

THE CORPORATION OF THE CITY OF GRAND FORKS  
 AGENDA - COMMITTEE OF THE WHOLE MEETING  
 Monday March 10th, 2014, 9:00am  
 6641 Industrial Parkway, Meeting Room

	<u>ITEM</u>	<u>SUBJECT MATTER</u>	<u>RECOMMENDATION</u>
1	<b><u>CALL TO ORDER</u></b>		
2	<b><u>COMMITTEE OF THE WHOLE AGENDA</u></b>		
	Agenda for March 10th, 2014	Adopt the agenda for March 10th, 2014.	Adoption of Agenda
3	<b><u>REGISTERED PETITIONS AND DELEGATIONS</u></b>		
	Gallery 2 - Steve Hollett - President of the Gallery 2 Board	Presentation of proposed Service Agreement between Gallery 2 and the City of Grand Forks	The Committee of the Whole recommends that Council receive the recommendation from Steve Hollett, President of the Gallery 2 Board, and refers to the March 10th, 2014 Regular meeting for discussion and decision.
	Boundary District Arts Council Society - Presentation of the Financial Statements <a href="#">Boundary District Arts Council Society - Fin. Stmts..pdf</a>	Presentation of the Financial Statements of the Boundary District Arts Council as requested by Council	That the COTW recommends to Council to receive the presentation made by the Boundary District Arts Council with regard to the request for funding and refers the proposed resolution to the March 10th Regular meeting.  Proposed Resolution for Council's Consideration at the March 10th, Regular meeting:  RESOLVED THAT COUNCIL DETERMINES TO PROVIDE FUNDS TO THE BOUNDARY DISTRICT ARTS COUNCIL IN THE AMOUNT OF \$4,500 WITH FUNDS TO COME FROM THE 2013 OPERATING BUDGET, IN ORDER TO MEET THE GRANT REQUIREMENTS FROM THE BRITISH COLUMBIA ARTS COUNCIL;

BE IT FURTHER RESOLVED THAT COUNCIL DETERMINES TO PROVIDE FUNDING IN THE AMOUNT OF \$4,500 FROM THE 2014 OPERATING BUDGET TO THE BOUNDARY DISTRICT ARTS COUNCIL, CONTINGENT ON AN AGREEMENT FOR A FEE FOR SERVICE BETWEEN THE CITY OF GRAND FORKS AND THE BOUNDARY DISTRICT ARTS COUNCIL PRIOR TO THE END OF BDAC'S FISCAL YEAR; JUNE 30TH, 2014.

China Creek Internet and the residents of East Grand Forks - Ben Peach

[Delegation - China Creek Internet & Residents of East GF - Ben Peach.pdf](#)

To request Council support the installation of wireless internet relay equipment at an airport beacon site

That the COTW receives the request from Ben Peach, representative for China Creek Internet and the residents of East Grand Forks, regarding Councils support for the installation of wireless internet relay equipment at an airport beacon site.

#### 4 **PRESENTATIONS FROM STAFF**

Monthly Highlight Reports from Dept. Managers

[Building & Bylaw Services.doc](#)  
[Chief Financial Officer.doc](#)  
[Corporate & Community Services.doc](#)  
[Development & Engineering.doc](#)  
[Fire Chief.doc](#)  
[Operations.doc](#)

Staff request for Council to receive the monthly activity report from department managers

That the Committee of the Whole recommends to Council to receive the monthly activity reports

Manager of Development and Engineering - Community Fibre Optic Network

[RFD - Mgr. Dev. & Eng. - Fiber Optic Network Plan.pdf](#)

Community Fibre Optic Network

The COTW recommends to Council to receive the presentation and authorize staff to proceed with the Fibre Optic Network Plan thereby offering the value added technology services to community organizations, local businesses and other Local Government entities and refer the issue for further discussion to the March 10th Regular meeting.

Manager of Development and Engineering - Early Budget Approval  
[Early Budget Approval Dick Bartlett Park.pdf](#)

Early budget approval for Dick Bartlett Park Electrical Upgrade

The COTW recommends to Council to refer the following proposed resolution to the March 10th, 2014 Regular Meeting: "Council to provide early budget approval for the Dick Bartlett Electrical Upgrade to install a new electrical service estimated to cost \$10,000 to be funded from the Capital Reserve Fund.

Manager of Development and Engineering - Spragett Bridge Tubing Parking Lot  
[Early Budget Approval Spragett Bridge Parking.pdf](#)

Early budget approval for the Spragett bridge Tubing Parking Lot

The COTW recommends to Council to refer the following proposed resolution to the March 10th, 2014 Regular Meeting: "Council to provide early budget approval for the development of a parking lot, a pathway leading to the Kettle River and signage on a City owned right of way north of Spragett bridge (66th Avenue Area) in the amount of \$42,000. \$17,000 to be funded from the Parking Reserve fund, and \$25,000 from a grant from the Ministry of Transportation.

Manager of Development and Engineering - Well 3  
[Early Budget Approval Well 3.pdf](#)

Early Budget approval for Well 3 - 200HP Vertical Turbine Replacement

The COTW recommends to Council to refer the following proposed resolution to the March 10th, 2014, Regular Meeting: "Council to provide early budget approval for the Well 3 removal and replacement of the vertical turbine pump estimated to cost \$40,000 to be funded from the Capital Reserve Fund."

## 5 **REPORTS AND DISCUSSION**

## 6 **PROPOSED BYLAWS FOR DISCUSSION**

Manager of Building Inspection and Bylaw Services - Noise Control Bylaw Amendment  
[RFD - Mgr. of Bldg. Inspections & Bylaw Services - Noise Control Bylaw](#)

Noise Control Bylaw Amendment

The COTW recommends to Council to direct staff on the requested timelines that Council would like to see on Sections 4.4 (a) and (c), and section 6.1 (b), (c), and (d)

[Amendment.pdf](#)

and further to recognize and discuss 5.1 with regard to industrial operations;  
And further recommends to Council to direct staff to forward the amended Noise Control Bylaw No. 1963 A-1 to the March 24th Regular meeting.

Manager of Development and Engineering - Grand Forks Recreation Commission  
[RFD - Mgr. of Dev. & Eng. - RDKB Request for Licence of Occupation.pdf](#)

Grand Forks Recreation Commission request for Licence of Occupation

The COTW recommends to Council to approve the Licence of Occupation and direct staff to proceed with the Licence of Occupation Agreement with the Regional District of Kootenay Boundary.

Chief Financial Officer - Financial Plan Bylaw  
[RFD - CFO - First Two Readings of Financial Plan Bylaw 1996.pdf](#)

First and Second reading of the Financial Plan Bylaw 1996

That COTW recommends that Council considers giving first and second reading to Year 2014-2018 Financial Plan Bylaw 1996 and refer to the Regular Meeting of March 10th, 2014.

## 7 **INFORMATION ITEMS**

Climate Action Revenue Incentive Public Report for Year 2013  
[Info Item - Climate Action Revenue Incentives Public Report for YEAR 2013.pdf](#)

Climate Action Revenue Incentive Public Report for Year 2013

Receive for Information

Building Permit Statistics for Grand Forks and Surrounding Area  
[Info Item Copy of PERMIT STATISTICS 2012 - 2013.pdf](#)

Receive for Information

## 8 **CORRESPONDENCE ITEMS**

## 9 **LATE ITEMS**

## 10 **REPORTS, QUESTIONS AND INQUIRIES FROM MEMBERS OF THE COUNCIL (VERBAL)**

## 11 **QUESTION PERIOD FROM THE PUBLIC**

## 12 **ADJOURNMENT**





**BOUNDARY DISTRICT ARTS COUNCIL SOCIETY**

**FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED JUNE 30, 2013**

(unaudited)

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CONTENTS:

NOTES TO READER

FINANCIAL STATEMENTS

Statement of Income

Balance Sheet

Notes to Financial Statements

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*Barbara Cornelius*  
*Bookkeeping & Office Services*

*Barbara Cornelius*  
*Bookkeeping & Office Services*

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**NOTES TO READER**  
*July 24, 2013*

In compiling the accounts and financial statements of the **Boundary District Arts Council Society** for the fiscal year ending June 30, 2013 I have obtained all the information and explanations I required. In my opinion the current financial statements are properly drawn up so as to exhibit a true and correct view of the state of the Association's affairs according to the best of my information and the explanations given to me by the Treasurer of the Society. I have not performed an audit or a review engagement in respect of these financial statements.

*Barbara A. Cornelius*  
*Bookkeeper*

**BOUNDARY DISTRICT ARTS COUNCIL SOCIETY  
STATEMENT OF INCOME  
FOR THE YEAR ENDED JUNE 30, 2013**

					2013	2012	2011
	Operations	Performance Concert	Arts Week	Festival 2013			
					Total	Total	Total
<b>RECEIPTS</b>							
Ticket Sales and other revenue	586	7,951	248	1,225	10,010	11,468	9,360
Grants	18,916	2,981	300		22,197	31,996	7,183
Donations					-	-	-
In-Kind Donations							
	19,502	10,932	548	1,225	32,207	43,464	16,543
Transfer to deferred revenue	(6,918)	(360)		(1,225)	(8,503)	(12,478)	(4,431)
	<b>12,584</b>	<b>10,572</b>	<b>548</b>	<b>-</b>	<b>23,704</b>	<b>30,986</b>	<b>12,112</b>
<b>EXPENSES</b>							
Accounting	372	372	30	30	804	910	196
Artists' fees		10,152			10,152	10,964	9,408
Costs for performers (Hosp. & Acc.)		781			781	1,024	859
Contractors' fees					-	192	549
Facilities		702			702	642	574
Fees, dues, and licenses	333	163			496	375	354
Grant distribution & Scholarships	8,150				8,150	9,300	-
Insurance	213	212			425	425	200
Travel, Meeting, Volunteers	2,161	788	59		3,008	2,398	461
Bank Charges	88	53			141	102	33
Office and telephone	1,123	248			1,371	714	252
Printing and advertising	1,069	1,183	94	1,705	4,051	4,994	2,759
Repairs and maintenance	110				110	110	-
Stage and Sound		400	280		680	475	430
	13,619	15,054	463	1,735	30,871	32,625	16,075
Transfer to deferred expenses	-		-	(1,735)	(1,735)	(620)	(4,528)
	<b>13,619</b>	<b>15,054</b>	<b>463</b>	<b>-</b>	<b>29,136</b>	<b>32,005</b>	<b>11,547</b>
<b>OPERATING SURPLUS (LOSS) FOR THE YEAR</b>	<b>(1,035)</b>	<b>(4,482)</b>	<b>85</b>	<b>-</b>	<b>(5,432)</b>	<b>(1,019)</b>	<b>565</b>

**Boundary District Arts Council Society**  
**Balance Sheet As At June 30, 2013**

**ASSETS**

**Current Assets**

Cash Float	100	
Arts Council Acct #000 Chq'g	14,639	
Performance Committee #002 Chq'g	612	
Gaming Account	-3	
Piano Fund Plan 24	1,335	
GFSCU 9791-5 Shares	25	
Reserve Fund: C/U Term Deposit	4,055	
Total Cash		20,763

**Total Current Assets**

20,763

**Capital Assets**

Net - Furniture & Equipment	0
<b>Total Capital Assets</b>	<u>0</u>

**TOTAL ASSETS**

20,763

**LIABILITIES**

**Total Current Liabilities** 0

**Total Long Term liabilities** 0

**TOTAL LIABILITIES**

0

**EQUITY**

**Deferred Revenue**

Deferred Revenue	8,503
Deferred Expenses	-1,736
<b>Total Deferred Revenue</b>	<u>6,767</u>

**Retained Earnings**

Retained Earnings - Previous Year	19,428
Current Earnings	-5,432
<b>Total Retained Earnings</b>	<u>13,996</u>

**TOTAL EQUITY**

20,763

**LIABILITIES AND EQUITY**

20,763

**APPROVED BY THE DIRECTORS:**

Michael Harrison Director  
Amya Jock Director

President 2013  
Vice President 2013

**BOUNDARY DISTRICT ARTS COUNCIL SOCIETY**  
**NOTES TO THE FINANCIAL STATEMENTS**  
**FOR THE YEAR ENDED JUNE 30, 2013**  
**(unaudited)**

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**1. PURPOSE OF ORGANIZATION**

The Boundary District Arts Council Society is a local not-for-profit organization, whose Purpose is to co-ordinate and support local projects, cultural activities and community organizations.

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**2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

(a) The Boundary District Arts Council Society follows the fund accounting method of recording its transactions for the various projects and services it provides to the community.

(b) Revenue and expense recognition  
Restricted contributions to operations are recognized as revenue in the year in which related expenses are incurred. All unexpended funds to be applied to a subsequent period are reflected as deferred revenue. Expenditures incurred during the current year, which relate to a subsequent period in which the deferred revenue is recognized, are reflected as deferred expenses.

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**3. FINANCIAL INSTRUMENTS**

The organization's financial instruments consist of cash and deferred revenues. The carrying amounts reflected in the balance sheet approximate their fair values.

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**BOUNDARY DISTRICT ARTS COUNCIL SOCIETY**  
**NOTES TO THE FINANCIAL STATEMENTS (cont'd)**  
**FOR THE YEAR ENDED JUNE 30, 2013**  
**(unaudited)**

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**4. INTERNALLY RESTRICTED FUNDS**

The internally restricted funds are surplus funds of the Society that have been allocated for specific purposes. The restrictions can be changed by approval of the Board of Directors.

	<b>2013</b>	<b>Additions</b>	<b>Reductions</b>	<b>2012</b>
Piano Fund	1,335	1,335	-1,553	1,553
Performance Series Fund	612	612	-2,769	2,769
Grants & Awards	8,500	8,500	-10,000	10,000
Emergency Fund	<u>4,055</u>	<u>4,055</u>	<u>-4,021</u>	<u>4,021</u>
	<b>14,502</b>	<b>14,502</b>	<b>-18,343</b>	<b>18,343</b>

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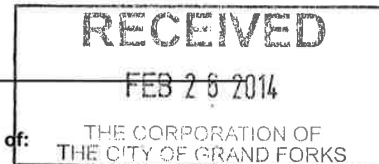
**Boundary District Arts Council Society**  
**Calculation of Unrestricted Funds for CAC Grant**  
**June 30, 2013**

← **This sheet is important to refer to  
when doing your CAC grant  
application.  
It is not part of the official annual  
financials.**

Cash Balance at June 30, 2013		20,763
* Less Restricted funds:		
Piano Fund	-1,335	
Performance	-612	
Grants & Awards	-8,500	
Emergency Fund	-4,055	
		<u>-14,502</u>
		6,261
Less Deferred Revenue / Expense Net		<u>-6,767</u>
Unrestricted Funds		-506
Annual Gross Revenue	23,704	
50% of Gross Revenue allowable as Unrestricted Funds		11,852
Surplus (Deficit)		<u>-12,358</u>

**\* Internally Restricted Funds do not appear on the Balance Sheet,  
but are documented in the "Notes to the Financials" section of the  
year end Financial Statements**

From: Ben Peach <bpeach172@gmail.com> Feb-21-14 4:34:21 PM  
Subject: [BULK] New Online Delegation Form submission from Ben Peach  
To: Info City of Grand Forks



Your Worship, Mayor Taylor, and Members of Council, I/We are here this evening on behalf of:

China Creek Internet and the residents of East Grand Forks

To request that you consider:

The installation of wireless Internet relay equipment at an airport beacon site

The reasons that I/We are requesting this action are:

There are several families just East of Grand Forks who do not have access to high speed Internet by way of conventional means such as Cable or DSL. These residences also do not have the necessary "line of sight" to Observation mountain where China Creek Internet already has infrastructure. We also feel that this is an opportunity to form a symbiotic relationship between CCIS and the City of Grand Forks. CCIS has an extensive infrastructure and can offer remote site monitoring, high speed Internet, and other services throughout the area.

I/We believe that in approving our request the community will benefit by:

The families who are affected by this request will benefit by gaining access to cheap, reliable, high speed Internet service. Currently, these families are forced to use dialup which is slow, unreliable, and comparatively expensive. Dialup Internet service also ties up a telephone line, and does not support many of the services that many of us take for granted such as voice over IP and streaming video. Enabling CCIS to offer high speed Internet services in the area would also benefit existing high speed Internet subscribers in that it brings another service provider to the area which increases customer choice and promotes competitive service pricing.

I/We believe that by not approving our request the result will be:

If this request is not approved, these families will be denied high speed Internet access which in turn denies them a host of other services such as voice over IP, streaming video, educational opportunities, and so on.

In conclusion, I/we request that Council for the City of Grand Forks adopt a resolution stating:

CCIS requests that the City Council approve a motion to allow the installation of Internet relay equipment at the airport beacon site, and to designate Mr. Doug Allin to commence negotiations with CCIS.

