installed a pre-packaged lift station. Also included were a storm outfall and exfiltration pit, new sanitary sewer mains, manholes and valves to tie the new station into the existing gravity inlet mains and force main.	This station can now handle higher wastewater capacities. This includes safer and more efficient handling of sewage reducing chance of spillage or overflow. Meets national outcomes of investing in community infrastructure and a clean environment.  Project Completed: May 2, 2016

City of Whitehorse	\$229,095.79	Project # 2009-027  Sewage Lift Station Improvements	The project involved upgrades at 4 separate lift stations, improvements to wet well cleaning equipment at Lift Station 1 as well as pump upgrades. New generator shutters and venting equipment installed at Lift Station 3. A new pump was installed at the Tamarack Lift Station as well as panel improvements to control pumping operation. A control panel was also installed at Hyland Lift Station.	In total an overall energy saving of 5% is forecast and a total of 40 person hours / year and 6 fewer Vector Truck visits. Meets national outcomes of investing in community infrastructure and a clean environment.  Project completed: March 21, 2014
Carcross-Tagish	\$184,950.00	Project # 2016-021  Sewage Eduction Truck	Purchased a 12,000L sewage eduction truck and 500 vacumn pump.	Project provided a more reliable vehicle and better service to clients. CTFN provides sewage eduction services to 700 residents in 120 households / businesses utilizing sewage holding tanks. Service is provided to both CTFN citizens and non-CTFN citizens. GTF made this purchase possible and continued more reliable service to clients.  Project completed: March 1, 2017
Ross River Dena Council	\$238,000.00	Project # 2009-039  Sewage Truck Garage Expansion	Project was to add an addition to the existing garage along with renovations to provide storage for sewer and fuel trucks.	The addition to the garage and completing energy efficient renovations has reduced energy costs and GHG's. Project also reduced the risk of water contamination from sewage truck ensuring health and safety standards are met. Fuel cost reduction of \$2,096.21 was realized in 2010.  Project completed: January 12, 2015
Ta'an Kwach'an Council	\$18,800.00	Project # 2014-005  Septic System Lake Laberge	Installed a new septic system at Helen's Fish Camp at Lake Laberge.	By installing a new septic system Ta'an is ensuring wastewater is treated properly ensuring a clean environment for their citizens.  Project completed: April 28, 2016

Unincorporated Yukon	\$325,224.59	Project # 2013-024  Ross River Sewage Lagoon	Design and scope for construction of a new sewage facility in Ross River. This included a complete geotechnical report, YESAB decision document and water license approval.	A new sewer pit was designed with the provision of a 25 year water license.  Project completed: March 10, 2017
	\$72,639.27	Project # 2014-003  Engineering Assessments of Sewage Facilities	Engineered assessments of non-licensed sewage facilities in Beaver Creek, Carmacks and at KM 3.9 of the Dempster Highway were made.	Project provided information to be used in infrastructure development plans for future planning and licensing of sewage facilities in these communities.  Project completed: July 31, 2015
	\$22,613.14	Project # 2015-002  Carmacks Sludge Drying Beds	Design work for the construction of 2 sludge drying beds for treatment of sewer sludge from the sewer pit in Carmacks.	This design work led to a much larger wastewater project for Carmacks under the Clean Water Wastewater Fund.  Project completed: February 28, 2017

Community/ Applicant	Funds Received	Project Title	Outputs	Outcomes
<b>SOLID WASTE</b>				
Town of Faro	\$15,000	Project # 2013-021  Solid Waste Operating Plan	Project was to develop a solid waste management plan. This is required every 10 years under the Yukon Environment Act, Solid waste Regulations. This plan will allow Faro to make improvements to the landfill for better management and reduce solid waste. Four ground water monitoring wells were drilled in 2012.	A 10 year SWMP was developed that encourages careful planning for solid waste disposal, increases community awareness of good practices. Community meetings held as part of the process helped to increase awareness of waste diversion principles and practices as well as information on the landfill. The GTF allowed for the planning in this project and facilitates the necessary improvements identified.  Project completed: June 2014
Village of Teslin	\$7,700.00	Project # 2013-041  Solid Waste Management Plan	Project was to develop a solid waste management plan. This is required every 10 years under the Yukon Environment Act, Solid waste Regulations. This plan will allow Teslin to make improvements to the landfill for better management and reduce solid waste.	A 10 year SWMP was developed. Completion of this plan allows the Village to better manage and reduce the amount of solid waste requiring disposal. The plan provides a list of recommendations to improve the management practices and mitigate potential adverse impacts eg. On site drainage. Long term plans provide much needed direction for small municipalities. This project was made possible by the GTF reliability.  Project completed: November 21, 2014
Town of Watson Lake	\$40,610.00	Project # 2010-035  Waste Management Planning	Developed a plan to meet regulatory regime for the Watson Lake landfill.	Outcomes include a new bylaw dealing with garbage collection and recycling. This has assisted in increasing waste diversion and greenhouse gas reductions.  Project completed: May 14, 2015

Town of Watson Lake	\$746,527.00	Project # 2013-010  Waste Management Facility Upgrades	Project included the establishment of a recycling depot at the landfill, electronic weigh scales to weigh the tonnage of material going into the landfill and to provide for a system of charging for material deposited at the site	Decrease in recyclables going into the landfill. Project has raised community awareness of environmental issues around solid waste management. Has enabled increased recycling activity and provided a means of charging users for material deposited at the landfill. This provides a revenue stream to help cover the costs of present and future operations. GTF made this longer term approach possible.  Project completed: May 2015
City of Whitehorse	\$603,812.00	Project # 2013-033  Compost Facility Upgrade	Purchase three pieces of equipment that will increase the capacity to process organic waste into compost. Items include an Enviro Processor (vertical mixer) a wheeled loader to move and turn-over organics and a trommel screen to finish compost for marketing to the public.	City expects to reach 50% diversion by 2015. – an increased of 4000 +tonnes of increase organics 10 new clients with organics collection (6 multi-family residence and 4 offices/retail. Will see reduction in GHG's as result of increased organic diversion from the landfill.  Project completed: March 21, 2014
City of Whitehorse	\$251,681.30	Project # 2013-034  Improvements to Solid Waste Facility	Project is aimed at increasing the organic diversion from the landfill. Purchased 51 dumpster style bins (2 & 3 ltr.) For commercial organics collection. Pilot project included 57 participants delivering 10 to 12 tonnes of organic waste each month. Education program focuses on raising awareness of the importance of waste diversion.	Project enabled an increased diversion of organic waste by 10 to 12 tonnes per month or up to 144 tonnes per year. Whitehorse was recognized by the Federation of Canadian Municipalities with a Sustainable Communities Award. The Gas Tax fund as a predicable source of funding has allowed the long term development of the organics diversion program.  Project completed: April 30, 2015

Carcross-Tagish First Nation	\$322,420.19	Project # 2010-029  CTFN Solid Waste Upgrade	Project involved the purchase and installation of centralized waste collection containers throughout residential subdivisions owned by the Carcross-Tagish First Nation. Purchase of a collection vehicle to collect solid waste from the containers and move to local transfer station.	Project resulted in reduction of vehicle and staff time from 12 hours to 6 hours per week. Reducing fossil fuel consumption. Improved resident safety as noted in the elimination of trouble calls regarding animals in subdivisions. Streets and yards are visibly cleaner. Diversion of compostable and recyclables are in the planning phase.  Project completed: April 7, 2014
Champagne-Aishihik First Nation	\$27,500.00	Project # 2014-006  Animal Proof Garbage Bins	Purchased 100 Bear proof garbage bins for four CAFN residential neighbourhoods. This acquisition complements CAFN's new comprehensive recycling pick-up service.	Project improved solid waste handling and management through comprehensive recycling and diversion of household waste from the landfill. Greatly reduced incidents of animal encounters. Less waste going into the landfill results in cleaner air, water and reduced GHG's.  Project completed: March 3, 2016.
Unincorporated Yukon	\$445,380.00	Project # 2013-025  Community Landfill Construction	8 new landfill cells were constructed at waste management facilities in rural Yukon. Cells would accommodate disposal of construction demolition waste and extend landfill capacity. In addition one cell was constructed for the disposal of household garbage at Beaver Creek.	The landfill cell development will extend the life of these facilities for 5 to 10 years. The new cell at Beaver Creek resulted in reduced GHG emissions by not having to transport material to Whitehorse a distance of 457 km away.  Project completed: February 21, 2017