Name

Ben Peach

Organization

FILE CODE  
China Creek Internet  
D2 - & Residents of East  
Grand Forks

China Creek Internet

**Mailing Address**

55 Carson Road  
55 Carson Road  
Grand Forks, British Columbia V0H1H4  
Canada  
[Map It](#)

**Telephone Number**

2504426600

**Email Address**

[bpeach172@gmail.com](mailto:bpeach172@gmail.com)

# MONTHLY HIGHLIGHT REPORTS



**DATE :** February 27, 2014  
**TO :** Committee of the Whole  
**FROM:** Manager of Building Inspection & Bylaw Services  
**HIGHLIGHTS :** For the Month of February, 2014

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- ❖ Reviewing and follow up on Complaints
  - ❖ Reviewing the current Zoning Bylaw
  - ❖ Amendment to the Noise Control Bylaw
  - ❖ 1 New Permit Issued for a home renovation.
  - ❖ 1 Permit Pending - final documentation for a substantial home addition
  - ❖ 1 Permit pending - final documentation for a new home construction
  - ❖ Development of the Design and Engineering Plans for the City Hall Fire Restoration
  - ❖ Following up on Building Permits transferred from the RDKB
  - ❖ Scheduled to write the Building Inspectors Level 1 exam at Okanagan College on March 14, 2014
-

# MONTHLY HIGHLIGHT REPORTS



**DATE :** February 26, 2014  
**TO :** Committee of the Whole  
**FROM:** Chief Financial Officer  
**HIGHLIGHTS :** For the Month of February, 2014

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- ❖ Open House for Downtown Beautification – February 20th
  - ❖ Attended Family Day celebrations February 8th
  - ❖ COTW capital budget presentation – February 12th
  - ❖ COTW draft Financial Plan presentation – February 24th
  - ❖ Interim audit February 5th
  - ❖ T4s complete
  - ❖ Posting to replenish the Admin Casual Pool and 3-5 months relief for the Revenue Clerk position.
  - ❖ Still struggling with Vadim, our software provider, to get VadimOpen functional.
-

# MONTHLY HIGHLIGHT REPORTS



**DATE :** February 27<sup>th</sup>, 2014  
**TO :** Committee of the Whole  
**FROM:** Corporate & Community Services  
**HIGHLIGHTS :** For the Month of February, 2014

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- ❖ Agendas and Minutes for February 11<sup>th</sup> and 24<sup>th</sup> Meetings
- ❖ Family Day Event and Activities
- ❖ Continued work with City Hall Restoration:
  - Meeting with Designers on Design concepts
  - Development of the Project Manager
  - Assisted with review of Mechanical, Electrical and Structural Proponents
- ❖ Coordination of Local Government component to the AKBLG Community Engagement Event Set for March 12<sup>th</sup>
- ❖ Developed Community Events and Advertising Component to February 24<sup>th</sup> Budget Presentation

# MONTHLY HIGHLIGHT REPORTS



**DATE :** February 26, 2014  
**TO :** Committee of the Whole  
**FROM:** Manager of Development & Engineering  
**HIGHLIGHTS :** For the Month of February, 2014

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- ❖ Our New Manager of Operations, Roger Huston, Commenced His New Role
  - ❖ Capital Budget Presentations
  - ❖ Held Downtown Beautification Upgrades – Phase II Open House
  - ❖ Received a Development Permit Application for McDonald's/Convenience Store/Gas Bar
  - ❖ Received Two Subdivision Applications
  - ❖ Received Council Approval for a Stewardship Agreement with the Biker's Association
  - ❖ Applied for WildsafeBC Grant
  - ❖ Held Start-Up Meeting for the Design of the Electrical, Mechanical, Structural and Layout Components for City Hall Renovations
  - ❖ Received Council Approval to Dispose of Lot 5, KAP86416, Sagamore Rd.
  - ❖ Received Council Approval for the Closure of a Portion of 81<sup>st</sup> Ave.
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# MONTHLY HIGHLIGHT REPORTS



**DATE :** Feb 28, 2014

**TO :** Committee of the Whole

**FROM:** Fire Chief

**HIGHLIGHTS :** For the Month of February, 2014

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- ❖ Calls for February: 31 – 6 Fire, 4 Rescue, 21 First Responder
  - ❖ FIPI (Industrial Dust Control Inspection) course - Cranbrook
  - ❖ Preplanning and Factory Preconstruction Meeting for Aerial Platform Truck – Sioux Falls, SD
  - ❖ Volunteer Association Annual banquet
  - ❖ Prep and participation in Family Fun Day
  - ❖ Budget process
  - ❖ Review fire plan, drill at Abbeyfield
-

# MONTHLY HIGHLIGHT REPORTS



**DATE :** February 28, 2014  
**TO :** Committee of the Whole  
**FROM:** Manager of Operations  
**HIGHLIGHTS :** For the Month of February, 2014

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- ❖ Sewer main repair on 75<sup>th</sup> Avenue and 7<sup>th</sup> Street. Collapsed pipe repair.
- ❖ Sewer service repair on 7148 18<sup>th</sup> Street. Collapsed pipe.
- ❖ Water main repair at Highway 3 and Granby Road.
- ❖ Cemetery mapping and data input updated.
- ❖ Installation of hanging baskets proceeding.
- ❖ Water pump houses interior painted.
- ❖ Parks benches and bleachers sanded and painted.
- ❖ Pothole patching continues as required.
- ❖ Curb stop locates and repairs continue.
- ❖ Letter sent to customer at 7591 17<sup>th</sup> Street concerning low water pressure concern. Follow-up from speaker at COW on February 11, 2014.
- ❖ Awarding of Hanging Basket RFP to Avalon Gardens.

# MONTHLY HIGHLIGHT REPORTS



# DELEGATION



**To:** Committee of the Whole  
**From:** Manager of Development and Engineering  
**Date:** February 20, 2014  
**Subject:** Community Fiber Optic Network  
**Recommendation:** **RESOLVED THAT THE COTW RECOMMENDS TO COUNCIL TO RECEIVE THE PRESENTATION AND AUTHORIZE STAFF TO PROCEED WITH THE FIBER OPTIC NETWORK PLAN THEREBY OFFERING THE VALUE ADDED TECHNOLOGY SERVICES TO COMMUNITY ORGANIZATIONS, LOCAL BUSINESSES AND OTHER LOCAL GOVERNMENT ENTITIES AND REFER THE ISSUE FOR FURTHER DISCUSSION TO THE REGULAR MEEETING OF COUNCIL ON MARCH 10, 2014.**

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**BACKGROUND:** The Community Fiber Optic Network is a joint effort of the City of Grand Forks and School District No. 51. The report and presentation outline the history of this project while also highlighting the current status and benefits of this network. Based on the current information and technology available, it is recommended that the City offer the services detailed in the report to community organizations, local businesses and other local government agencies and gradually grow these services over time. The revenue generated by these services will off-set costs for future hardware upgrades and replacements.

In this technology oriented world, all future potential options in the report are valuable services to the community. They should all be researched and evaluated in detail so that our community can continue to be ahead of similar communities and attract younger families and businesses alike. The internet is transforming the way we work, learn, communicate, shop, find information and entertain ourselves and our families. Next generation networks build upon this transformation by opening access to a growing array of services and by removing bandwidth barriers.

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## **Benefits or Impacts of the Recommendation:**

**General:** By approving the Community Fiber Optic Network Plan, the City could offer the services detailed in the report to community organizations, local businesses and other local government entities and gradually grow these services over time.

**Strategic Impact:** The fiber optic network has the capability to enhance economic development and job creation opportunities by attracting businesses dependant on telecom services.

**Financial:** By not approving the proposed Community Fiber Optic Network Plan, the City will miss out on the opportunity to offer some value added technology services to the

# DELEGATION



community organizations, local businesses and other local government entities and will not be able to recover fiber equipment replacement costs.

Any future network expansions would be a cost to the City and would need to be budgeted for regardless if we proceed with plan or not.

**Policy/Legislation:** This project is a joint venture between the City of Grand Forks and School District No. 51.

**Attachments:** Community Fiber Optic Network Report

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## Options:

1. RESOLVED THAT THE COTW RECOMMENDS TO COUNCIL TO RECEIVE THE PRESENTATION AND AUTHORIZE STAFF TO PROCEED WITH THE FIBER OPTIC NETWORK PLAN THEREBY OFFERING THE VALUE ADDED TECHNOLOGY SERVICES TO COMMUNITY ORGANIZATIONS, LOCAL BUSINESSES AND OTHER LOCAL GOVERNMENT ENTITIES.
2. RESOLVED THAT THE COTW RECOMMEND TO COUNCIL TO RECEIVE THE PRESENTATION.
3. RESOLVED THAT THE COTW RECOMMENDS TO COUNCIL TO REFER BACK TO STAFF FOR FURTHER INFORMATION.

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Department Head or CAO	Chief Administrative Officer



# THE COMMUNITY FIBER OPTIC NETWORK

Partnership between the City of Grand Forks and School District No. 51.

# THE COMMUNITY FIBER OPTIC NETWORK

## TABLE OF CONTENTS

<b>EXECUTIVE SUMMARY &amp; PROJECTED PLAN</b>	<b>PAGE 2</b>
<b>HISTORY &amp; OVERVIEW</b>	<b>PAGE 3</b>
PREVIOUS SITUATION	PAGE 3
ORIGINAL FIBER PROPOSAL	PAGE 4
SD51 PARTNERSHIP & GRANTS	PAGE 5
CONSTRUCTION PHASE	PAGE 6
CONNECTIONS & PHONE SYSTEM	PAGE 7
OPERATIONAL COSTS OF THE NETWORK	PAGE 8
FUTURE OPTIONS & OTHER BENEFITS	PAGE 9
CONCLUSION – THE PRESENT	PAGE 10
<b>FUTURE OPTIONS – IN DETAIL</b>	<b>PAGE 11</b>
POTENTIAL SERVICES TO BE OFFERED	PAGE 11
CALCULATIONS	PAGE 12
SPAM FILTERING	PAGE 12
WEB HOSTING AND DNS MANAGEMENT	PAGE 12
HOSTED STORAGE	PAGE 13
VOIP PHONES	PAGE 13
RACKSPACE - COLOCATION	PAGE 14
INTERNET EXCHANGE	PAGE 14
FIBER HOOKUP	PAGE 15
ISP SERVICES	PAGE 15
RECOMMENDATIONS - FIBER OPTIC NETWORK PLAN	PAGE 16
<b>APPENDICES</b>	<b>PAGE 17</b>
APPENDIX A – MAP WITH EXPANSIONS	
APPENDIX B – TIMELINE, GOALS, AND EXPANSION COSTS	
APPENDIX C – FINANCIAL PROJECTIONS	
APPENDIX D – OVERVIEW OF TECHNOLOGY SERVICES	
APPENDIX E – TYPICAL PHONE SYSTEM CONNECTION LAYOUT	
APPENDIX F – NETWORK SPEEDS / BANDWIDTH	
APPENDIX G - AGREEMENTS	

## EXECUTIVE SUMMARY

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Over the last eight years the City of Grand Forks and School District No. 51 have partnered on a communications infrastructure upgrade project. The focus was mainly on creating a backbone fiber optics network connecting all City and School District sites with each other, as well as creating a joint data center to enable sharing of server and network infrastructure.

This report includes an overview of the Fiber Project providing a chronological view and detailing the positive outcome as well as other benefits that are possible thanks to the new infrastructure. The new infrastructure also provides the City with future in-house and community oriented options with a shared cost and savings that would not have been possible without a fiber network such as this.

The second part of this report details a business model that was created to provide Technology Services such as Virtual Storage, Web, Email & Spam Management, Voice-over-IP, fiber connectivity and other higher end services to local businesses and community organizations. It also outlines other potential options for partnerships with Internet Service Providers and internet access upgrades such as joining the Columbia Basin Broadband Corporation Network.

## PROJECTED PLAN

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Based on the current information and technology available, the City should offer the services detailed in this report to community organizations and businesses and gradually grow these services over time. The revenue generated by these services will off-set future hardware upgrades and replacements.

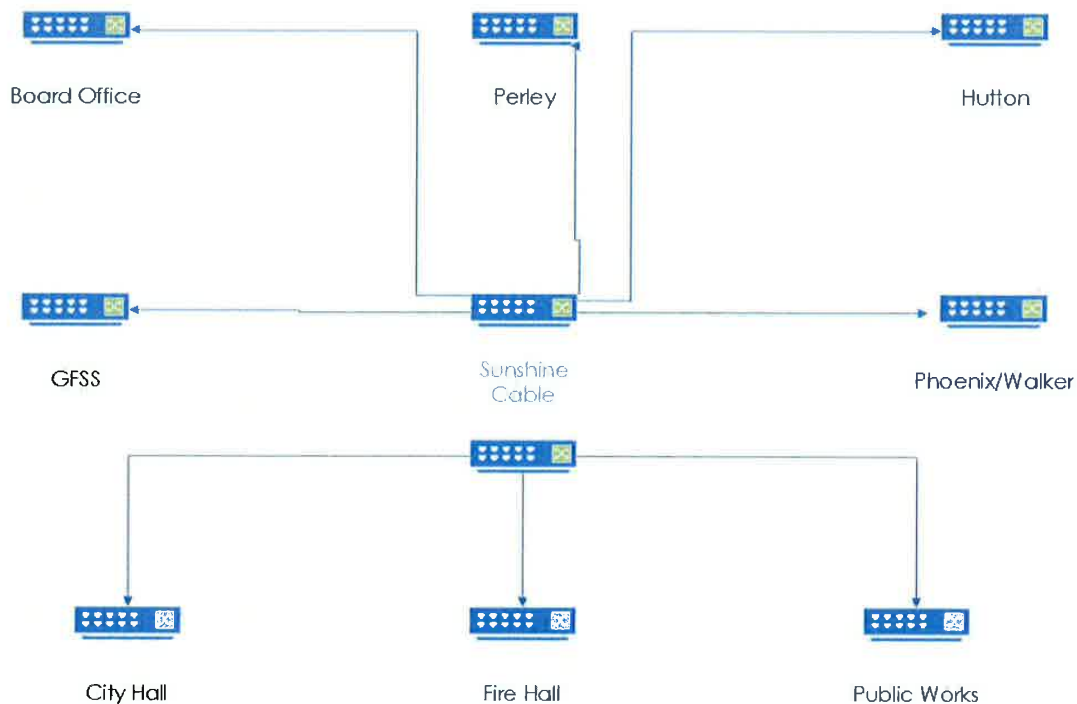
In this technology oriented world, all future potential options in this report are valuable services to the community. They should all be researched and evaluated in detail so that our community can continue to be ahead of similar communities and attract younger families and businesses alike.

# History and Overview

## PREVIOUS SITUATION

In the late 1990's the City's three main sites (City Hall, Public Works, Fire Hall) were interconnected first through wireless radios and then through 10 megabits per second fiber optic cable provided by Sunshine Cable (now Shaw). The School District sites in Grand Forks (Dr. D. A. Perley Elementary, John A. Hutton Elementary, Grand Forks Secondary, School Board Office) started with cable modems then were also converted to 10Mbps fiber. All fiber connections were terminated at the Sunshine Cable office which acted as the central point via a 10 megabits per second Hub in their server rack. Sunshine Cable charged the City for all fiber connections, cable modems, and email, a total of \$18,000.00 per year. (For a detailed explanation on network speeds and bandwidth, please see Appendix F)

Old Network Configuration



## THE COMMUNITY FIBER OPTIC NETWORK

During the City Hall renovations in the early 2000's, a VoIP gateway system was installed removing the need for a phone system at Public Works but still utilizing the old phones and the old phone system at City Hall. The email system was also moved in-house.

The 10 megabits per second fiber link to Public Works quickly became saturated as file sizes increased, emails got bigger, VoIP was added, etc. As well, the heavy users for large documents were located at Public Works.

Old servers were installed at Public Works to act as on-site storage in order to decrease the need for a fiber link for large files and as such increase file access. However, issues with accessing files on the City Hall servers and phone call quality became increasingly difficult for staff at the Public Works location.

The School District faced similar issues of aging technology infrastructure and costs. It became increasingly more difficult to maintain both financially and technically. It became apparent to the City and the School District that it would be beneficial to consolidate all these resources for robustness and cost savings.

### ORIGINAL FIBER PROPOSAL

In April of 2005 a business case was proposed to interconnect 3 main sites with each other through City owned fiber optic cable and to have one connection to the Internet from City Hall as well as centralized servers. This project was proposed with a budget of \$75,000.00 and would have increased the speed of the network to at least 100 megabits per second, if not 1000 megabits per second. The cost for the internet connection could have been reduced to between \$6,000.00-\$12,000.00 per year for ADSL or cable with anticipated payback in savings on internet costs and servers needed over 5-10 years.



### **SD51 PARTNERSHIP & GRANTS**

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School District 51 approached the City in the summer of 2005 to connect the SD51 Marlex Works Yard (just above Public Works) to the proposed fiber. This inquiry led to a proposal to connect other sites to the fiber network (Art Gallery, Library, Electrical Substation at Interfor, as well as all School District sites including Hutton, Perley, GFSS, Board Office, Walker, Phoenix/IT, and Marlex).

School District received an initial \$55,000 grant and was approved monies to explore this proposed project in more detail.

The City at that time suggested increasing the scope of the project to include all 12 Water and Sewer sites, as well as the 2 other electrical sites along with all school district sites. The plan also included a joint datacenter facility at 525 Central Ave inside the future home of the Walker Development Program, and an additional connection on Observation Mountain.

An application was made for funding through the Pine Beetle grant program through the Western Economic Diversification department of the Federal Government.

In 2006, Shaw bought out Sunshine Cable and was continuously approaching the City to change the fiber connection and wanting to increase costs. Shaw started charging for individual cable modems, as well. The costs for all City internet connections at that time approached \$28,000.00 per year and Shaw was further wanting to increase the price to between \$40,000.00 - \$48,000.00 per year in total.

## THE COMMUNITY FIBER OPTIC NETWORK

### CONSTRUCTION PHASE

After several reviews and changes throughout 2006 - 2008 funding was approved in 2009. The total cost of the project was estimated at \$1,050,000.00. The data center alone was priced at over \$400,000.00 for construction including cooling, power, switching, and fire protection.



Request for Proposals and Quotes were posted and the data center room construction was underway by the end of 2009. The Fiber network was installed by the end of 2010.



Due to budget constraints, the fiber run to the airport was eliminated. Instead, a 144 strand fiber loop was constructed to allow for extra redundancy between all sites in the event the main fiber trunk got damaged and to allow for extra expandability in the future.

The completed fiber network is currently running at a speed of 1000 megabits per second (or 1 gigabits per second) but has a capability, with the right equipment, to be increased to 10 gigabits per second and possibly more. However, the equipment

## THE COMMUNITY FIBER OPTIC NETWORK

needed for this is currently very expensive, and should through the next 10 years cost substantially less as this technology becomes more common. (Please see Appendix F)



## CONNECTIONS & PHONE SYSTEM

In November 2011, the City signed a 5 year contract to have Telus provide a 10 megabits per second fiber internet connection for \$20,000.00 per year. Telus was chosen over Shaw based on their previous excellent troubleshooting and support services.

Additional Cisco switches, routers, and firewalls were jointly purchased to upgrade the City's aging network gear to fiber and VoIP capable devices that would allow for 1 gigabits per second speeds on the internal network which is maintained by school district staff.

Additional fiber connections were installed at the Municipal Campground.

## THE COMMUNITY FIBER OPTIC NETWORK

A Shaw cable connection was also installed to allow for future public internet access. This connection is now available for use in the Municipal Campground and the planned Rotary Wifi Network.

The City's and School District's aging and failing phone system was replaced with a new Cisco VoIP system in partnership with School District No. 51 in 2011/2012.

The Water and Sewer Scada sites were upgraded and converted to fiber in 2012 and continue to use the previous wireless radios as backup connections.

### **OPERATIONAL COSTS OF NETWORK**

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The Network Manager employed by the School District is funded through revenues received for the community network from Ministry of Labour, Citizens' Services, who is responsible for shared services in BC. Presently fees are collected for the School District facilities in Grand Forks, Selkirk College and the Ministry of Children and Families which operate on the Provincial Learning Network. These monies pay for half of the Network Manager's salary and give a yearly contingency to the community network of approximately \$15,000.

### **FUTURE OPTIONS AND OTHER BENEFITS**

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There are several options with regards to fiber optic network, data center, and infrastructure that the City now has in place.

#### **INTERNET BANDWIDTH**

In the future, the City will need to explore an increase in bandwidth to the internet from the current 10 megabits per second connection from Telus to possibly a 100 megabits per second connection or maybe even a 1 gigabits per second connection depending on the City's needs at that time. Currently, the 10 megabits per second connection is not fully utilized, so an increase to the network is not necessary at this point. The Columbia Basin Broadband Corporation has approached the City in regards to supplying this upgraded bandwidth and Internet connection. However, due to the Telus contract in place and associated buy out costs, it is not in the City's best interests to proceed with this at this time but rather re-evaluate the options available at the renewal time, unless the Columbia Basin Broadband Corporation wants to buy out or otherwise take over the Telus contract in place. (For a detailed explanation on network speeds and bandwidth, please see Appendix F)

#### **FUTURE OPTIONS**

The current infrastructure is capable of offering several services to other organizations including spam filtering, web and email hosting, storage space and backup, as well as access to phone system services like voicemail, conferencing, etc. Part of the fiber infrastructure can also be leased out to an ISP to provide Internet, TV and Telephone service to businesses and residences.

#### **OTHER BENEFITS**

As the network provides the City with connectivity from one end of town to the other, several other options are available.

Security Systems and/or Video systems can be centralized and managed from one central station, while reducing phone line needs at each site. Doors and entry access can be upgraded to a centrally controlled key-fob or key-card system.

Wireless Access Points can be installed easily at each fiber termination point which will provide wireless access to the City internal network for employees, as well as public access to the internet over separate secured networks as currently used by the School District.

Water and Electrical meter readings can potentially be undertaken through strategically placed radio towers that transmit the collected data through the fiber network back to City servers. There could be a potential to partner with other utility companies, such as Fortis BC, on this project; however, initially this could be a costly project.

### CONCLUSION – THE PRESENT

With the initial phases of the fiber network completed, the City and School District have already realized several financial benefits in terms of internet connection and cost sharing, as well as, drastically improved network speeds, reliability, and redundancy.

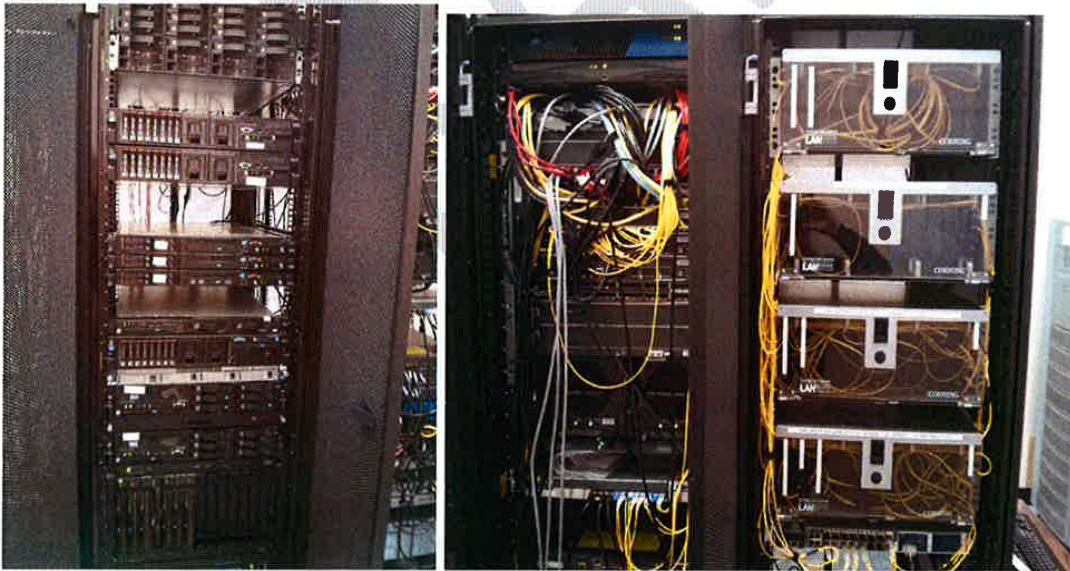
The City currently saves about \$24,000.00 per year on internet connection costs, compared to Shaw's previously proposed plan, for fiber alone. Shaw would have only connected 3 sites, while the City's own network provides services to 30+ sites.

The shared infrastructure in the data center provides good quality, reliable, redundant network gear to the City and School District and it makes it possible to offer this infrastructure to other organizations.

With the new Phone System in place, some phone lines will soon be able to be eliminated and fax lines will be reduced. Due to increased network speeds there is no more call quality issues on internal phone conversations.

The Water and Sewer Scada connectivity has greatly been improved and communication drop-off's are at an absolute minimum, while still using the old radio gear as a backup communication method.

The Electrical Scada connections have as well been upgraded to fiber and cable modems have been eliminated.



## Future Options – In Detail

### POTENTIAL SERVICES TO BE OFFERED

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The Data Center, Fiber Optic Network, and Server Infrastructure are the key assets in generating revenue.

The Data Center currently hosts the following services on servers and appliances within an air conditioned, isolated room with redundant power and fire suppression system.

- Email Servers
- Spam Filter
- Web Servers
- iSCSI and Fiber Channel SAN Storage
- Virtual Servers
- Clustered Servers
- Database Servers
- Backup Storage
- VoIP Phone System
- Centralized Faxing
- Wireless Management and access
- Rackspace

Most of these services can be offered individually without installing any fiber connections, but an increase in internet connectivity speed might be needed once the current link is saturated.

For best results, a fiber connection to the City fiber network is advised especially when using database and backup storage, rack space, and VoIP.

A majority of services can be bundled together as they are more commonly used by the typical client or end-user, while some of these same services might only be needed individually depending on the end-users needs.

Typical, the required services are: Spam Filtering, Email, Website Hosting, Virtual Server, and Backup.

### CALCULATIONS

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For the following cost summaries these values were used to calculate a total cost per service offered:

- Costs were calculated based on average life-span of equipment with current values
- All licensing, warranties and support contracts were included based on an average yearly cost.
- Any storage was calculated on a per GB rate, with 300GB minimum per client
- Phone system costs were calculated on a per phone rate
- Spam Filtering and Website Hosting was calculated on a per domain rate
- The client is responsible for their own licenses and network or phone hardware.

### SPAM FILTERING

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Spam filtering is a simple process of scanning email and forwarding it to an on-premise email server. Viruses, spam, or other junk mail does not even make it to the email server and hence reduces the amount of storage needed for email.

The setup and maintenance is very simple and can be done with gear already in place. It does not require a fiber connection to the client.

A charge as seen in Appendix C per domain per year is suggested if used as an individual service.

Within 1 year up to 10 domains could be running through this system in total. Once 15 domains or more are connected on an individual service basis, all costs associated with the Spam Filter are covered.

### WEB HOSTING AND DOMAIN NAME SYSTEM MANAGEMENT

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Like Spam Filtering, web hosting is extremely easy to set up and does not require a lot of maintenance on the server end. Web hosting is the process to use one server to host multiple website domains such as [www.GrandForks.ca](http://www.GrandForks.ca).

Domain Name System Management goes hand-in-hand with Web Hosting, Spam Filtering, and email hosting as it translates IP addresses to server and domain names such as [www.grandforks.ca](http://www.grandforks.ca) points to the server that hosts the City's website.

A charge as seen in Appendix C per domain per year is suggested for this service as an individual service.

It is very common for businesses and organizations alike to already have websites. At the moment only two businesses are looking to relocate their websites, but over time

## THE COMMUNITY FIBER OPTIC NETWORK

this service could potentially serve ten to twenty different domains with the current infrastructure. Once seven domains are hosted, all costs associated are covered.

### HOSTED STORAGE

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Hosted Servers and storage can be used for assorted items like Domain controllers, File and Print Servers, Email, backup, Virtual Servers, and Cloud Storage.

Hosted Servers are tricky to set up initially based on Virtual Networks and access rules, but once configured they work seamlessly as if the server is located on-site, while providing redundancy and backup through the infrastructure that's already in place. This is a very good scenario, when a fiber connection to the premise is used, as it then provides the high bandwidth required.

At minimum, the amount of storage should be based on 300GB for storage and backup of that server, the cost detailed in Appendix C does not including the cost of the fiber if required.

Besides the Gallery 2 and Library there are potentially two more organizations that are looking at this kind of option within Grand Forks without the need of fiber connectivity at this point.

### VOIP PHONES

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The initial installation for IP Telephony is fairly expensive for each individual business as it requires new phones, switches, servers, licensing, and routers. The City's and School District 51 phone system servers and licensing are already in place and would reduce the cost for each business to individually acquire their own system.

The initial installation takes time to prepare, configure, and install and can be very time consuming as users will have to be trained and the system has to be tested. Once the system is set, the regular maintenance on the system only requires patch installations on the server, and troubleshooting the occasional problem.

Larger installations, such as 10 phones or more, will require a fiber connection. Smaller installations need at least a Broadband Shaw connection.

A charges as seen in Appendix C per phone per year covers all hardware and software licensing on the server end.

The current system is easily capable of hosting 500 phones, 250 of those spots are already taken up by the City's own phones and those of School District 51.

The VoIP system can especially benefit community organizations like the Gallery 2 and the Library as they have very old analog gear in place and are looking to replace their systems within a few years.

## THE COMMUNITY FIBER OPTIC NETWORK

There is a lot of smaller organizations in Grand Forks that have similar aging phone systems, so offering this kind of service to the business community could benefit the entire town as a whole, providing a good quality phone system at a reasonable rate.

### **RACKSPACE - COLOCATION**

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The joint data center has been described as, in many ways, "state-of-the-art". It has redundant air conditioning, dual power bus distribution system, a 30KVa UPS, Fiber and cable modem connectivity, power-bars with remote management, 32-port KVM with remote management, environment monitor, and an environmentally friendly gas fire suppression system.

Currently there are four 42U Rack's installed. One is used for the fiber cable management, one is used for switching and routing and internet facing devices, one is used for Servers and storage, and one is largely un-used. The room can have up to 5 more full size racks installed.

This is not very common in our area, but in Vancouver 2U of Rackspace with 100GB of data costs \$100.00 per month. Most organizations do not have the room for a big server room and often custodian closets are used instead. IT managers will quickly see the value of a well thought out server room as this, as they could be able to "move" some of their servers in without any construction on their own.

Even though this might not be top priority, this option needs to be available and further planned out as there are a few organizations in Grand Forks that could soon benefit from this.

### **INTERNET EXCHANGE**

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With the US Border so close, the City should continue to explore the feasibility of connecting to US fiber companies.

There are 2 Internet Exchanges to the West in Vancouver. The closest one to the East is in Winnipeg. Internet Exchanges are locations where internet data crosses borders to connect to other locations in the world.

To enable a community like Grand Forks to have a competitive market with such an exchange could potentially attract bigger companies to set up datacenters as space and energy are relatively inexpensive in this area versus, for example, Vancouver.

### FIBER HOOKUP

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#### INITIAL CONNECTION

Most organizations along the route of the fiber network can be connected for up to a maximum of \$10,000.00 depending on the distance to splice points, entrance to the building, and out of town expenses for the fiber installers. The initial connection costs will be higher if the organization is not along the fiber route.

#### DEDICATED HOOKUP

A dedicated hookup could be used for a single service provided, for example, a connection to the phone system. This would be a 50% cost savings compared to a Full Hookup. Charges would be increased when other services are required. The charges per year for a dedicated hookup are detailed in Appendix C and would commence once the initial install is complete. It is a requirement for larger organizations to use the data storage capabilities or phone systems servers at the data center efficiently.

#### FULL HOOKUP

The charges for a Full hookup for multiple services is detailed in Appendix C. It would allow access to all services through a fiber connection and effectively removing any potential bandwidth bottlenecks.

### INTERNET SERVICE PROVIDER

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The City is not in a position to pursue a role as an ISP (Internet Service Provider) to provide TV, Internet and/or Telephone Services. For the best end-user experience a partnership with an Internet Service Provider and the City should be considered. The City could lease part of the current dark fiber infrastructure to an already established ISP which has the technical crews and 24/7/365 support already available. This option should be explored more in detail in the spring of 2014 and possibly later on again in conjunction with the Columbia Basin Broadband Corporation options available to the region.

## RECOMMENDATIONS - FIBER OPTIC NETWORK PLAN

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1. As of January 2014 offer:
  - a. Spam Filtering
  - b. Email hosting
  - c. Web hosting
  - d. Virtual Servers
  - e. Storage
  - f. Backup

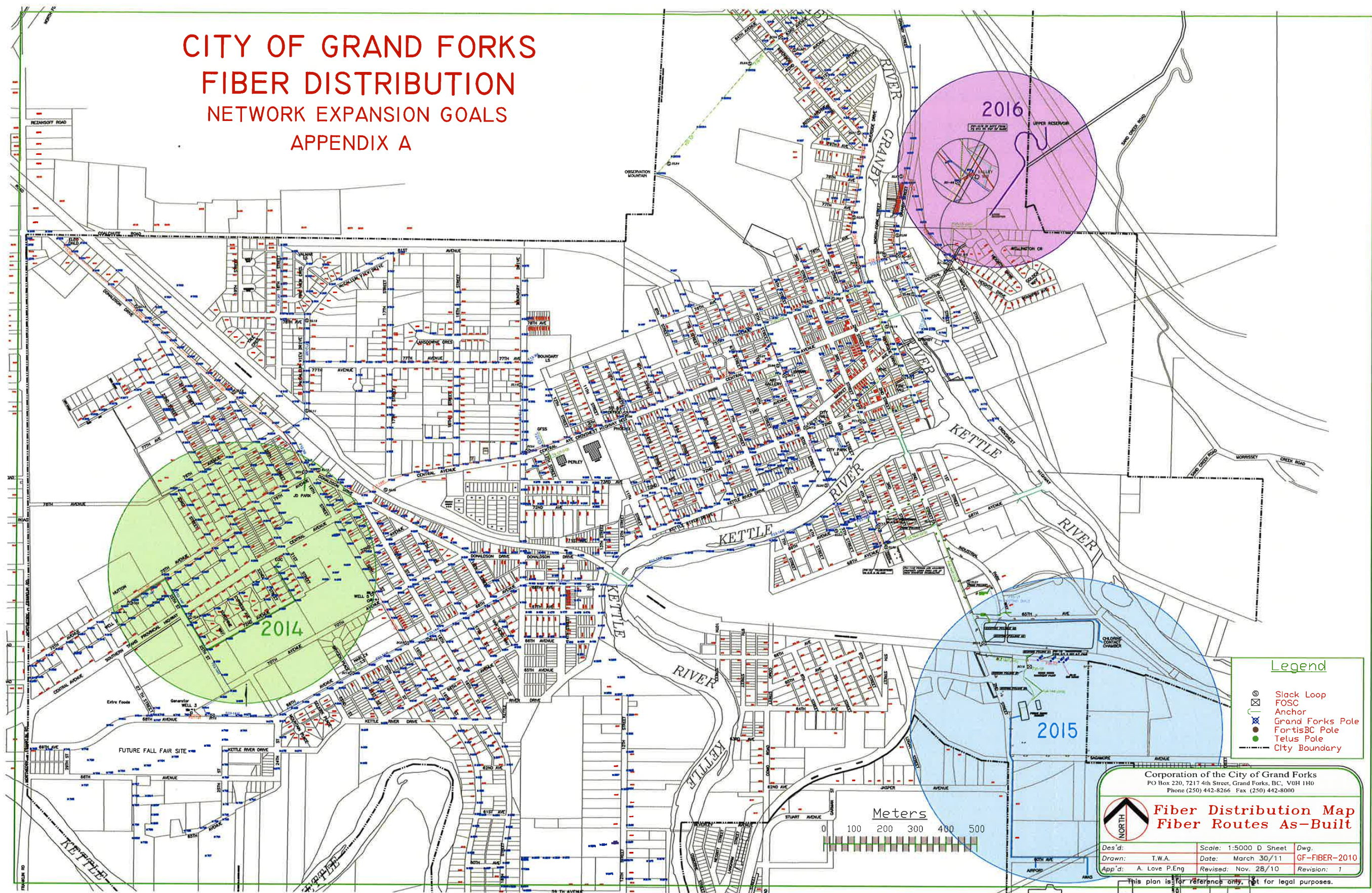
A lot of potential clients can obtain these services without the need for a fiber connection.

2. In spring 2014, offer fiber connections focusing on dedicated hookups for larger clients (10 plus computers/phones) to eliminate bandwidth issues from the premises to the server room.
3. In 2014, continue to expand the Fiber Optic and Wi-Fi Network to fortify economic development based on the Sustainable Community Plan via a contractor.
4. In the summer of 2014, investigate a partnership with an ISP to provide Internet, TV, and phone services as a package through the fiber optic network to businesses and potentially residential users. Seek expression of interest for leasing of fiber network to provide services through fiber.
5. In 2015/2016, Investigate the Internet Exchange option and offering rack space for co-locating server gear.