Community/ Applicant	Funds Received	Project Title	Outputs	Outcomes
<b>COMMUNITY ENERGY SYSTEMS</b>				
City of Whitehorse	\$65,351.05	Project # 2009-049  Heat Recovery at Canada Games Centre	Installed a waste heat recovery system using the ice making process at the Canada Games Centre. This resulted in a decrease in fuel costs of \$78,750/year.	Project contributed to GHG emissions reduction as a result of reduced fuel consumption.  Project completed: December 1, 2014
City of Whitehorse	\$258,970.00	Project # 2011-011  Energy Efficiency Design for Municipal Buildings	Project is for the design and pre-planning to Consolidate 8 old and inefficient municipal buildings into one energy efficient building.	One new building will result in a more efficient use of existing workforce and reduce GHG's  Project completed: July, 2015
Village Of Carmacks	\$87,250.00	Project # 2012-013  Solar Heating system for municipal pool	Purchased and installed a solar heating system for the Carmacks community pool. 56 4x8 solar panels were installed as well as insulation and a solar tank. A flat plate heat exchanger was also installed.	Project resulted in reduced use of fossil fuels as a heat source reducing GHG's and providing a cleaner environment for citizens.  Project completed: March 2015
Village of Carmacks	\$23,647.93	Project # 2011-011  Infrastructure upgrade to municipal staff housing	Project replaced roof and added insulation to meet current code requirements.	Gas Tax funds made the upgrades possible to a building that forms part of the Village infrastructure. Energy savings resulting from the additional insulations reduce GHG emissions through reduced use of fossil fuels.  Project completed: Sept 9,2015
Village of Haines Junction	\$225,566.72	Project # 2014-009  Public Works Building Retrofit	Insulation upgrade of the exterior walls and roof bringing the R value on walls from R20 to R40 and the roof from R40 to R80. Also included two new insulated overhead doors, five triple glazed windows and four man doors were replaced with insulated frames.	Improved energy efficiency in the building reduces operational costs and benefits the local taxpayers. GTF funds provided reliable and consistent funding allowing the community to take a long term approach to important projects. A cost reduction of \$8,603.74 in energy costs has been realized as a result of this project thus reducing GHG's.  Project completed: November 1, 2014

Village of Haines Junction	\$83,272.07	Project # 2015-009 Pump house #2 Retrofit	Upgraded insulation in the pump house roof to R80 and the walls to R30. Installed insulated metal doors.	Project improved the energy efficiency of the building, reduced operational costs, benefiting taxpayers. Local employment benefits to local contractors. GTF predictability was a major factor in the project's completion.  Project completed: March 9, 2016
Village of Teslin	\$89,056.80	Project # 2009-029 Rec Plex Roof Repairs Phase 2	High Density Urethane spray foam insulation was used to repair the roof, prevent leakage and improve energy efficiency.	Reduced damaging leakage and improve energy efficiency in the facility thereby reducing GHG's providing cleaner local environment and operational savings.  Project completed: March 7, 2014
Village of Teslin	\$376,050.07	Project # 2011-015 Recreation Center Heat Recovery Renovation	Low temperature heating pipes were installed in the floor which use the waste heat from the arena ice plant. Control systems were also upgraded to allow remote monitoring from the administration Building.	Project resulted in a 25% reduction in use of heating oil and associated savings. This reduced the amount of GHG's released from this facility and improved local air quality.  Project Completed: December 31, 2014
Champagne-Aishihik First Nation	\$68,467.28	Project # 2012-029 Energy Efficiency Upgrades of Community Housing Infrastructure	Purchased and installed energy efficient furnaces for 10 CAFN owned homes. Eight of the ten were combination oil / wood type and two were new high efficiency oil furnaces.	Project outcomes include providing residents with cleaner source of heating and less use of expensive fossil fuels. Increased cost savings result from the use of wood as primary fuel source. Result is reduced GHG's and cleaner air in the home and environment.  Project completed: June 24, 2014
Champagne-Aishihik First Nation	\$19,320.45	Project # 2014-011 Energy Efficiency Upgrades to Community Housing Infrastructure	Installed a 602kw photovoltaic solar electricity generating system in a newly completed CAFN residence in Takhini Subdivision. This system is grid-tied, feeding power back into the local electrical grid in times of excess production.	Project outcomes include reduced electrical grid consumption, reduce operating costs for the residence. This project is an example of micro-generated renewable energy and a net metering success story.  Project completed: March 31, 2016