## Appendix A

### Map with Expansions

CITY OF GRAND FORKS  
FIBER DISTRIBUTION  
NETWORK EXPANSION GOALS  
APPENDIX A



## Appendix B

### Timeline, Goals, and Expansion Costs

**2014-2016**

[illegible]

Appendix C  
Financial Projections,  
Network Replacement Plan  
& Network Replacement Financial  
Projections

## Appendix C

### Financial Projections

	yearly	2015	2015	2016	2016	2017	2017	2018	2018	2019	2019	2020	2020
Service	Amounts	# Clients	Total	# Clients	Total	# Clients	Total	# Clients	Total	# Clients	Total	# Clients	Total
Spam filtering	\$300	8	\$2,400	10	\$3,000	12	\$3,600	15	\$4,500	15	\$4,500	15	\$4,500
Web Hosting	\$200	2	\$400	3	\$600	3	\$600	4	\$800	4	\$800	5	\$1,000
Email Hosting (up to 10 accounts)	\$400	0	\$0	1	\$400	1	\$400	2	\$800	2	\$800	2	\$800
Virtual Server Bundle	\$1,800	2	\$3,600	3	\$5,400	4	\$7,200	5	\$9,000	6	\$10,800	7	\$12,600
Virtual Storage 300GB	\$1,600	1	\$1,600	1	\$1,600	2	\$3,200	2	\$3,200	3	\$4,800	3	\$4,800
Phone Systems 7 phones	\$250	0	\$0	2	\$500	2	\$500	3	\$750	3	\$750	3	\$750
Dedicated fiber	\$3,000	0	\$0	0	\$0	1	\$3,000	2	\$6,000	3	\$9,000	3	\$9,000
Phone Systems 20 phones	\$700	0	\$0	0	\$0	1	\$700	2	\$1,400	2	\$1,400	2	\$1,400
Phone Systems 50 phones	\$1,750	0	\$0	0	\$0	0	\$0	0	\$0	1	\$1,750	1	\$1,750
Virtual Rack Space 2U	\$1,200	0	\$0	0	\$0	1	\$1,200	1	\$1,200	2	\$2,400	2	\$2,400
Virtual Rack Space 21U	\$6,000	0	\$0	0	\$0	0	\$0	1	\$6,000	1	\$6,000	1	\$6,000
Total per year			\$8,000		\$11,500		\$20,400		\$33,650		\$43,000		\$45,000

Revision:

1

Date:

January 15, 2014

## **Appendix C**

### **Projection for Equipment Replacement**

	<b>SD PLNet Contract</b>	<b>Accumulative Balance</b>	<b>Expenses</b>	<b>Possible City &amp; SD Contribution</b>	<b>Running Total</b>
As at June 30, 2013	20,961				
2014	15,000	35,961	5,000		30,961
2015	15,000	50,961	6,000		39,961
2016	15,000	65,961	52,000	20,000	22,961
2017	15,000	80,961	21,000		16,961
2018	15,000	95,961	150,000	130,000	11,961
2019	15,000	110,961			26,961
2020	15,000	125,961	10,000		31,961
2021	15,000	140,961	20,000		26,961
2022	15,000	155,961	128,000	100,000	13,961
2023	15,000	170,961			28,961
2024	15,000	185,961			43,961
2025	15,000	200,961	50,000	10,000	18,961
2026	15,000	215,961			33,961
2027	15,000	230,961			48,961
2028	15,000	245,961			63,961
2029	15,000	260,961			78,961
2030	15,000	275,961	35,000		58,961
<b>Totals</b>			<b>477,000</b>	<b>260,000</b>	

Unless we get additional revenue over the next 8 years we will have to contribute \$130,000 each  
We each should budget 16,250 per year

Revision: 1  
Date: January 15, 2014

Appendix C  
Network Replacement Plan

Position	Device	Serial Number	Asset Number	Description	Owner	Cost	Purchased	PO Number	Replacement Date	Notes	2014	2015	2016	2017	2018	2019	2020	2021	2022	2025	2030	
Rack 2	Mergepoint Unit 2032			Datacenter server KVM device	SD51/CGF	7,243.00	22/11/2012	2812034	July 1, 2020								7,243					
Rack 2	Cyclades ALS006			Datacenter serial KVM device	SD51/CGF	979.00	04/09/2008	288036	July 1, 2016				979									
Rack 2	Cisco Catalyst C6509 Chassis	SSMG1347N09P	1093	Main datacenter head end switch chassis	SD51/CGF	5,727.00	22/03/2010	IN57431	July 1, 2018						5,727							
	1) Blank																					
	3) Cisco WS-X6748-GE-TX			48 port Copper Cat6 10/100/1000	SD51/CGF	10,356.38	01/06/2011	2810080	July 1, 2018						10,356							
	3) Cisco WS-X6748-GE-TX	SSAL1407B3AX		48 port Copper Cat6 10/100/1000	SD51/CGF	10,177.00	22/03/2010	IN57431	July 1, 2018						10,177							
	4) Cisco WS-X6724-SFP	SSAL13506AD5		24 port SFP ports for fiber	SD51/CGF	10,177.00	22/03/2010	IN57431	July 1, 2018						10,177							
	5) Cisco VS-S720 Supervisor Card	SBUNDLE95018794		Supervisor card	SD51/CGF	22,908.00	22/03/2010	IN57431	July 1, 2018						22,908							
	6) Cisco VS-S720 Supervisor Card	SSAL1406AKYD		Supervisor card	SD51/CGF	22,908.00	22/03/2010	IN57431	July 1, 2018						22,908							
	7) Cisco WS-X6748-SFP			48 port SFP ports for copper/fiber	SD51/CGF	18,650.00	01/06/2011	2810080	July 1, 2018						18,650							
	8) Blank																					
	9) Blank																					
	10) Cisco 2 x 6000W power supply			Power Supplies for main switch	SD51/CGF	6,030.00	22/03/2010	IN57431	July 1, 2018						6,030							
Rack 2	Cisco 5500 Wireless Controller			Radius server authentication kit	SD51/CGF	40,507.00	22/03/2010	IN57431	July 1, 2018						40,507							
Rack 2	Cisco 2960G 24 port switch			SWSSD5101 - Datacenter Network Traffic Control	SD51/CGF	2,345.00	30/06/2011	2810096	July 1, 2021									2,345				
Rack 3	IBM 2498 SAN Controller	109252T		VM Cluster Fiber Channel SAN Controller	SD51/CGF	4,191.00	02/10/2009	289034	TBD													
Rack 3	IBM 1726 SAN	13K0KYC		VM Cluster SAN storage	SD51/CGF	13,894.00	02/10/2009	289034	TBD													
Rack 3	IBM 1726 SAN expansion			VM Cluster SAN storage expansion	SD51/CGF	6,886.00	02/10/2009	289034	TBD													
	IBM 600GB SAS 15K hot swap drives			Addon expansion drives	SD51/CGF	2,052.00	19/07/2011	2811005	TBD													
Rack 3	IBM x3550 M3 - 7944E3U	KQ22Y75		SVR-VM2 VM Cluster server	SD51/CGF	6,738.00	22/03/2011	2810050	July 1, 2017					6,738								
Rack 3	IBM x3550 M3 - 7944E3U	KQ22Y76		SVR-VM3 VM Cluster server	SD51/CGF	6,738.00	22/03/2011	2810050	July 1, 2017					6,738								
Rack 3	IBM x3550 M3 - 7944E3U	KQ4612R		SVR-VM4 VM Cluster server	SD51/CGF	6,620.00	30/06/2011	2810095	July 1, 2017					6,620								
Rack 3	Cisco UCS C200 M2	QC11514A53I		Enterprise UCS Phone server 1 of 2	SD51/CGF	7,893.16	30/03/2011	2810060	July 1, 2021									7,893				
City Hall	Cisco UCS C200 M2	QC11514A53I		Enterprise UCS Phone server 1 of 2	SD51/CGF	7,893.16	30/03/2011	2810060	July 1, 2021									7,893				
Rack 3	Avocent ECS17PWRSCS-001	460001936		Datacenter KVM console	SD51/CGF	1,037.00	12/03/2010	IN57333														
Rack 3	IBM x3650 - 7979EHU	KQGKLHT		SVR-RHVM - Red Hat VM server for Web services	SD51/CGF	5,150.00	07/01/2009	288076	July 1, 2015			5,150										
Rack 4	IBM 2498 SAN Controller			VM Cluster Fiber Channel SAN Controller	SD51/CGF	3,561.23	18/03/2011	2810057	TBD													
525 Datacenter	Liebert NX 30kVA UPS	38-6456		Datacenter UPS	SD51/CGF	27,450.00	22/03/2010	INV31307	July 1, 2025	batteries - 01/07/2014	4,500									27,450		
525 Datacenter	Cisco GLC-LH-SM GBIC SFP x 30			Fiber transceiver modules for datacenter	SD51/CGF	18,000.00	22/03/2010	INV31307	N/A													
525 Datacenter	IBM 93074RX-42U standard rack	S23X7336		Datacenter server rack	SD51/CGF	1,390.00	22/03/2010	INV31307	N/A													
525 Datacenter	IBM 93074XX-42U standard rack	S23AA893		Datacenter server rack	SD51/CGF	1,230.00	22/03/2010	INV31307	N/A													
525 Datacenter	IBM 93074XX-42U standard rack	S23AA967		Datacenter server rack	SD51/CGF	1,230.00	22/03/2010	INV31307	N/A													
525 Datacenter	Liebert 3 ton A/C units			Datacenter Environment support	SD51/CGF	29,150.00	22/03/2010	IN57434	July 1, 2030												29,150	
525 Datacenter	Busway B100A			Datacenter rack power distribution tracks	SD51/CGF	6,459.00	22/03/2010	INV31306	N/A													
525 Datacenter	Fire suppression system			Non Halon gas system	SD51/CGF	19,869.00	22/03/2010	4347	July 1, 2025											19,869		
525 Datacenter	Avocent PM3002V 42U power	0270148862		Rack power distribution	SD51\CGF	1,371.00	10/03/2010	IN57283	July 1, 2030												1,371	
525 Datacenter	Avocent PM3002V 42U power	0270146352		Rack power distribution	SD51\CGF	1,371.00	10/03/2010	IN57283	July 1, 2030												1,371	
525 Datacenter	Avocent PM3002V 42U power	0270148863		Rack power distribution	SD51\CGF	1,371.00	10/03/2010	IN57283	July 1, 2030												1,371.00	
GFSS	Nimble CS240 24TB SAN			i-SCSI SAN	SD51	63,342.00	18/10/2012	2812028	July 1, 2022	25,000 addition 2016			25000						63,342			
Rack 4	Nimble CS240 24TB SAN			i-SCSI SAN	CGF	63,342.00	04/12/2012	2812042	July 1, 2022	25,000 addition 2016			25000						63,342			
TOTALS											4,500	5,150	50,979	20,096	147,440	7,243	18,131	126,684	47,319	33,263	460,806	
50/50 Cost Share											2,250	2,575	25,490	10,048	73,720	-	3,622	9,066	63,342	23,660	16,632	230,403

Revision: 1  
Date: January 15, 2014

## Appendix D

### Overview of Technology Services

## Appendix D - Overview of Technology Services

### Service Suite #1 (No Fiber Needed)

- Spam Filtering
- Web Hosting
- Email Hosting
- DNS Hosting/Management

These solutions can be made available for everyone at once as no fiber connectivity is required

### Service Suite #2 (No Fiber Needed)

- Same as Suite #1
- Small Phone systems (up to 10 phones)
- Virtual Servers
- Virtual Remote Desktops
- Storage Space
- Backup

More planning is needed for implementations, however for small networks no fiber should be needed

### Service Suite #3 (With Dedicated Fiber)

- Same as Suite #1
- Large phone systems (10+ phones)
- Server/Domain Hosting (10+ computers)
- More storage space
- More virtual servers and desktops
- Higher backup volume

For larger organizations with 10 or more devices a dedicated fiber trunk to the server room should be installed.

### Typical Internet Service Provider Offerings

- Internet
- Telephony
- TV

Usually requires large corporation to support Service Level Agreements for Tech Support and Line Maintenance Crews, most with 24/7/365 availability

—Contract out / lease fiber to

### ISP

- Telus
- Shaw
- Bell
- Rogers
- CBBC partner
- Others

Primary issues to resolve would be the "last mile connectivity" and Service Level Agreements with Provider

### Phone Services (Detailed)

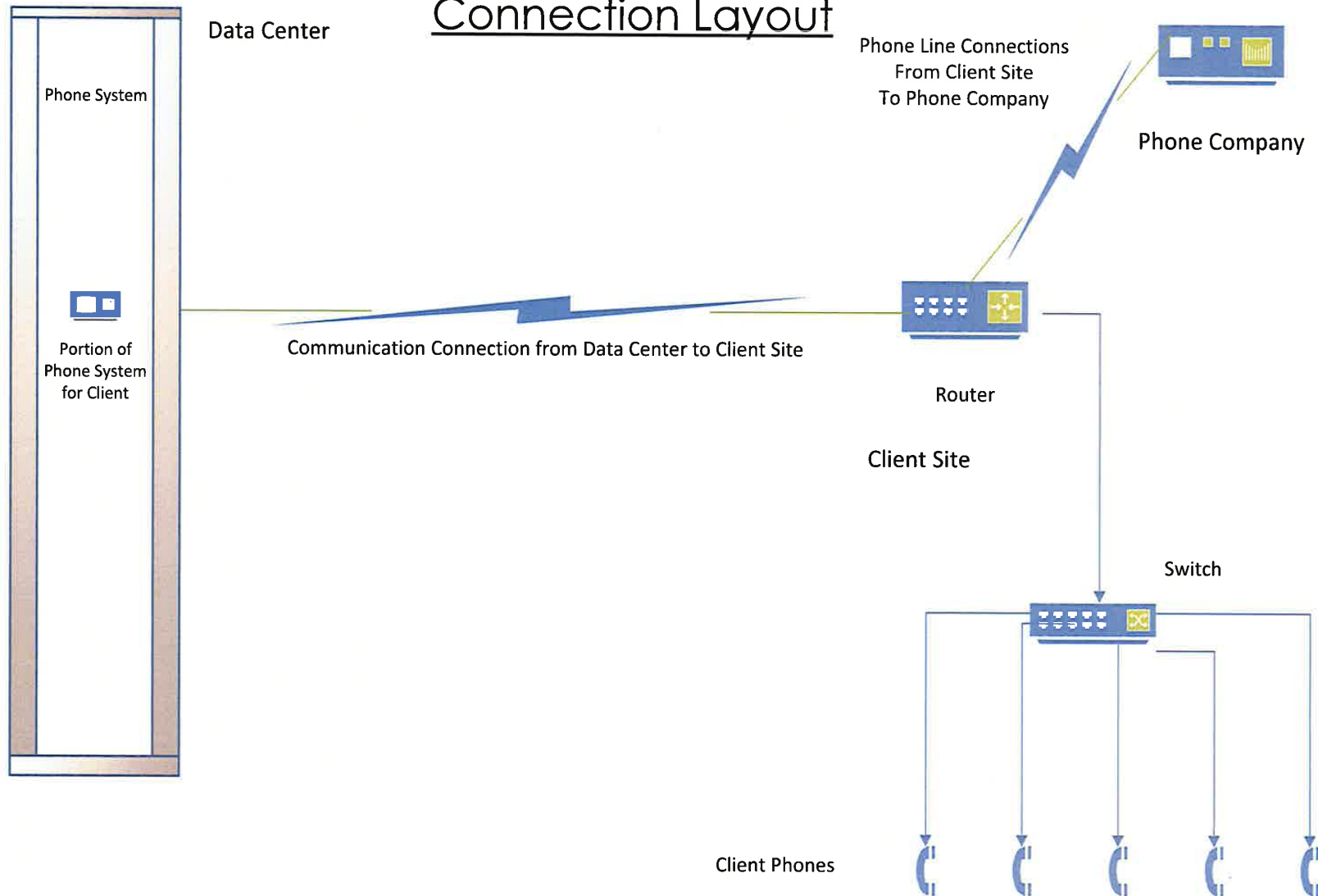
- Voicemail
- Conferencing
- Call Routing
- Dial Pool Management
- Web conferencing
- Phone System Server upgrade
- Software upgrades
- Firmware upgrades
- etc

The City will not provide connectivity to a telephone company, only management services of the system in general

## Appendix E

### Typical Phone System Connection Layout

## Appendix E Typical Phone System Connection Layout



## Appendix F

### Network Speeds / Bandwidth

## **Appendix F**

### **Network Speeds / Bandwidth**

Unit	Abbreviation	Equivalent	Typical Connection
Bits per second	bps	Basic Unit of bandwidth	
Kilobits per second	kbps	1,000 bps	Dial up modem uses 28.8kbps -56kbps
Megabits per second	Mbps	1,000 kbps / 1,000,000 bps	ADSL and Cable internet 1.5Mbps - 250Mbps
Gigabits per second	Gbps	1,000 Mbps / 1,000,000 kbps / 1,000,000,000 bps	Internal Networks 1Gbps - 10Gbps

In the 1990's a 56K Modem was the normal connection for a home user for basic web browsing and email. However, since then the demand by users has exponentially increased. A High Speed ADSL or Cable internet connection is a necessity for services such as Skype, Netflix, Hulu, YouTube and even simple web browsing requires these several Mbps connections as it would otherwise take hours to download a simple YouTube video clip.

For Businesses an internal network of 1Gbps is the norm these days. This network speed adequately allows for centralized storage, Voice over IP phones, Video calling, Cloud Storage, large file downloads, database access

## Appendix G

### Agreements

**FIBRE OPTIC CABLE NETWORK**

**JOINT USE AGREEMENT**

(this "Agreement") dated for reference the 4 day of July, 2013,

**BETWEEN:** THE CITY OF GRAND FORKS

7217 4<sup>th</sup> Street

Box 220

Grand Forks, B.C.

VOH 1H0

(the "City")

**AND:** THE BOARD OF EDUCATION OF  
SCHOOL DISTRICT NO. 51 (BOUNDARY)

1021 Central Avenue

Box 640

Grand Forks, BC

VOH 1H0

(the "School District")

**WHEREAS:**

- A. The City is a local government established pursuant to the *Community Charter* SBC 2003 c.26 having jurisdiction and authority over governance within its geographic area; and

- B. The School District is a school board established pursuant to the *School Act* RSBC 1996 c. 412 with responsibility for matters as set out in the *School Act* within its jurisdiction; and
- C. Section 98(2) of the School Act authorizes a school board to enter into an agreement with a local government for the purposes of constructing, maintaining, operating or using jointly, or contributing to the cost of construction, maintenance or operation of facilities for joint school board and community use; and
- D. In August 2009 the City entered into an agreement (the "**WED Contract**") with Her Majesty the Queen in right of Canada, as represented by Western Economic Diversification ("**WED**"), for WED Network No.: 6981, pursuant to which funding was obtained for development of a community fibre optic cable network to serve the City, the School District and potentially other users along the main distribution system in Grand Forks and in other regional jurisdictions (the "**Network**"); and
- E. The City and the School District (collectively, the "**Parties**" and individually a "**Party**") entered into a Memorandum of Understanding dated December 15, 2010 (the "**MOU**") regarding the planning and development of the Network; and
- F. The Network has been developed and is operational, funded in part by a grant pursuant to the WED Contract, grants received by the School District, plus each of the City and the School District contributing additional funds;

NOW THEREFORE, in consideration of the foregoing and the mutual promises in this Agreement, the Parties hereto agree as follows:

**PART A**  
**OPERATION OF THE PROJECT**

**1.0 Purposes**

- 1.1 The purpose of this Agreement is to provide for the Parties to share their available resources and expertise to efficiently and economically develop and operate a fibre optic cable network for joint school board and community use, to leverage capacity and improve internet speed, access and internal communication services.
- 1.2 The Parties confirm that they have each contributed to the capital costs of the Network as previously agreed, that they will make future contributions to capital costs of the Network as may be agreed pursuant to this Agreement, and that they will each contribute to the operating costs of the Network on a fair and reasonable basis determined as provided in this Agreement.
- 1.3 The Parties intend to offer Network access to third party users to generate revenue to offset Network costs and eventually cover operating expenses and create a capital replacement fund. The Parties do not intend to profit from each other's use of the Network.

- 1.4 The Parties intend that the Network be jointly managed and operated by the Parties on a consensus basis.
- 2.0 **Governance of Relationship**
- 2.1 Pursuant to the MOU, the Parties established a Steering Committee for the Network (the "Steering Committee"), comprised of the Superintendent of Schools and Secretary Treasurer or designates representing the School District, and the Chief Administrative Officer and Chief Financial Officer or designates representing the City. The Steering Committee shall continue to operate on a consensus model to oversee and resolve issues associated with day to day operations and mutual long term plans for the Network. As those mutual plans may change over time, this Agreement may either be amended or replaced with a new agreement. The Steering Committee may from time to time by consensus determine and document its own governing rules and procedures, subject always to the provisions of this Agreement.
- 2.2 If an issue relating to the Network or this Agreement remains unresolved for more than 90 days after one of the Parties has notified the Steering Committee of the issue in writing, then either Party may refer the issue in writing (the "Executive Referral") to the Chair of trustees of the School District and the Mayor of the City, or their designates, for resolution by agreement. If either Party requests mediation of the issue at that stage, then the Parties shall participate in mediation in good faith. It is the mutual intention of the Parties to resolve any issues without recourse to adverse publicity or court proceedings. If an issue is still not resolved within 60 days after an Executive Referral, then either Party may refer the issue to arbitration under the B.C. *Arbitration Act*, the appointing authority will be the British Columbia International Commercial Arbitration Centre (the "BCICAC"), the process will be governed by the Shorter Rules for Domestic Commercial Arbitration of the BCICAC, and both Parties will be bound by the arbitration decision.
- 3.0 **Future Governance**
- 3.1 Either Party may request that the Network be governed by a separate legal entity to be created by the Parties, by mutual agreement and at their joint cost, in order to allow the Network to be operated at arm's length from the Parties. In that event, the Parties will work co-operatively in good faith to determine whether it would be in their mutual benefit to create a separate legal entity to govern the Network, and the terms on which the Network would be governed.
- 3.2 If the Parties agree to establish a separate legal entity to govern the Network, then each of the Parties shall have the right to appoint an equal number of governors, directors or trustees, as the case may be, to manage, operate and maintain the Network.

4.0 **Ownership, Repair and Maintenance of the Network Components**

4.1 The Parties agree that:

- (a) the Network is comprised of fibre optic cable and equipment that is located on or about lands owned by the City, and equipment located on or about lands owned by the School District, all of which will be used jointly by the Parties while this Agreement is in effect;
- (b) the City owns and will retain ownership of the fibre optic cable, any equipment used jointly by the Parties for the Network that is located on or about City lands, and any equipment used jointly by the Parties for the Network that is located on or about School District lands and that the School District has acknowledged in writing is exclusively owned by the City (collectively, the "Fibre and Joint Equipment");
- (c) the City owns and will retain ownership of any equipment used exclusively by the City that is located on or about School District lands and that the School District has acknowledged in writing is exclusively owned by the City (the "City Equipment");
- (d) the School District owns and will retain ownership of all other equipment located on or about School District lands that is used jointly by the Parties for the Network (collectively, the "School District Joint Equipment"), or that is used exclusively by the School District; and
- (e) the School District further acknowledges that the WED Contract imposes ownership requirements on the City and agrees that to the extent anything set out in this Section 4.1 is inconsistent with the WED Contract, the WED Contract shall apply, provided that:
  - (i) the School District shall not be required to transfer ownership of any property to the City unless the property is listed on Schedule A attached hereto and the transfer is specifically requested by WED to comply with the WED Contract;
  - (ii) any requirement to transfer property listed on Schedule A shall apply only to the original property acquired prior to the date of this Agreement, and shall not apply to any replacement property acquired after the date of this Agreement; and
  - (ii) notwithstanding any such transfer of ownership, while this Agreement is in effect, the City shall not transfer or otherwise dispose of any such transferred property and each of the City and the School District shall continue to be entitled to access and use all components comprising the Network including, without limitation, such transferred property, and all provisions of this Agreement other than the ownership provisions shall continue to apply in respect of such transferred property as if it had not been transferred.

- 4.2 The City will be responsible for insuring the Fibre and Joint Equipment and the City Equipment to its full replacement value. The School District will be responsible for insuring the School District Joint Equipment to its full replacement value.
- 4.3 The City will be responsible for the proper and timely repair and maintenance of the Fibre and Joint Equipment. The School District will be responsible for the proper and timely maintenance and repair of the School District Joint Equipment. Each of the Parties will prepare and forward to the Steering Committee an annual budget for repairs and maintenance of its Network components.
- 4.4 The Parties will contribute to each other's costs to insure, repair and maintain shared components of the Network on such fair and reasonable basis as may be determined by the Steering Committee in advance from time to time, having regard to the relative needs and resources of the Parties.
- 4.5 The Parties will each provide to the other and their staff, contractors and consultants access to all portions of their lands and buildings at all reasonable times to carry out such inspections, repairs and maintenance as may be necessary or advisable in connection with the Network, subject always to such reasonable rules regarding safety, security and insurance coverage as each Party may set and communicate from time to time regarding access to its lands and buildings.
- 4.6 The Steering Committee will establish a contingency fund for Network repairs and maintenance to reduce the risk of Network service interruptions. The Parties will determine annually by agreement what contributions they will each make to the contingency fund. Contributions will also be made from any available Network revenue. Withdrawals from the contingency fund will require approval of the Steering Committee.
- 5.0 **Capital Contributions and Network Expansion**
- 5.1 The Parties agree that, except as may be expressly agreed in writing, neither Party is obligated to contribute to future capital costs for expansion of the Network.
- 5.2 The Parties will work co-operatively towards exploring, to their mutual benefit and to further the objectives of the Network, seeking future additional capital grants from senior governments, their agencies and other analogous entities.
- 5.3 The Parties will consider opportunities for the Network to provide service to other analogous users, such as other local governments in the region or other Institutional users, to generate additional revenue to offset Network operating costs and contribute to a capital replacement fund. Except as may otherwise be agreed in writing, all revenue from users other than the Parties will be considered joint revenue to be applied to joint expenses or divided equally between the Parties.

- 5.4 The Parties will also through the Steering Committee work cooperatively with respect to future Network equipment needs such as VOIP, backup software, firewalls, spam filters, email software and servers, and web servers, to determine if working together as part of the Network is to their mutual advantage in connection with such items, with costs to be shared on a formula to be determined by the Steering Committee, on a case by case basis.
- 5.5 If either Party has a new site that it wishes to bring online to the Network, and the needs are exclusive or specific to that Party, then that Party shall be responsible for all costs of that expansion of the Network, unless otherwise agreed in writing.
- 6.0 **Staffing and IT Support**
- 6.1 The School District will through its IT department provide technical support to the Network, subject to the Steering Committee determining a fair and reasonable basis for the School District to be compensated for that support.
- 6.2 The Steering Committee will have the authority, subject to ensuring appropriate funding is in place, to retain consultants for technical, workload needs or other purposes in connection with the Network.
- 7.0 **Utilization of School District's Back-Up Server Room**
- 7.1 The back-up server room for the Network is located in the School District's office at Grand Forks Secondary School. Equipment owned by the School District and located in the back-up server room that is not jointly used by the Parties in the Network shall not be considered part of the Network, and any revenue or costs associated therewith shall not be subject to sharing under this Agreement.
- 7.2 If any additional back-up rooms are required for the Network, then the Parties will consider locating them in School District buildings. The costs associated with any additional back-up rooms will be shared equally by the Parties, unless agreed otherwise.
- 8.0 **Utilization of City Infrastructure**
- 8.1 As the City is the owner of an electrical utility, including existing power poles, transmission lines and pole networks, the Network has been completed using existing City power poles for the fibre optic network. The City power poles, transmission lines and ancillary equipment not directly required for fibre optic signal transmission shall not be considered part of the Network, and any revenue or costs associated therewith shall not be subject to sharing under this Agreement.
- 9.0 **Licensing**

9.1 To the extent that any license is required, from the CRTC or any other regulatory authority, for the lawful operation of the Network, the City shall obtain such licensing in its name, on behalf of the Network.

**10.0 Termination of Joint Use of the Network**

10.1 Either Party may terminate these arrangements for joint use of the Network, on at least two years' prior written notice, or such longer period as is reasonably required to allow each Party to make transitional arrangements and replace necessary services.

10.2 Upon any termination of the Parties' joint use of the Network:

- (a) the City will retain ownership and exclusive use of the fibre optic cable strung on City poles and of any equipment located on or about School District lands that the School District has acknowledged in writing is exclusively owned and used by the City; and
- (b) the School District will retain ownership and exclusive use of any other equipment on or about lands owned by the School District;

In either case without any compensation or adjusting payment between the Parties. Prior to such termination, the City shall at its own risk and expense remove from School District lands any of its equipment referenced in subsection 10.2(a) above and make good any damage caused thereby.

10.3 The City represents and warrants that it is not in default of its obligations under the WED Contract, including those relating to ownership and use of capital assets. If any provision of this Agreement conflicts with any obligation of the City under the WED Contract, then the City shall at its own expense obtain such consent from WED, or procure replacement equipment for the School District at the City's expense, to the extent required to give effect to this Agreement without violating the requirements of the WED Contract.

**PART B**

**GENERAL MATTERS**

**11.0 General**

**11.1 Term**

This Agreement shall commence on the date first written above and shall terminate as provided herein or as may be agreed to by the Parties in writing by way of addendum hereto.

**11.2 Costs**

Each Party shall be responsible for their respective costs incurred in fulfilling their obligations under this Agreement, except that the Parties shall share equally the legal costs incurred for the preparation of this Agreement.

**11.3 Community Involvement**

The Parties believe that it is important that the community be involved in the development and operation of the Network, to maximize the benefits to all residents, businesses and government bodies or agencies of the region, who could utilize or benefit from the Network.

**11.4 No Joint Venture, Partnership or Trust**

Nothing contained in this Agreement shall be construed to place the Parties in the role of partners or joint venturers or agents or trustee and beneficiary, and neither Party shall have the power to obligate or bind the other Party in any manner whatsoever.

**11.5 Assignment**

Either Party (the "Assignor") may assign all but not less than all of its interest in this Agreement to a successor by statutory reorganization or amalgamation or a wholly owned corporate subsidiary of the Assignor, upon that successor or subsidiary agreeing with the other Party in writing to be bound by the terms of this Agreement, provided that the successor or subsidiary owns or has the right to use all the assets required to fulfil the obligations of the Assignor hereunder. Neither Party may otherwise assign any or all of its interest in this Agreement except with the prior written consent of the other Party, not to be unreasonably withheld.

**11.6 Further Assurances**

The Parties agree to execute and deliver such additional documents and shall provide such additional information as may be required to carry out the terms of this Agreement.

**11.7 Governing Law**

The Parties agree that this Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada.

**11.8 Notices**

Any notices or other communication which may be or is required to be given or made pursuant to this Agreement shall, unless otherwise expressly provided herein, be in writing and personally delivered to or sent by facsimile to either Party at its address set forth below:

(a) If to:

**THE CITY OF GRAND FORKS**

7217 4<sup>th</sup> Street

Box 220

Grand Forks, B.C. V0H 1H0

Attention: Chief Administrative Officer

(b) If to:

**THE BOARD OF EDUCATION OF  
SCHOOL DISTRICT NO. 51 (BOUNDARY)**

1021 Central Avenue

Box 640

Grand Forks, B.C. V0H 1H0

Attention: Superintendent of Schools

**119 Entire Agreement**

This Agreement is the entire agreement and understanding between the Parties with regard to the Network and to the extent possible by law supersedes all prior discussions, understandings and agreements or expressions of opinion.

THE CITY OF GRAND FORKS )

by its authorized signatories: )

 )

Signature )

C/S

 )

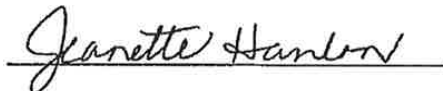
Name and Title: )

THE BOARD OF EDUCATION )

OF SCHOOL DISTRICT NO. 51 )

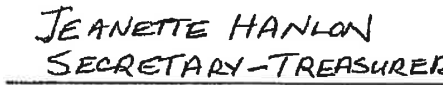
(BOUNDARY) )

by its authorized signatories: )

 )

Signature: )

C/S

 )

Name and Title: )

**SCHEDULE A**

**Property Owned by School District, Jointly Used with City  
and Subject to Transfer if Required by WED**

# Summary of Community Network Fibre Optic Project

Schedule A

Professional Services Relating to the Project	\$	98,773
Fiber and Install		520,008
Miscellaneous Items		31,748
Wages Relating to Fibre Install		50,381
Server Room Construction		119,178
Equipment		
UPS		30,126
Switch		184,210
Racks		12,263
<b>Total Project</b>	<b>\$</b>	<b><u>1,046,689</u></b>

## Contributions to the Project

WED Grant	\$	405,000
Community Connections Grant		125,000
City of Grand Forks Contribution		258,345
School District No. 51 Contribution		258,345
<b>Total Funding</b>	<b>\$</b>	<b><u>1,046,689</u></b>

Professional Services	Amount	Total	Description
Ken McKinnon - PO 4499	\$ 8,677.50		Site representative services
DAK Labour: extra hrs from Jan. - March 2010	\$ 1,500.00		extra hour from Jan. - Mar. 2010
School District #51 - PO 4486 Inv 3500C	\$ 16,451.74		PMG Engineering-fibre distribution design
School District #51 - PO 4486 Inv 3500C	\$ 1,540.38		School district technician time on project
A2B Fiber Inc. - PO 4299	\$ 1,200.00		Outside Plant Designer
Outside Plant Designer	\$ 340.00		Fibre Mgmt specialist
Fibre management specialist	\$ 150.00		Project coordinator
Project coordinator	\$ 330.00		Senior GIS Tech
Delmold Consulting - PO 4378	\$ 1,250.00		Engineering svcs for Feb. 2010
Delmold Consulting - PO 4454	\$ 10,000.00		Engineering & design for project
Delmold Consulting - PO 4544	\$ 635.96		Eng Services for part of August
McElhanney Assoc. - PO 4463	\$ 10,811.23		Engineering survey
Terry Andreychuk - PO 4466	\$ 12,041.51		Consulting, liaison, quality assurance
759817 ALBERTA LTD. - PO 4485	\$ 15,000.00		Design & project management
Fraser Milner - PO 4476	\$ 4,349.91		Tender & contract advise
Tender Lunch - Sasha's card	\$ 105.50		Lunch for 2nd tender meeting
Black Press 309966738	\$ 301.34		Advertising
Zimmer 10007 - PO 4445	\$ 327.93		Environmental site visits
Credit Union - Diane	\$ 67.15		lunch on Diane's card
D. Kemprud - Nov. 8/10 - PO 4598	\$ 1,935.00		Consulting
Telus - PO 4618	\$ 846.14		Investigate pole space
Omega	\$ 254.37		Food
Ken McKinnon - PO 4639	\$ 3,022.50		Site representative services
Murdy McAllister Inv 14181	\$ 85.47		Professional Services
Murdy McAllister Inv 14061	\$ 534.19		Professional Services
Hoefsloot Land Surveying - PO 4676	\$ 2,543.75		Surveying
Terry Andreychuk - PO 4704	\$ 2,696.36		Consulting
C/U Cuets - Diane	\$ 195.06		Diane's card
Drexler Consulting ( 2009 expense)	\$ 1,200.00		consulting
School Dist #51 - accrued Inv 3500D	\$ 380.20		Technician time on server room
		\$ 98,773.19	