Champagne-Aishihik First Nation	\$35,000.00	Project # 2016-009 Energy Improvements to Lot 13 Infrastructure	Project involved increasing insulation values, air sealing, replacing windows and installing and balancing a Heat Recovery System.	Project meets the GTF goal of increased energy efficiency. Indoor air quality was improved, Reduced energy consumption and GHG's  Project completed: March 23, 2017
Kluane First Nation	\$31,670.00	Project # 2009-018 KFN Boiler Installation	Installed two new oil fired high efficiency boilers in the Jacquot Building and upgraded central wood chip system.	Outcomes include reduced heating costs and reduced GHG's resulting in better local air quality. Reduced operational and maintenance expenses with a wood chip boiler.  Project completed: May 10, 2015
Kluane First Nation	\$48,000.00	Project # 2010-031 Improvements to KFN housing infrastructure	Construction of four arctic entry areas to accommodate new water supply tanks and system. Additions are insulated and heated to ensure the fiberglass tanks are not compromised by cold temperatures.	Outcomes include more secure storage for water system to the homes. Better quality drinking water is ensured.  Project completed: March 27, 2014
Kwanlin Dün First Nation	\$676,200.00	Project # 2013-007 Energy Efficient Retrofits to KDFN Infrastructure	9 homes were upgraded with new exterior envelopes, new windows and doors and weather-stripping as well as tests to insure improved energy efficiency. 11 HRV systems were also installed in 11 homes to ensure furnace efficiency.	This project made possible with GTF has saved the KDFN significant money through reduced heating and electrical bills. Employment generated by this project has benefited KDFN citizens and beautified the community. Reduced GHG's as a result of increased fuel efficiency has improved local environment.  Project completed: November 22, 2017
Kwanlin Dün First Nation	\$136,958.14	Project # 2013-036 Administration Building Roof and Insulation Upgrades	Insulation was replaced in the roofs and walls of two modular units and an HRV system was installed.	Project improved the overall insulation value and stopped the water damage occurring from leakage and subsequent mold development. Reduced energy costs and a reduction in GHG's.  Project completed: April 1, 2015

Kwanlin Dün First Nation	\$248,431.00	Project # 2015-024 Energy Upgrades to Community Housing	26 furnaces were replaced in KDFN housing units. The replacement furnaces are rated at 85% efficiency or higher.	Installation of the new furnaces resulted in reduced fuel consumption and reduced local GHG's. The new furnaces also provide a safer housing situation for the tenants.  Project completed: June 23, 2016
Kwanlin Dün First Nation	\$24,953.00	Project # 2016-012 Energy Upgrades to Community Services Building	An energy efficient Granby Conforto 100 oil fired furnace with a reillo burner, new ducting and an HRV system was installed in KDFN's Community Services building.	The project resulted in a more consistent heat supply to the Community Services building with less energy consumption (reducing GHG's) and cleaner air return. Overall a healthier working environment has been created.  Project completed: March 31, 2017
Kwanlin Dün First Nation	\$50,000.00	Project # 2016-014 LED Conversion at the Kwanlin Dün Cultural Centre	Conversion of conventional lighting to LED lights (40 fixtures were changed and 9 LED sport lights.	LED lights are much more energy efficient and have a longer life expectancy than conventional lights. Project was all about conservation of energy and reduction of cost. Improved public safety as a result of better external lighting. GTF made this energy conversion project possible.  Project completed: March 31, 2017
Kwanlin Dün First Nation	\$156,025.65	Project # 2016-017 House of Learning Heating System	Installed a new energy efficient boiler system and HRV system.	Benefits include a safe and warm environment for staff and visitors to the House of Learning. Project reduced GHG' through more efficient heating system. Project made possible through GTF.  Project completed: September 15, 2017
Kwanlin Dün First Nation	\$128,724.51	Project # 2016-022 Energy Upgrades to Potlatch House	Two new energy efficient oil fired boilers and an HRV system were installed in the Potlatch house.	The result of the project include a better more comfortable environment for user groups, especially for Elders. Greater fuel efficiency lead to reduced GHG's and less costly to cooperate and maintain. GTF made this project possible.  Project completed: March 31, 2017