Fiber & Install	Amount	Total	Description
Boundary Lift Station	\$1,413.00		Svc Drops - Boundary Lift Station
Phoenix	\$4,146.00		Svc Drops Duct - Phoenix
Perley School	\$4,130.00		Svc Drops Duct - Perley
Lower Reservoir	\$7,803.00		Svc Drops Duct - Lower Reservoir
Tension stringing	\$83,953.40		Chg Order #2 - Tension Stringing
M/ ready work - add work relocate Shaw cable	\$12,320.00		Chg Order #2 - relocate Shaw Cable
Tension Tagging - supply and install fiber tags	\$5,664.00		Chg Order #3 - Tension Tagging
Service Drop Overhead - RNC	\$5,500.00		Chg Order #4 - Svc Drop Overhead RNC
Service Drop Overhead - Granby Lift Station	\$2,830.00		Chg Order #4 - Svc Drop Overhead Granby Lift
Confined space duct pulling - GFSS - Perley	\$1,503.46		Chg Order #4 - confined space duct pull Schools
Duct Installation	\$39,634.40		Chg Order #5 - Duct installation
Pull Fiber in Duct	\$6,747.38		Chg Order #5 - Pull fiber in duct
Pull Boxes	\$1,716.00		Chg Order #5 - pull boxes
EWO#20262	\$2,021.54		Chg Order #6 - EWO 20262
EWO# 20273	\$800.00		Chg Order #6 - EWO 20273
EWO # 20272	\$3,351.15		Chg Order #6 - EWO 20272
EWO# 18720 & 18717	\$1,500.00		Chg Order #6 - EWO 18720 & 18717
EWO# 18716	\$948.83		Chg Order #6 - EWO 18716
EWO# 18714	\$996.80		Chg Order #6 - EWO 18714
EWO# 18713	\$6,141.58		Chg Order #6 - EWO 18713
EWO# 18709	\$506.12		Chg Order #6 - EWO 18709
Marlech non ref HST from cel N93	\$ 7,628.59		non refundable HST
Messenger Wire - install c/w down hauls guys	\$41,949.34		messenger Wire
Anchors - supply and install	\$10,106.00		Anchors - supply and install
Aerial Fiber - install	\$57,814.06		Aerial Fiber - install
Direct Buried Fiber - install	\$1,225.84		Direct Buried Fiber - install
FOSC - supply and install	\$19,242.00		FOSC - supply and install
Fiber Splicing	\$6,208.00		Fiber Splicing
Testing & Commissioning	\$12,500.00		Testing & Commissioning
Mobilization/Demobilization	\$12,534.00		Mobilization/Demobilization
School District Office	\$2,262.00		Svc Drops - School District Office
Grand Forks Secondary School	\$3,462.00		Svc Drops - GF Secondary School
Well #2	\$1,329.00		Svc Drops - Well 2
Well #3	\$1,605.00		Svc Drops - Well 3
Well #4	\$1,407.00		Svc Drops - Well 4
MRLX Marlex Lift Station	\$1,467.00		Svc Drops - Marlex Lift Station
Hutton School	\$6,116.00		Svc Drops - Hutton School
525 Central Ave	\$8,629.00		Svc Drops - 525 Central Ave
Art Gallery	\$1,976.00		Svc Drops - Art Gallery
Library	\$1,132.00		Svc Drops - Library
City Hall	\$1,030.00		Svc Drops - City Hall
Fire Hall	\$1,467.00		Svc Drops - Fire Hall
Wastewater Treatment Plant	\$2,318.00		Svc Drops - WWTP
Public Works	\$3,485.00		Svc Drops - Public Works
School District Bus Garage	\$3,267.00		Svc Drops - School Bus Garage
Industrial Lift Station	\$1,704.00		Svc Drops - Industrial Lift Station
Valley Heights Booster Station	\$2,033.00		Svc Drops - VH Booster Station
Val Mar Lift Station	\$4,459.00		Svc Drops - Val Mar Lift Station
Donaldson Electrical	\$1,522.00		Svc Drops - Donaldson Electric
City Park Lift Station	\$3,369.00		Svc Drops Duct - City Park Lift Station
Ruckles Substation	\$997.00		Svc Drops Duct - Ruckles Substation
Fiber LC Terminations	\$21,060.00		Fiber LC Terminations
Anixter - PO 4351	\$ 36,637.89		372 Cor8.3 LTD 144 Sgl Mode Aerial
372 Cor8.3 LTD 144 Sgl Mode Aerial	\$ 2,782.50		372 Cor8.3 LTD 144 Sgl Mode Aerial
372 Cor8.3 LTD 36, Sgl Mode Aerial	\$ 4,850.48		372 Cor8.3 LTD 36, Sgl Mode Aerial
372 Cor8.3 LTD 12, Sgl Mode Aerial	\$ 2,007.70		372 Cor8.3 LTD 12, Sgl Mode Aerial
372 Cor8.3 LTA 12 Sgl Mode Armored	\$ 944.88		372 Cor8.3 LTA 12 Sgl Mode Armored
372 CorB 3 LTD 144 Sgl Mode Aerial	\$ 8,819.20		372 CorB 3 LTD 144 Sgl Mode Aerial
Anixter - PO 4368	\$ 22,935.19		5/16 Messenger wire
Anixter - PO 4646	\$ 2,300.02		single mode aerial fiber for project
		\$ 520,008.35	

Miscellaneous	Amount	Total	Description
AXIS Technical Services - PO 4659	\$ 2,338.21		Cables & patch cords
DAK Computer Services	\$ 620.68		cables for fibre project- firehall
K2 Electric - PO 4370	\$ 1,516.05		335 Class 3 - 35 ft poles
Y&R Water	\$ 153.11		hose, clamp, nipple
DG MacLachlan 405006	\$ 137.77		Adapter knob
ACE Courier 1842230	\$ 15.53		Courier services
Boundary Electric	\$ 203.50		Delivery of electrical pull boxes
Lime Creek Logging Inv 104995 - PO 4614	\$ 1,790.79		Concrete for roadway crossings
Inventory used: poles & anchors	\$ 2,327.84		4 poles, 4 anchors School Bus Garage
Inventory used: poles & anchors	\$ 153.22		2 anchors - River Crossing City Park
Mid Nytes Towing	\$ 130.24		moving of cars
Boundary Electric #74182	\$ 46.26		conduit
Boundary Electric # 74213	\$ 19.70		plate low voltage metal
Boundary Security Services	\$ 61.05		moving security system
HD Supply - PO 4705	\$ 5,443.63		Synartech boxes
Lime Creek Logging Inv 206809	\$ 648.66		Concrete
Boundary Electric 75391	\$ 41.65		conduit
Boundary Electric 75408	\$ 18.43		copper junction box
Guillevin Int'l 418500783	\$ 234.01		ty rap prom
Power Paving Inv 2278 - PO 4793	\$ 15,847.44		Asphalt work at various locations
		\$ 31,747.77	
<b>Wages</b>			
Wages	\$ 24,270.94		Wages
Fringe	\$ 10,303.66		Fringe
Payroll Equipment	\$ 12,315.00		Payroll Equipment
City of GF ( 2009 expenses)	\$ 540.00		Payroll Equip
WCB - 4th Quarter 2010	\$ 153.59		WCB - 4th Quarter
1044162839-WCB 1st Quarter	\$ 58.33		WCB - First Quarter
City of GF ( 2009 expenses)	\$ 2,050.36		Wages
City of GF ( 2009 expenses)	\$ 689.31		Fringe
		\$ 50,381.19	

Server Room	Amount	Total	Description
CAT 6509E Chassis fan tray	\$ 2,136.00		B100A Busway 100 a 4P 40ft
Voda Computer Systems - PO 4365	\$ 100.00		shipping crate
	\$ 534.00		end feed power supply
Voda Inv 63577, - PO 4660	\$ 28.00		endcap for B100-B225 systems
B100/B160/B225 1/2 rod mount	\$ 136.00		1/2 rod mount
Busway closure strip	\$ 320.00		busway closure strip
Busway housing coupler	\$ 124.00		busway housing coupler
Circuit breaker unit	\$ 2,863.38		circuit breaker unit
Circuit breaker plug	\$ 488.00		circuit breaker plug
Voda Computer Systems - PO 4358	\$ 3,745.00		room layout and design
Voda Computer Systems - PO 4359	\$ 15,595.25		Air conditioning for project office
Voda Computer Systems - PO 4359	\$ 15,595.25		Air conditioning for project office
School District #51 - PO 4486 Inv 3500C	\$ 16,413.06		GF Const-construction @ Fred Walker
School District #51 - PO 4486 Inv 3500C	\$ 11,896.43		Redl Elec -bldg wiring, fibre rough in
School District #51 - PO 4582 Inv 3501C	\$ 7,867.45		GF Construction/Boundary Security work
Okanagan Fire Protection - PO 4347	\$ 19,869.00		gas suppression system
Boundary Home Building 582	\$ 159.99		spruce 2x4, screws
Boundary Home Building 903	\$ 18.00		Barrel bolts
Grand Forks Home Hardware 57306	\$ 72.17		paint roller
Boundary Home Building 796	\$ 193.55		plywood hinges
Boundary Home Building 763	\$ 46.68		deck screws
Morrissey Creek B07015	\$ 278.27		Plywood & drywall
AXIS Technical Services - PO 4586	\$ 11,290.21		install cable tray/innerduct at 525 Central
Grand Forks Home Hardware # 57452	\$ 23.90		paint
Grand Forks Home Hardware #58233	\$ 18.80		caulkinghood vent
Boundary Home Building # 2462	\$ 35.69		duct tape hole
Boundary Home Building # 2433	\$ 32.93		Roxul insulation
School Dist #51 - Inv 3502C - PO4593	\$ 8,121.46		Wiring for data centre @Fred Walker Bldg
CSI Code Systems - PO 4603	\$ 1,061.63		Programming for data room
Boundary Home Building Inv# 3787	\$ 62.03		concrete post haste 55 lb
Home Hardware	\$ 10.50		lag bolt housing
Boundary Electric 75320	\$ 41.62		insulator
		\$ 119,178.25	

## Equipment

UPS	Amount	Total	Description
	\$ 180.00		installation tool
Voda Inv. IN63679	\$ 29,371.50		30KVA Liebert 3 phase UPS system
	\$ 574.89		Cable manager, wall mt enclosure, UPS
		\$ 30,126.39	
Switch	Amount	Total	Description
Voda Computer Systems - PO4353	\$ 9,793.71		Cisco 1 year service
Voda Computer Systems- PO 4354	\$ 944.00		Server interface module
Server interface module	\$ 5,727.00		Cisco catalyst 6509 switch
Voda Computer Systems - PO 4355	\$ 22,908.00		Catalyst 6500 supervisor 720 w/2 ports
Temp & Humidity Sensor	\$ 49,603.57		Radius server authentication kit
Voda Computer Systems - PO 4356	\$ 10,177.00		Catalyst 6000 IOS advanced enterpr svcs
Voda Computer Systems - UPS (PO 4357)	\$ 10,177.00		Catalyst 6500 24 port GIGI mod
Voda Computer Systems - PO 4360	\$ 10,177.00		CAT6500 48 Port 10/100/100 GE MOD
Catalyst 6500 enhanced 9 slot chassis	\$ 6,030.00		CAT6500 6000W Power supply
Catalyst 6500 supervisor 720 w/2 ports	\$ 18,000.00		Cisco Transceiver Module
Radius server authentication kit	\$ 1,083.00		Cisco 8 port switch-Art Gallery
Catalyst 6000 IOS advanced enterpr svcs	\$ 1,083.00		Cisco 8 port switch-Firehall
Catalyst 6500 24 port GIGI mod	\$ 1,083.00		Cisco 8 port switch-Electrical
CAT6500 48 Port 10/100/100 GE MOD	\$ 299.00		CAT 6509E Chassis fan tray
CAT6500 6000W Power supply	\$ 2,700.00		Power Injector
GE SFP LC Con LX/LH Transceiver	\$ 24,511.58		Catalyst 6500 supervisor 720 w/2 ports
GE SFP LC Con LX/LH Transceiver	\$ 3,056.20		Server controller
GE SFP LC Con LX/LH Transceiver	\$ 263.54		ACP memory GLC cisco compatible
CAT 3560 8/10/100 Lan Lite Image	\$ 6,593.82		Cisco Gem Switch 48 Ports
		\$ 184,210.40	
Racks	Amount	Total	Description
Voda Computer Systems - PO 4352	\$ 6,121.02		PM3000 OU Vertical 3PH 24A
Shipping Crate	\$ 227.00		Temp & Humidity Sensor
End feed power supply	\$ 1,150.48		17" LDC Console
Endcap for B100-B225 Systems	\$ 4,404.50		Racking equipment
Installation Tool	\$ 360.19		Rackmount
		\$ 12,263.19	

# REQUEST FOR DECISION

— COMMITTEE OF THE WHOLE —



**To:** Committee of the Whole  
**From:** Manager of Development and Engineering  
**Date:** February 19, 2014  
**Subject:** Early Budget Approval for Dick Bartlett Park Electrical Upgrade  
**Recommendation:** RESOLVED THAT the Committee of the Whole recommends to Council to refer the following proposed resolution to the March 10, 2014 Regular Meeting: "Council to provide early budget approval for the Dick Bartlett Park Electrical Upgrade to install a new electrical service estimated to cost \$10,000.00 to be funded from the Capital Reserve Fund."

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**BACKGROUND:** The Dick Bartlett Park Electrical Upgrade project involves the installation of a new permanent 200 amp metered service for Community events. The existing service is undersized and is not adequate to support past Community events. Generators have been brought in to provide the required power supply for these events thereby adding to the green house gas emissions.

---

## **Benefits or Impacts of the Recommendation:**

### **General:**

- This project would provide for better utilization of Dick Bartlett Park for future Community events.
- This upgrade will provide a safer installation than what has been used in the past.
- This would reduce the noise levels previously generated by the portable generators and would not increase green house gas emissions.

### **Strategic Impact:**

- This installation will provide a more efficient, safe and reliable electrical supply for Dick Bartlett Park.
- The electrical upgrade would also provide the City with the ability to track power usage during all Community events.
- The completed project will allow residents with certain disabilities to have better access to a dependable power source.

**Financial:** The estimated cost of installing a new electrical service at Dick Bartlett Park is \$10,000.00 and could be funded by the Capital Reserve Fund.

**Policy/Legislation:** Council has the authorization to approve early budget approvals.

---

# REQUEST FOR DECISION

— COMMITTEE OF THE WHOLE —



**Recommendation:**

RESOLVED THAT the Committee of the Whole recommends to Council to refer the following proposed resolution to the March 10<sup>th</sup>, 2014 Regular Meeting:  
"Council to provide early budget approval for the Dick Bartlett Park Electrical Upgrade to install a new electrical service estimated to cost \$10,000.00 to be funded from the Capital Reserve Fund.

- 
- OPTIONS:**
1. COTW COULD CHOOSE COULD CHOOSE TO ACCEPT.
  2. COTW COULD CHOOSE TO NOT ACCEPT.
  3. COTW COULD CHOOSE TO DEFER.
-



Settle down.

Staff Score: **16**

Staff Priority

Council Priority \_\_\_\_\_

## 2014 CAPITAL BUDGET BRIEFING

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**TO:** Mayor and Council  
**FROM:** Manager of Development and Engineering  
**SUBJECT:** Dick Bartlett Park Electrical Upgrade

### PROJECT DESCRIPTION:

This project involves the installation of a new permanent 200 amp metered service to Dick Bartlett Park for community events. The existing service is undersized and not adequate to support past community events. Past events used to bring in various generators in order to be able to provide the required power supply for the event which added to the green house gas emissions.

### IMPLICATIONS OF RECOMMENDATION:

#### **General**

- This would provide better utilization of Dick Bartlett Park for community events.
- It would provide a safer installation than what has been used in the past.
- This would reduce noise levels previously generated by the portable generators.

#### **Organizational**

- This provides a more efficient, safe and reliable electrical supply.
- This will provide the City the ability to track power usage during all community events.
- This would allow residents with certain disabilities to have access to a dependable power source.

#### **Financial**

- The proposed budget to install a new electrical service at Dick Bartlett Park is \$10,000. This could be funded through capital reserves.

#### **Options**

1. Council could choose to accept.
2. Council could choose to not accept.
3. Council could choose to defer.

**Report / Document**

**Attached** \_\_\_\_\_

**Available** \_\_\_\_\_

**NIL** x \_\_\_\_\_

# REQUEST FOR DECISION

— COMMITTEE OF THE WHOLE —



**To:** Committee of the Whole  
**From:** Manager of Development and Engineering  
**Date:** February 19, 2014  
**Subject:** Early Budget Approval for Spragett Bridge Tubing Parking Lot  
**Recommendation:** RESOLVED THAT the Committee of the Whole recommends to Council to refer the following proposed resolution to the March 10, 2014 Regular Meeting:  
"Council to provide early budget approval for the development of a parking lot, a pathway leading to the Kettle river and signage on a City owned right of way north of Spragett Bridge (66<sup>th</sup> Avenue area) in the amount of \$42,000.00. \$17,000.00 to be funded from the Parking Reserve fund, and \$25,000.00 from a grant from the Ministry of Transportation.

---

**BACKGROUND:** Under the City's Sustainable Community Plan, Grand Forks is recognized as a self-sufficient community that incorporates sustainable principals into its decision making process. One of the guiding principles is to provide a variety of linked recreational opportunities afforded to its residents and visitors. A healthy Community is defined by the amount of recreational opportunities afforded to its residents and visitors. The main objective of the SCP is to provide recreational access along the Kettle and Granby rivers. Many residents and visitors access the Kettle River at the Spragett Bridge for tubing. At present, there is no dedicated parking or off-street access.

The Municipality owns a 20 meter right of way (66<sup>th</sup> Avenue) just north of the bridge. The right of way is currently undeveloped and the objective is to create safe off-street parking within this right of way complete with a pathway leading down to the river and signage.

---

## **Benefits or Impacts of the Recommendation:**

### **General:**

- This project would be in line with the guiding principles, vision and policies of the Sustainable Community Plan.
- Development of the parking area and pathway will provide for a safe linked recreational opportunity for residents and visitors and safer off-street access to the Kettle River.

# REQUEST FOR DECISION

— COMMITTEE OF THE WHOLE —



## Strategic Impact:

- This action encourages healthier, less costly and a more sustainable Community and secures long term well-being.
- This project will provide increased safety for pedestrians and reduced liability for the City.

## Financial:

The estimated cost of constructing a parking area, signage and a pathway down to the Kettle River is \$42,000.00. \$17,000.00 could be funded from the Parking Reserve and \$25,000.00 from the Ministry the Transportation by way of a grant.

**Policy/Legislation:** Council has the authorization to approve early budget approvals.

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## Recommendation:

RESOLVED THAT the Committee of the Whole recommends to Council to refer the following proposed resolution to the March 10<sup>th</sup>, 2014 Regular Meeting: "Council to provide early budget approval for the development of a parking lot, a pathway leading to the Kettle River and signage on a City owned right of way north of Spragett Bridge (66<sup>th</sup> Avenue area) in the amount of \$42,000.00. \$17,000.00 to be funded from the Parking Reserve fund and \$25,000.00 from a grant from the Ministry of Transportation.

- 
- OPTIONS:**
1. COTW COULD CHOOSE COULD CHOOSE TO ACCEPT.
  2. COTW COULD CHOOSE TO NOT ACCEPT.
  3. COTW COULD CHOOSE TO DEFER.
-



Settle down.