Little Salmon-Carmacks First Nation	\$129,900.08	Project # 2010-032  Old Stock Housing Indoor Air Quality Pilot Project	Project was for the renovation of two homes. Renovations included removal of mold and contaminated material. Energy efficient technologies were used in insulation installation and new energy efficient doors and windows were installed. A 10 day training program was included for local workers and was held by Yukon College in partnership with LSCFN and Yukon Housing Corporation.	Outcomes include capacity building in the local community through the training program noted. Eight other homes were renovated as a result of this training. In all the energy efficient upgrades reduced fossil fuel consumption reducing GHG's and improving indoor air quality and living conditions for residents. Housing units life expectancy increased as a result.  Project completed: April 16, 2015
Little Salmon-Carmacks First Nation	\$262,760.54	Project # 2015-021  Energy Upgrades to Administration Building	This is Phase 1 of a two phase project. This included electrical upgrades and LED lighting, Installation of a new and improved mechanical system including heat pump technology. Replaced windows with newer energy efficient ones.	Project resulted in reduced energy consumption and a reduction in GHG's. Indoor air quality improvements and better working conditions for staff.  Project completed: August 11, , 2016
Little Salmon-Carmacks First Nation	\$986,815.20	Project # 2016-015  Phase 2 Energy Upgrades to Administration Building	This was Phase 2 of project 2015-021. This included a major retrofit of heating and air handling equipment and ductwork. New windows and doors, an HVAC system and sealing of the crawlspace were part of this phase of the project.	Outcomes include a much improved work and meeting space. Better internal air quality and more efficient heating system. This reduced GHG's contributing to a cleaner environment and reduced energy costs  Project completed: March 24, 2017
First Nation of Nacho Nyak Dun	\$491,666.67	Project # 2010-007  NND Central Services Building upgrade, Phase 2	Project included drilling a supply well, heat exchangers, warm water closed heating loop, circulation pumps, re-injection well and warm ware distribution loop to the core building development.	Outcomes as a result of the noted installations are non- fossil fuel heating source for the 19,000 sq. foot Government House building and the 1,500 sq. foot Central Services Building. Reducing GHG's and saving significant funds on energy consumption.  Project completed: May 2015

Ross River Dena Council	\$55,073.00	Project # 2015-006  Energy Efficiency Upgrades to Community Housing Infrastructure	Replaced furnaces with new energy efficient furnaces in 7 homes owned by RRDC.	Outcomes include reduced fuel costs to RRDC and RRDC as well as cleaner indoor air and reduced GHG's. Employment opportunities for local business improved community economic health.  Project completed: November 27, 2015
Ta'an Kwach'an Council	\$12,678.13	Project # 2013-015  Administration Building Energy Retrofits	20 new energy efficient triple pane windows were installed.	Window replacement resulted in reduced heating costs and reduced maintenance costs. Lower fuel consumption contributed to a reduction in GHG's.  Project completed: Sept 5, 2014
Ta'an Kwach'an Council	\$36,568.64	Project # 2013-018  Administration Building Energy Efficient Upgrade	New boiler system and valves installed.	Reduction of carbon footprint by 40% for heating of the Main Administration Building. This reduction in fuel consumption carries a significant reduction in cost of heating.  Project completed: October 15, 2015
Unincorporated Yukon	\$465,000.00	Project # 2013-022  Solar Heating - Pools	Project was to install solar heating panels at four rural Yukon community swimming pools. Solar heaters helped to offset high energy costs.	Gas Tax outcomes include reduced greenhouse gas emissions through reduced use of fossil fuels as a heat source. Resulted in cost saving on energy.  Project completed: December 31, 2016