Staff Score: **28**

Staff Priority

Council Priority \_\_\_\_\_

## 2014 CAPITAL BUDGET BRIEFING

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**TO:** Mayor and Council  
**FROM:** Manager of Development and Engineering  
**SUBJECT:** Spragett Bridge Tubing Parking Lot

### PROJECT DESCRIPTION:

Under the SCP, Grand forks is recognized as a self-sufficient community that incorporates sustainable principles – social, economic, environmental and cultural – into its decision making process. The guiding principles form the vision for all land uses within the SCP. One of these guiding principles is to provide a variety of linked recreational opportunities. A healthy community is defined, in part, by the amount of recreational opportunities afforded to its residents and visitors. One of the main objectives is to provide recreational access along the Kettle and Granby rivers.

There are many residents and visitors that access the Kettle River at the Spragett Bridge for tubing. Currently there is no dedicated parking or off-street access. The municipality owns a 20 meter right-of-way (66<sup>th</sup> Ave.) just north of the bridge. The right-of-way is currently undeveloped raw land. The objective is to create safe off-street parking within this right-of-way complete with a pathway leading down to the river and signage.

### IMPLICATIONS OF RECOMMENDATION:

#### **General**

- Keeps in line with the guiding principles, vision and policies of the SCP.
- Provides for a linked recreational opportunity for residents and visitors.
- Provides a safe off-street access to the Kettle River.

#### **Organizational**

- Encourages the development of healthier, less costly and a more sustainable community thereby securing a long term well-being.
- Increase safety for pedestrians and reduced liability for the City.

#### **Financial**

- The estimated cost of constructing a parking area and pathway down to the river is \$42,000. This could be funded through the parking reserve (\$17,000) and a grant from Ministry of Transportation (\$25,000).

#### **Options**

1. Council could choose to accept.
2. Council could choose to not accept.
3. Council could choose to defer.

Report / Document

Attached \_\_\_\_\_

Available \_\_\_\_\_

NIL x\_\_\_\_\_

# REQUEST FOR DECISION

— COMMITTEE OF THE WHOLE —



**To:** Committee of the Whole  
**From:** Manager of Development and Engineering  
**Date:** February 21, 2014  
**Subject:** Early Budget Approval for Well 3 – 200 HP Vertical Turbine Replacement  
**Recommendation:** RESOLVED THAT the Committee of the Whole recommends to Council to refer the following proposed resolution to the March 10, 2014 Regular Meeting: "Council to provide early budget approval for the Well 3 removal and replacement of the vertical turbine pump estimated to cost \$40,000.00 to be funded from the Capital Reserve Fund".

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**BACKGROUND:** During an inspection of Well 3, it was discovered that there is excessive run out (wobble) of the drive shaft from the motor to the pump. This is an indication of obvious mechanical issues with the pump column. Well 3 produces over 300 cubic meters per hour and is therefore essential to satisfying water demand and fire flows.

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## **Benefits or Impacts of the Recommendation:**

### **General:**

- This project would ensure reliable water source to meet water demand with increased efficiency.

### **Strategic Impact:**

- This project is part of the asset renewal, repair and replacement program within the Asset Management Program for the municipality.

### **Financial:**

- The estimated cost of replacement of the casing for the vertical turbine pump at Well 3 is \$40,000.00 and could be funded from the Capital Reserve Fund. The importance of early budget approval is to have Well 3 operational for the peak season water demands.

### **Policy/Legislation:**

- Council has the authorization to approve early budget approvals.
-

# REQUEST FOR DECISION

— COMMITTEE OF THE WHOLE —



**Recommendation:**

RESOLVED THAT the Committee of the Whole recommends to Council to refer the following proposed resolution to the March 10, 2014 Regular Meeting: "Council to provide early budget approval for the Well 3 removal and replacement of the vertical turbine pump estimated to cost \$40,000.00 to be funded from the Capital Reserve Fund".

- 
- OPTIONS:**
1. COTW COULD CHOOSE COULD CHOOSE TO ACCEPT.
  2. COTW COULD CHOOSE TO NOT ACCEPT.
  3. COTW COULD CHOOSE TO DEFER.
-



Settle & Grow

Staff Score: **30**

Staff Priority

Council Priority \_\_\_\_\_

## 2014 CAPITAL BUDGET BRIEFING

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**TO:** Mayor and Council  
**FROM:** Manager of Development and Engineering  
**SUBJECT:** Well 3 – 200 HP Vertical Turbine Replacement

### **PROJECT DESCRIPTION:**

The project involves the removal and replacement of the vertical turbine pump at Well 3. During inspection of Well 3, it was discovered that there is excessive run out (wobble) of the drive shaft from motor to the pump. This indicates obvious mechanical issues with the pump column. Well 3 produces over 300 cubic meters per hour and is therefore essential to satisfying water demand and fire flows.

### **IMPLICATIONS OF RECOMMENDATION:**

#### **General**

- Ensure reliable water source to meet water demand with increased efficiency.

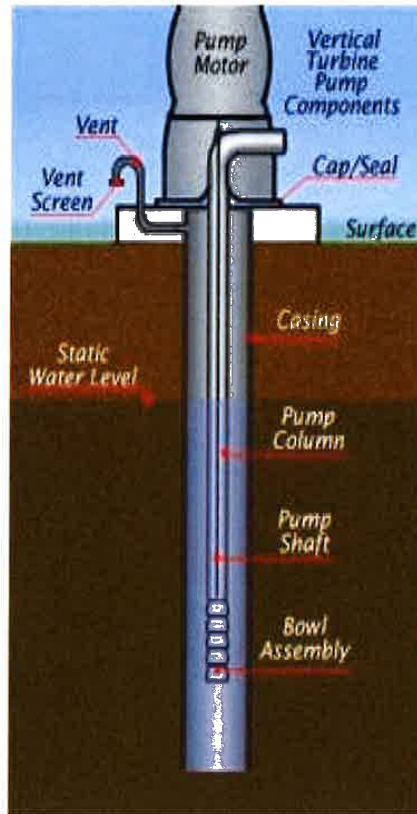
#### **Organizational**

- This project is part of the asset renewal, repair, and replacement program within the asset management program for the municipality.

#### **Financial**

- The estimated cost for replacement of the casing for the vertical turbine pump at Well 3 is \$40,000. This could be funded from the capital reserves.
- The importance of early budget approval is to have Well 3 operational for the peak season water demands.

## VERTICAL TURBINE PUMP



### Options

1. Council could choose to accept.
2. Council could choose to not accept.
3. Council could choose to defer.

Report / Document

Attached \_\_\_\_

Available \_\_\_\_

NIL \_x\_

# REQUEST FOR DECISION

— COMMITTEE OF THE WHOLE —



**To:** Committee of the Whole

**From:** Manager of Building Inspections & Bylaw Services

**Date:** February 27, 2014

**Subject:** Noise Control Bylaw Amendment

**Recommendation:** RESOLVED THAT THE COTW RECOMMENDS TO COUNCIL TO direct staff on the requested timelines that Council would like to see on Sections 4.4 (a), (c) and Section 6.1 (b), (c), (d) and further to recognize and discuss 5.1 with regard to Industrial Operations.

The Committee of the Whole further recommends to Council to direct staff to forward the amended Noise Control Bylaw No. 1963 A-1 to the March 24<sup>th</sup> Regular Meeting for the first three readings that would include the changes as advised by the Committee of the Whole.

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**BACKGROUND:** At the January 13, 2014 Council meeting, City Council directed staff to review the Noise Control Bylaw and submit for Council reference versions of the Noise Control Bylaws from other communities to the committee of Whole for their discussion. In the review of other communities Bylaws it was discovered that they have similar time lines and restrictions for weekends and holiday hours in relation to construction noise.

Additionally the Noise Control Bylaw No. 1963, did not have a clause within the Bylaw to address industrial operations. At times the market requires that industrial operations will need to run additional shifts to meet their market demands. This has been normal operating procedure for the major industries, located in the Grand Forks Industrial Park.

---

## **Benefits or Impacts of the Recommendation:**

**General:** This will allow for better control and enforcement of the bylaw with regard to the hours of work and noise produced by the industrial operations in the Industrial Park.

**Strategic Impact:** N/A

**Financial:** N/A

**Policy/Legislation:** Council has the authority amend bylaws.

**Attachments:** Proposed bylaw amendment, a copy of the Noise Control Bylaw 1963, and the Memorandum with information from other communities relating to Construction Noise.

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# REQUEST FOR DECISION

— COMMITTEE OF THE WHOLE —



**Recommendation:**

**RESOLVED THAT THE COTW RECOMMENDS TO COUNCIL TO direct staff on the requested timelines that Council would like to see on Sections 4.4 (a), (c) and Section 6.1 (b), (c), (d) and further to recognize and discuss 5.1 with regard to Industrial Operations.**

**The Committee of the Whole further recommends to Council to direct staff to forward the amended Noise Control Bylaw No. 1963 A-1 to the March 24<sup>th</sup> Regular Meeting for the first three readings that would include the changes as advised by the Committee of the Whole.**

- 
- OPTIONS:**
- 1. COTW COULD CHOOSE TO SUPPORT THE RECOMMENDATION.**
  - 2. COTW COULD CHOOSE TO NOT SUPPORT THE RECOMMENDATION.**
  - 3. COTW COULD CHOOSE TO REFER THE REPORT BACK TO STAFF FOR MORE INFORMATION.**
- 

  
\_\_\_\_\_  
Department Head or CAO

  
\_\_\_\_\_  
Chief Administrative Officer

**THE CORPORATION OF THE CITY OF GRAND FORKS**

**BYLAW NO. 1963 A-1**

**A Bylaw to Amend the Grand Forks Noise Control Bylaw No. 1963, 2013**

---

**WHEREAS** in accordance with the Local Government Act provides that Council may, by bylaw, regulate, prohibit and amend, the making or causing of certain noises or sounds within the Municipal boundaries of the Corporation of the City of Grand Forks.

**NOW THEREFORE** the Council for the Corporation of the City of Grand Forks, in open meeting assembled, **ENACTS** as follows:

1. This bylaw may be cited for all intents and purposes as the “**Grand Forks Noise Control Amendment Bylaw No. 1963 A-1, 2013**”;
2. That Bylaw No. 1963, cited as the “Grand Forks Noise Control Bylaw No. 1963, 2013”, be amended by modifying Section 4.4 (a),(c), as follows:
  - (a) any calls, cries, barks, or other noises made by an animal which continues for more than \_\_\_\_ minutes and are audible outside the property where the animal is kept, between \_\_\_\_ p.m. and \_\_\_\_ a.m.
  - (c) any noise caused or emanating from construction activity, including alterations, demolitions, and excavations between the hours of \_\_\_\_ p.m. and \_\_\_\_ a.m.
3. That Bylaw No. 1963, cited as the “Grand Forks Noise Control Bylaw No. 1963, 2013”, be amended by adding an exemption to Section 5.1, as follows:
  - (i) industrial operations may operate twenty four (24) hours a day, seven (7) days a week, when required to produce products to fulfill the world wide business market orders. Industry will be required to work with the City to limit noise that disturbs the Community during evening and grave yard shifts. The City realizes that **NOT ALL NOISE** can be eliminated;
4. That Bylaw No. 1963, cited as the “Grand Forks Noise Control Bylaw No. 1963, 2013”, be amended by modifying Section 6.1 (b),(c),(d), as follows

- (a) the erection, demolition, construction, reconstruction, alteration or repair of any building or construction between \_\_\_\_\_ a.m. and \_\_\_\_\_ p.m.
  - (b) Saturdays between the hours of \_\_\_\_\_ a.m. and \_\_\_\_\_ p.m.
  - (c) Sundays and Holidays, between the hours of \_\_\_\_\_ a.m. and \_\_\_\_\_ p.m.
5. That Schedule 2 that relates to fines with regard to the Grand Forks Noise Control Bylaw No. 1963 be deleted in its entirety, as fines are outlined in the Municipal Ticketing Information Bylaw No. 1957, 2013.
6. That this bylaw shall come into force and effect as of the adoption of this amendment bylaw.

Read a **FIRST** time this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

Read a **SECOND** time this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

Read a **THIRD** time this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

**FINALLY ADOPTED** this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

\_\_\_\_\_  
Mayor Brian Taylor

\_\_\_\_\_  
Corporate Officer – Diane Heinrich

### **CERTIFICATE**

I hereby certify the foregoing to be a true and correct copy of Bylaw No. 1963 A-1, the "Grand Forks Noise Control Amendment Bylaw No. 1963 A-1, 2013", as passed by the Municipal Council of the Corporation of the City of Grand Forks on the \_\_\_\_\_ day of \_\_\_\_\_, 2013.

\_\_\_\_\_  
Corporate Officer of the Municipal Council of the  
City of Grand Forks

# MEMORANDUM



**DATE** : January 14, 2014  
**TO** : Diane Heinrich  
**FROM** : Wayne Kopan  
**SUBJECT** : Noise Control bylaws

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Re: Noise Control Bylaws from other Communities relating to Construction Times

	WEEKDAYS	SATURDAY	SUNDAY	HOILIDAYS
OLIVER .B.C.	AM PM 7:00 – 9:00	AM PM 8:00 – 9:00	AM PM 8:00 – 9:00	AM PM 8:00 – 9:00
PEACHLAND B.C.	AM PM 7:00 – 9:00	AM PM 10:00 – 9:00	AM PM 10:00 – 6:00	AM PM 10:00 – 6:00
CRESTON B.C.	AM PM 7:00 – 10:00	AM PM 7:00 – 9:00	AM PM 9:00 – 5:00	AM PM 9:00 – 5:00
CASTLEGAR B.C.	AM PM 7:00 – 7:00	AM PM 7:00 – 7:00	AM PM 7:00 – 7:00	Not Mentioned In the Bylaw
KIMBERLEY	AM PM 7:00 – 10:00	AM PM 7:00 – 10:00	Not Mentioned In the Bylaw	Not Mentioned In the Bylaw

## CORPORATION OF THE CITY OF GRAND FORKS

### NOISE CONTROL BYLAW NO. 1963

**A bylaw to provide for the regulation and prohibition of certain noises and sounds.**

---

**WHEREAS** the *Local Government Act* provides Council with the authority, by bylaw, to regulate or prohibit the making or causing of certain noises or sounds within the Municipality-boundaries of the Corporation of the City of Grand Forks; and

**WHEREAS** the Council of the Municipality Corporation of the City Grand Forks, deems it necessary and desirable to regulate or prohibit noises or sounds, which disturb the quiet, peace, rest, enjoyment, comfort or convenience of neighbourhood persons in the vicinity, or the public;

**NOW THEREFORE** the Municipal Council of the Corporation of the City of Grand Forks in open meeting assembled **ENACTS** as follows:

**1.     Title**

- 1.1     This bylaw may be cited for all purposes as the **Grand Forks Noise Control Bylaw No. 1963, 2013**".

**2.     Repeal**

- 2.1.    The City of Grand Forks Noise Control Bylaw, No. 1313 and all amendments thereto, are hereby repealed and replaced by this bylaw.

**3.     Definitions**

**3.1    In this bylaw:**

- (a)     **"Bylaw Enforcement Officer"** means every person(s) designated by Council as a Bylaw Enforcement Officer for the City or otherwise authorized under the *Offence Act*, and every Peace Officer;
- (b)     **"City"** means the Corporation of the City of Grand Forks;
- (c)     **"Council"** means the City Council of the City;
- (d)     **"Highway"** includes a street, road, lane, bridge, viaduct and any other way open for the use of the public but does not include a private right-of-way on private property;

- (e) **“Municipality”** means the area within the City boundaries of the City;
- (f) **“Noise”** means any noise or sound that is objectionable, or disturbs, tends to disturb, or is liable to disturb, the quiet, peace, rest, enjoyment, comfort or convenience of the area, or of persons in the area, or the public and shall include, without limiting the generality of the foregoing, the noises and sounds specifically described elsewhere in this bylaw;
- (f) **“Owner”** means an owner or occupier of a parcel of land, or both;
- (g) **“Peace Officer”** shall have the same meaning as in the *Interpretation Act* and shall also include the person or persons who are appointed to enforce and administer this bylaw;
- (h) **“Person(s)”** includes any company, corporation, owner, partnership, firm, association, society or party;
- (i) **“Private Premises”** means the area contained within the boundaries of any privately owned or lease lot, parcel of land within the City and any building or structure situated within those boundaries, but where any lot or parcel contains more than one dwelling unit, each such dwelling unit shall be deemed to be separate private premises;
- (j) **“Property”** means land, with or without improvements, so affixed to the land as to make them in fact and in law, a part of it;
- (k) **“Public Place”** means streets, highways, parks, public squares, beaches, foreshore and all other land and building that not private premises.

#### **4. Prohibited Noises and Sounds**

- 4.1 No person(s) shall make or cause, or permit to be made or caused, in or on a highway or elsewhere in the City, any noise or sound which disturbs the quiet, peace, rest, enjoyment, comfort or convenience of the neighborhood, or of persons in the vicinity.
- 4.2 No owner, tenant or occupier of real property shall allow that property to be used so that a noise or sound, which originates from that property, disturbs the quiet, peace, rest, enjoyment, comfort or convenience of neighborhood, or of persons in the vicinity.
- 4.3 No person(s) shall keep any animal, which by its calls, cries, barks, or other noises disturbs the quiet, peace, rest, enjoyment, comfort, or convenience of neighborhood, or of persons in the vicinity.

4.4 Without limiting Sections 3 – 5 of this bylaw, the Council believes that the following noises or sounds are objectionable:

- (a) any calls, cries, barks, or other noises made by an animal which are audible outside the property where the animal is kept, between 11:00 p.m. and 7:00 a.m.;
- (b) any amplified music or speech which is audible outside the property where it originates or is reproduced, between 11:00 p.m. and 7:00 a.m.;
- (c) any noise caused or emanating from construction activity, including alterations, demolitions, and excavations between the hours of 8:00 p.m. and 7:00 a.m.;
- (d) any noise longer than 10 minutes caused or emanating from the operation of a parked or stopped diesel vehicle between 11:00 p.m. and 7:00 a.m.
- (e) any noise caused by the operation of motorized off-road vehicles is not permitted from 6:00 p.m. to 10:00 a.m.

and no person(s) shall cause or permit such noises or sounds to be made.