**NATIONAL OUTCOME:  
INVESTING IN COMMUNITY INFRASTRUCTURE / PRODUCTIVITY & CLEAN ENVIRONMENT**

STRONG CITIES AND COMMUNITIES				
Community/ Applicant	Funds Received	Project Title	Outputs	Outcomes
<b>RECREATION INFRASTRUCTURE</b>				
Village of Carmacks	\$58,000.00	Project # 2015-023  Design Recreation Facility	Project was to facilitate a Pre-Design Report for the proposed arena. Report provided conceptual drawings and preliminary code analysis and facility requirements. A list of next steps was prepared along with a 3D rendering of the conceptual design.	Project met the goal of beginning a community planning effort towards development of a new arena. GTF was a reliable source of funding and contributed to making a stronger community through public input identifying community desires towards a new arena.  Project completed: February 28, 2017
Dawson City	\$530,000.00	Project # 2016-016  Pool Upgrades	Installed 2 new boilers. Upgraded the chemical storage system and installed interior partitions in the confined crawl space. Improved the ventilation and installed a second point of exit. This allowed for declassification of confined space area.	Completion of the pool mechanical upgrades in Dawson now provides a more reliable summer swim program as a result of less down time for repairs. GTF made this possible through provision of continuous and reliable funding.  Project completed: March 22, 2017
<b>DISASTER MITIGATION</b>				
Teslin Tlingit Council	\$ 246,500.00	Project # 2014-010  Fire Guard	Project involved the clearing of a 30 meter wide and 5.5 km long fire break from the Southern shore of Hermit Lake to the Alaska Highway, northwest of the Fox point subdivision in Teslin. A total of 21 people were employed on the project.	GTF Disaster Mitigation project included local employment and economic gain to the area residents. Provides fire protection to the Village of Teslin for an estimated 25 years.  Project completed: December 3, 2014

Community/ Applicant	Funds Received	Project Title	Outputs	Outcomes
<b>CAPACITY BUILDING</b>				
Village of Carmacks	\$48,910.84	Project # 2010-033  ICSP & OCP Review	A review and update of their 2009 ICSP and complete an Official community plan and zoning bylaws.	Carmacks developed a long term plan with their ICSP that will see the potential for economic growth in their community and that works towards meeting the demands of their citizens.  Project completed: December 2015
Village of Teslin	\$30,780.80	Project # 2014-001  ICSP Renewal	Renewal of ICSP (10 year Joint Community Plan) Plan was prepared in conjunction with the Village of Teslin. Community consultation was a key aspect to assist in setting future direction for the community at large.	A new ICSP was created. The new plan identified investments in community infrastructure, economic development planning. Plan provides long term direction for the Village and First Nation.  Project completed: October 20, 2015
City of Whitehorse	\$387,903.27	Project # 2011-014  ICSP & SSP Review	The project combined the two previous plans into one. The success of integrating many aspects of the plans into the OCP and Council's Strategic Plan. The new combined plan moves the City further along its sustainability journey.	Monitoring is a key aspect of this plan. An Energy Tracker, a data base that calculates GHG's related to City energy use has been employed. The City is also monitoring active transportation patterns.  Project completed: May 26, 2015
Carcross-Tagish First Nation	\$37,592.72	Project # 2013-012  ICSP Renewal	Reviewed and updated the Carcross/Tagish First Nation 2007 Integrated Community Sustainability Plan (ICSP).	Newly updated ICSP provides a road map for the Carcross/ Tagish First Nation in terms of community identified and supported Gas Tax eligible projects planned for the future. Having a plan to move forward provides certainty of project implementation that would not be possible without the dependability of the GTF.  Project completed: June 10, 2015

Carcross-Tagish First Nation	\$73,571.43	Project # 2016-021 Land Title Registry System	Project is the development of a cloud-based Land Titles Registration system to complement the development of a Land Titles Act. The land registry system will provide registry of leasehold interests and administrative infrastructure that supports certainty of applicants and lending institutions while retaining Aboriginal rights and title to all parcels of settlement lands.	The development of this long term plan will provide a registry of leasehold interests and administrative infrastructure that supports certainty of applicants and lending institutions while retaining Aboriginal rights and title to all parcels of settlement lands.  Project completed: June 2015
Champagne-Aishihik First Nation	\$80,091.00	Project # 2012-028 ICSP Update	Project renewed the original ICSP during the winter of 2013 -2014 and included community workshops and discussions with CAFN residents and Government Departments. Five year capital project plan was developed.	The completed ICSP provides a road map for how CAFN will utilize the GTF to facilitate projects to meet goals of cleaner air, cleaner water and reduced GHG's.  Project completed: March 19, 2015
Champagne-Aishihik First Nation	\$73,571.43	Project # 2013-016 Land Registry System	Project is the development of a cloud-based Land Titles Registration system to complement the development of a Land Titles Act. The land registry system will provide registry of leasehold interests and administrative infrastructure that supports certainty of applicants and lending institutions while retaining Aboriginal rights and title to all parcels of settlement lands.	The development of this long term plan will provide a registry of leasehold interests and administrative infrastructure that supports certainty of applicants and lending institutions while retaining Aboriginal rights and title to all parcels of settlement lands.  Project completed: June 2015
Kluane First Nation	\$73,571.43	Project # 2013-016 Land Registry System	Project is the development of a cloud-based Land Titles Registration system to complement the development of a Land Titles Act. The land registry system will provide registry of leasehold interests and administrative infrastructure that supports certainty of applicants and lending institutions while retaining Aboriginal rights and title to all parcels of settlement lands.	The development of this long term plan will provide a registry of leasehold interests and administrative infrastructure that supports certainty of applicants and lending institutions while retaining Aboriginal rights and title to all parcels of settlement lands.  Project completed: June 2015

Kluane First Nation	\$48,325.00	Project # 2015-003  ICSP Renewal	Developed an ICSP to assist with identifying their goals and outline infrastructure projects over the next 5 to 10 years.	GTF allowed KFN to hire an experienced consultant to guide the process to a successful outcome. The ICSP has provided direction for the KFN government and community of Burwash Landing. The result will be a significant saving of money over time through reduced energy consumption and waste management costs and the ability to access various funding sources.  Project completed: May 4, 2016
First Nation of Nacho Nyak Dun	\$73,571.43	Project # 2013-016  First Nation Land Registry System	Project is the development of a cloud-based Land Titles Registration system to complement the development of a Land Titles Act. The land registry system will provide registry of leasehold interests and administrative infrastructure that supports certainty of applicants and lending institutions while retaining Aboriginal rights and title to all parcels of settlement lands.	The development of this long term plan will provide a registry of leasehold interests and administrative infrastructure that supports certainty of applicants and lending institutions while retaining Aboriginal rights and title to all parcels of settlement lands.  Project completed: June 2015
Little Salmon Carmacks First Nation	\$130,807.85	Project # 2009-043  Renew ICSP	Project was to review and update the 2007 / 2009 ICSP. Project included community survey, consultations, housing needs forecast and a review of many relevant capital reports and strategic priorities. Existing infrastructure projects were reviewed and a list of current infrastructure priorities. Renewed ICSP and included a 10 year capital plan.	GTF goal is the investment in infrastructure to strengthen communities. Infrastructure development relies on good planning based on solid research and consultation. A good plan is a benefit to the community as it results in clear direction. Implementation would not be possible without GTF.  Project completed: March 31, 2017
Ta'an Kwach'an Council	\$73,571.43	Project # 2013-016  Land Registry System	Project is the development of a cloud-based Land Titles Registration system to complement the development of a Land Titles Act. The land registry system will provide registry of leasehold interests and administrative infrastructure that supports certainty of applicants and lending institutions while retaining Aboriginal rights and title to all parcels of settlement lands.	The development of this long term plan will provide a registry of leasehold interests and administrative infrastructure that supports certainty of applicants and lending institutions while retaining Aboriginal rights and title to all parcels of settlement lands.  Project completed: June 2015

TeslinTlingit Council	\$73,571.43	Project # 2013-016 Land Registry System	Project is the development of a cloud-based Land Titles Registration system to complement the development of a Land Titles Act. The land registry system will provide registry of leasehold interests and administrative infrastructure that supports certainty of applicants and lending institutions while retaining Aboriginal rights and title to all parcels of settlement lands.	The development of this long term plan will provide a registry of leasehold interests and administrative infrastructure that supports certainty of applicants and lending institutions while retaining Aboriginal rights and title to all parcels of settlement lands.  Project completed: June 2015
Teslin Tlingit Council	\$45,289.31	Project # 2014-007 ICSP Renewal	Renewal of ICSP (10 year Joint Community Plan) Plan was prepared in conjunction with the Village of Teslin Community consultation was a key aspect to assist in setting future direction for the community at large.	A new ICSP was created. The new plan identified investments in community infrastructure, economic development planning. Plan provides long term direction for the Village and First Nation.  Project completed: October 20, 2015
White River First Nation	\$30,300.00	Project # 2012-031 ICSP Review and Update	Reviewed and updated the Integrated Community Sustainability Plan. This New plan Includes updating the roads, street naming, capital project priorities and addressing issues around energy efficiency in buildings and establishing a framework for and asset management system.	GTF are provided in order to establish a stronger community foundation for future more sustainable communities. The development of a long term plan with clear priorities is essential in making the best use of available resources for the betterment of the community.  Project completed: April 6, 2016
Unincorporated Yukon	\$233,639.95	Project # 2012-037 Solid Waste Management Plans	Creation of solid waste management plans for 20 small sold waste facilities in rural Yukon. All Plans were required to meet Section 96 of Environment Act.	These plans assist in the development of more efficient and environmentally sustainable waste management facilities which reduces GHG's and provides a cleaner environment  Project completed: July 31, 2015

**NATIONAL OUTCOME:  
INVESTING IN COMMUNITY INFRASTRUCTURE / STRONG CITIES AND COMMUNITIES**

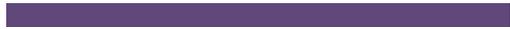
## APPENDIX (B)

### Average Capital Expenditures 2005-2012 & 2012-2016

	BASE AMOUNT CALCULATION					FIVE YEAR COMMUNITY AVERAGE - 10%	AVERAGE CAPITAL SPENDING 2005-2012			
	1999	2000	2001	2002	2003		2005	2006	2007	2008
<b>CARMACKS</b>	64,896.80	67,032.90	65,997.30	65,405.30	67,426.50	66,151.76	437,495	438,414	133,328	245,488
<b>DAWSON CITY</b>	133,835.50	119,841.90	118,212.10	117,106.70	121,579.50	122,115.14	133,065	254,370	553,841	244,932
<b>FARO</b>	127,507.30	126,859.80	137,718.90	137,483.90	139,844.80	133,882.94	357,100	192,638	310,962	462,370
<b>HAINES JUNCTION</b>	71,494.00	69,545.70	66,447.90	67,493.40	68,159.50	68,628.10	227,426	344,570	436,360	372,285
<b>MAYO</b>	75,781.10	76,659.20	76,305.30	75,025.70	71,265.90	75,007.44	294,967	261,309	224,361	285,402
<b>TESLIN</b>	69,446.40	65,893.30	65,940.90	65,378.10	66,749.30	66,681.60	260,000	182,818	186,498	362,803
<b>WATSON LAKE</b>	127,156.80	121,493.30	133,787.00	133,701.40	133,750.10	129,977.72	288,490	964,632	301,648	437,686
<b>WHITEHORSE</b>	488,398.80	534,360.80	517,277.50	520,092.40	512,911.50	514,608.20	2,846,200	2,565,200	1,044,461	997,724
<b>Annual Community Average - 10%</b>	<b>144,814.59</b>	<b>147,710.86</b>	<b>147,710.86</b>	<b>147,710.86</b>	<b>147,710.89</b>	<b>147,131.61</b>				

Note: In 2009 Municipalities became PSAB Compliant and all capital is shown in the financial statements as Tangible Capital Assets (capital expenditures are not listed seperately) which is why the significant change in amounts.

UNINCORPORATED YUKON					\$ 268,840.00				
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Average Capital  
spending 2012-  
2016

<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	Average Capital spending 2012- 2016
253,082	335,214	341,842	11,041,872	467,669.00	62,994.00	121,480.00	128,218.00	2,364,447
191,453	2,174,890	587,311	833,971	1,077,349.00	1,347,489.00	1,122,319.00	3,616,679.00	1,599,561
352,679	543,625	407,875	131,467	180,556.00	34,624.00	184,930.00	671,561.00	240,628
462,468	749,458	3,554,985	3,192,746	469,121.00	401,809.00	142,024.00	428,433.00	926,827
680,748	761,855	1,192,922	386,068	166,297.00	213,049.00	402,268.00	3,694,076.00	972,352
111,500	109,571	595,714	79,596	513,314.00	7,846,110.00	3,624,080.00	1,329,045.00	2,678,429
731,865	213,450	536,361	347,995	643,763.00	1,775,376.00	366,613.00	5,815,483.00	1,789,846
27,229,739	15,331,750	24,801,829	35,650,380	11,565,703.00	411,766,553.00	7,630,465.00	7,972,767.00	94,917,174

\$ 385,308.00	\$ 590,460.00	\$ 627,792.00	\$ 590,200.00	\$ 307,914.00	\$ 3,935,080.76	\$ 3,386,490.41	\$ 1,594,211.14	\$ 1,962,779.26
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