## 5. **Exemption**

5.1 This bylaw does not apply to:

- (a) police, fire, or other emergency vehicles proceeding upon an emergency;
- (b) the excavation, construction, or infrastructure work, or repairing of bridges, streets, highways, or lands by the City or agents acting on its behalf;
- (c) the operation of maintenance equipment by the City or agents acting on its behalf;
- (d) snow removal or highway cleaning operations;
- (e) the operation of a public address system required under a building or fire code;
- (f) a lawnmower, power gardening equipment or chainsaw operated between 7:00 a.m. and 9:00 p.m.;
- (g) a horn from a motor vehicle, boat or train where it is necessary to warn of danger or a hazard;

- (h) an event approved by resolution of Council provided it is within the terms of that approval – ie: hours of operation.

## **6. Construction Hours**

- 6.1 No person(s) in the City shall on any day, construct, erect, reconstruct, alter, repair or demolish any building, structure or thing or excavate or fill in land in any manner, whatsoever, which makes or causes noises or sounds in or on a highway or elsewhere in the City, which disturb, or tend to disturb, the quiet, peace, rest, enjoyment, comfort or convenience of the neighborhood or of persons in the vicinity, except during the following times:
  - (a) Monday through Friday, between the hours of 7:00 a.m. and 9:00 p.m.
  - (b) the erection, demolition, construction, reconstruction, alteration or repair of any building or structure between 7:00 a.m. and 10:00 p.m.;
  - (c) Saturdays, between the hours of 10:00 a.m. and 9:00 p.m.;
  - (d) Sunday and other holidays, between the hours of 10:00 a.m. and 6:00 p.m.
- 6.2 The restrictions contained in this part may be waived or varied by a Permit in writing from the Bylaw Enforcement Officer of the Corporate Officer, granting approval to carry on the work that is found to be a case of urgent necessity and in the interest of public health and safety.

## **7. Inspections**

- 7.1 A Bylaw Enforcement Officer may enter on any property at any reasonable time for the purpose of ascertaining whether the regulations and requirements of this bylaw are being observed.
- 7.2 No person(s) shall obstruct a Bylaw Enforcement Officer from entering property under Section 9.

## **8. Offences and Penalties**

- 8.1 (a) Any person(s) who contravenes this bylaw is liable upon summary conviction to a fine not exceeding \$2,000.00. Every day that infraction of this bylaw continues shall constitute a separate offence.
- (b) Every person or persons, who violates or breaches or who causes or allows to be violated or breached any of the provisions of this bylaw shall be guilty of an offence against this bylaw and each day that such violation is caused or allowed to continue shall constitute a separate offence.

- (c) After the first contact is made and the violation continues to exist every half hour thereafter, constitutes a new offence, as per Schedule 2 of the Municipal Ticketing Information bylaw.

**9. Severability**

- 9.1 If any portion of this bylaw (including without limitation all or part of Section 7) is held to be invalid by a Court of competent jurisdiction, such invalidity shall not affect the remaining portions of the bylaw.

**READ** a first time this \_\_\_\_ day of \_\_\_\_\_, 2013.

**READ** a second time this \_\_\_\_ day of \_\_\_\_\_, 2013.

**READ** a third time this \_\_\_\_ day of \_\_\_\_\_, 2013.

**RECONSIDERED**, finally passed and adopted this \_\_\_\_ day of \_\_\_\_\_, 2013.

\_\_\_\_\_  
**MAYOR**

\_\_\_\_\_  
**CORPORATE OFFICER**

**C E R T I F I C A T E**

I hereby certify the foregoing to be a true copy of the Grand Forks Noise Control Bylaw No. 1963, 2013, as passed by the Council of the City of Grand Forks on the \_\_\_\_ day of \_\_\_\_\_, 2013.

\_\_\_\_\_  
Corporate Officer of the Municipal Council of the  
City of Grand Forks

**SCHEDULE 2**

Bylaw No. 1681 "Noise Control Bylaw"		
COLUMN 1	COLUMN 2	COLUMN 3
Offence	Section	Fine
Noise which disturbs	3	\$100.00
Noise which disturbs form Private Property	4	\$100.00
Amplification equipment which disturbs	6(b)	\$100.00
Animal Noise	6(a)	\$100.00
Bird Noise	6(a)	\$100.00
Operating equipment during restricted hours	6(c)	\$100.00
Operating engine during restricted hours	6(d)	\$100.00
Construction noise during restricted hours	8(a)	\$100.00
Construction noise during restricted hours (Saturday)	8(b)	\$100.00
Construction noise during restricted hours (Sunday)	8(c)	\$100.00
Noise which disturbs	11(c)	\$100.00
Noise which disturbs form Private Property	11(c)	\$100.00

# REQUEST FOR DECISION

— COMMITTEE OF THE WHOLE —



**To:** Committee of the Whole  
**From:** Manager of Development and Engineering  
**Date:** February 28, 2014  
**Subject:** Grand Forks Recreation Commission – Request for Licence of Occupation  
**Recommendation:** RESOLVED THAT the Committee of the Whole recommends to Council to approve the Licence of Occupation and direct staff to proceed with the Licence of Occupation Agreement with the RDKB.

---

**BACKGROUND:** In the Fall of 2013 the Grand Forks Recreation Commission met with the City to discuss their future plans for an outdoor family fitness park adjacent to the Aquatic Center on the east side of the building.

On February 13, 2014 the City received a request on behalf of the Grand Forks Recreation Commission from John Mackey, Director of Recreation & Facilities for the Kootenay Boundary Regional District for a Licence of Occupation for approximately 100 square meters of City owned property running from north to south along the Aquatic Center's existing east property line. The lands are legally described as Lot Rem 2, Plan 54909, DL 380. The RDKB requires 300 square meters for the fitness park of which they currently only have 200 square meters.

---

## **Benefits or Impacts of the Recommendation:**

**General:** Entering into a contract for a Licence of Occupation would allow the RDKB to move forward with their development plans for the installation of an outdoor family fitness park and a demonstration community garden.

**Strategic Impact:** The outdoor family fitness park would provide some major benefits to the community such as, promoting a positive lifestyle, increased opportunity for social engagement by members of the public, increased recreational activities for residents and tourists and extended use of the current facility.

**Financial:** N/A

**Policy/Legislation:** Through the Sustainable Community Plan (SCP) the City has established goals to address climate change and to encourage the development of a healthier, less costly and sustainable community. This includes, but is not limited to promoting an increase in physical and mental health through accessibility to clean air and exercise, strengthening the social fabric of the area by creating a livable community that improves and fosters an environment of learning, tolerance and growth, creating a balance of harmony and

# REQUEST FOR DECISION

— COMMITTEE OF THE WHOLE —



responsibility. Proceeding with this initiative will act upon and move the municipality closer to these goals.

- Attachments:**
- 1) Email Request from John Mackey on behalf of the Grand Forks Recreation Commission for a Licence of Occupation.
  - 2) Legal Plan
  - 3) Sketch Plan
  - 4) Location Map
  - 5) TriActive America Proposed Sample Layout of equipment
  - 6) Draft Licence of Occupation agreement


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**Recommendation:** RESOLVED THAT the Committee of the Whole recommends to Council to approve the Licence of Occupation and direct staff to proceed with the Licence of Occupation Agreement with the RDKB.


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- OPTIONS:**
1. COTW COULD CHOOSE TO SUPPORT THE RECOMMENDATION.
  2. COTW COULD CHOOSE TO NOT SUPPORT THE RECOMMENDATION.
  3. COTW COULD CHOOSE TO REFER THE REPORT BACK TO STAFF FOR MORE INFORMATION.
-

---

From:  John Mackey <jmackey@rdkb.com> Feb-13-14 12:38:14 PM 

Subject: Recreation Centre Site Development - Licence to Occupy Request

To:  **Sasha Bird**

Attachments:  Rec Centre Site Map.pdf / Uploaded File (38K)

---

Good Afternoon,

GFREC is proceeding with its development plans for the RDKB property immediately surrounding the Aquatic Centre. These plans will include an outdoor family fitness park and a demonstration community garden.

Our plan for the fitness park is to create a 300 square metre ( 10 m X 30 m) linear park area adjacent to the east side of the aquatic centre. The present property lines limit GFREC to approximately 200 square metres.

To accomplish this, we will require a Licence to Occupy for the remaining 100 square metres. This is a section of land approximately 3.3 m X 30 m running from north to south along our existing property line located at 151 deg 42 min 30 sec. This request does not impact the existing sewer service that runs south to 72<sup>nd</sup> Avenue.

Please advise how you wish us to proceed with this application.

Thank you.

John Mackey, CD, MA  
Director of Recreation & Facilities.

---

I am using the Free version of [SPAMfighter](#).  
SPAMfighter has removed 3467 of my spam emails to date.

Do you have a [slow PC](#)? Try a free scan!

SUBDIVISION PLAN OF PART OF LOT 2, D.L. 380, S.D.Y.D., PLAN KAP54909

BCGS 82E.008

SCALE 1: 1000



All distances are in metres.

**LEGEND**

Bearings are metric, derived from Plan KAP54909

- denotes standard iron post found
- denotes standard iron post placed
- denotes lead plug found

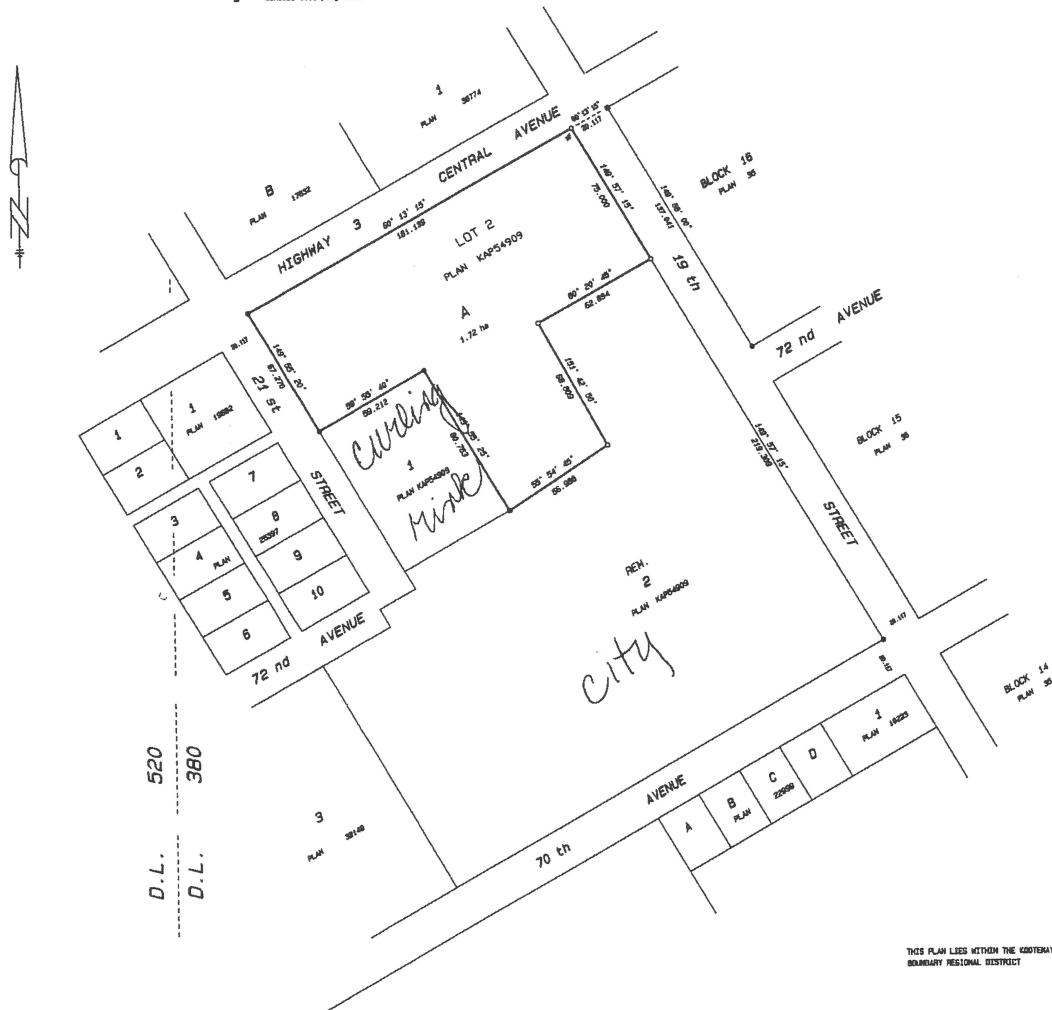
PLAN KAP 86407

Deposited in the Land Title Office  
at Kamloops, B.C. this 15  
day of APRIL 20 08

C. JOHNSTON

REGISTRAR *MA*

LB187476



THIS PLAN LIES WITHIN THE KOOTENAY  
BOUNDARY REGIONAL DISTRICT

THE CORPORATION OF THE  
CITY OF GRAND Forks

\_\_\_\_\_  
 NAME: NEIL KROG

CLERK / LYNN BURGH

K. L. Cassiere  
WITNESS TO BOTH SIGNATURES

KA. LaPostiere  
Box 2856 Grand Forks, B.C.

**K.A. LABOSSIERE**  
Box 2685  
Grand Forks, B.C.  
Planning Assistant

ADDRESS Greenfield, B.C.  
Planning Assistant

OCCUPATION OF WITNESS

### CONTROLLED HIGHWAY ACCESS APPROVAL

Approved pursuant to the Land Title Act.

this 25 day of  
MARCH 1968

MARCH 20 1961

Frank

Approving Officer for the Ministry  
of Transportation

Approved pursuant to the Land Title Act

this 2nd day of

April 20 21.

James D. Small

Approving Officer for the  
CITY OF GRAND FORKS

Z. A.F. HODGSOLOTT, A BRITISH COLUMBIA LAND SURVEYOR OF THE CITY OF GRAND FORKS IN BRITISH COLUMBIA, CERTIFY THAT I WAS PRESENT AT AND PERSONALLY SUPERINTENDED THE SURVEY REPRESENTED BY THIS PLAN AND THAT THE SURVEY AND PLAN ARE CORRECT. THE FIELD SURVEY WAS COMPLETED ON THE 10 TH DAY OF MARCH 2000 . THE PLAN WAS COMPLETED AND CHECKED, AND THE CHECKLIST FILED UNDER NO. 70427 , ON THE 14 TH DAY OF MARCH , 2000 .

At Haplo

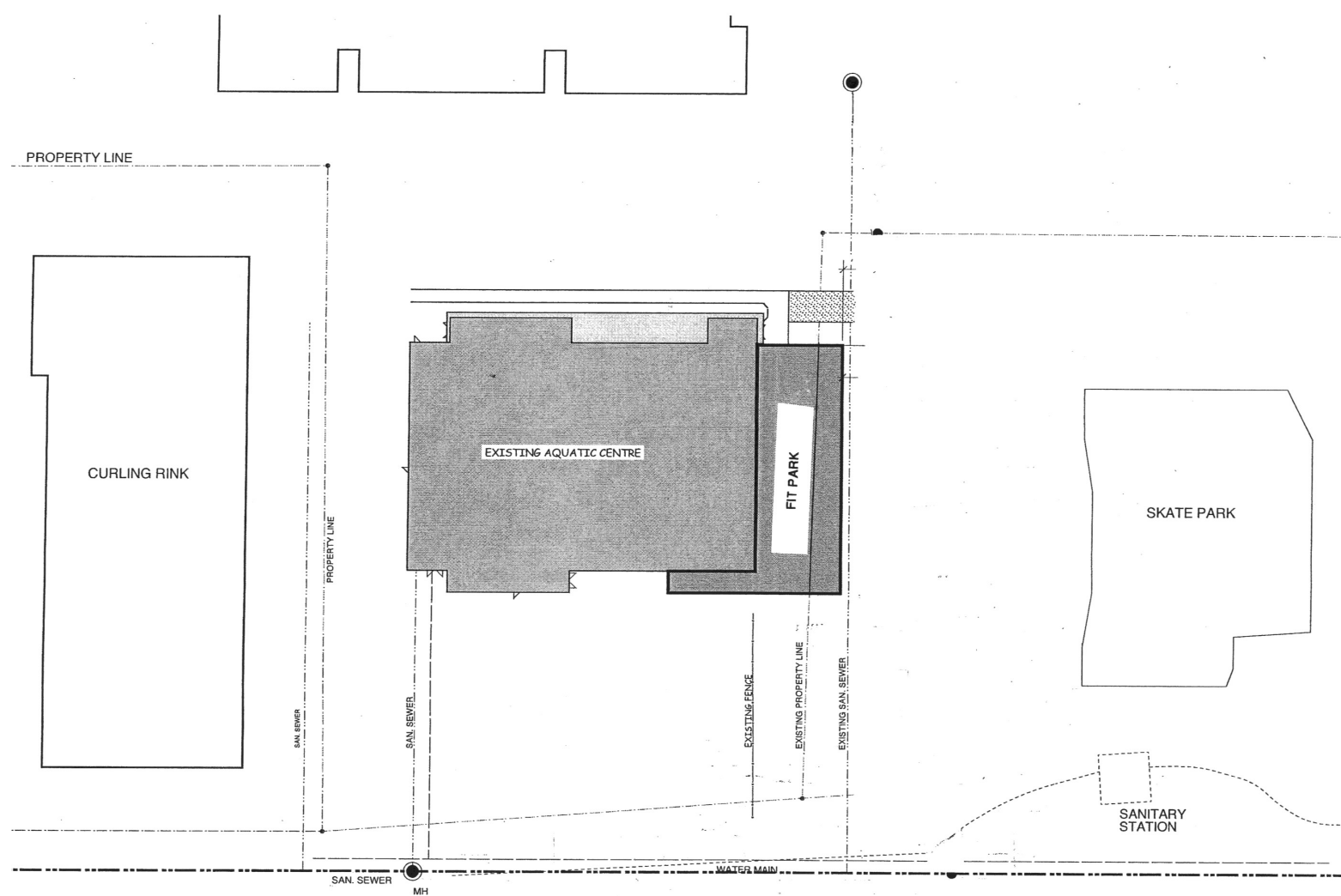
A.F. NOEFSLOOT

BRITISH COLUMBIA LAND SURVEYOR  
P.O. BOX 2740, GRAND FORKS, B.C.  
V0H 1H0 442-5897

07-59

**ORIGINAL**

## Sketch Plan



**LICENCE OF OCCUPATION - GRAND FORKS RECREATION COMMISSION  
FITNESS PARK AND COMMUNITY GARDEN - LOCATION MAP**





## Grand Forks, BC Proposed Sample Layout

(drawing is proportional)

**Production Line:** TriActive Fitness Line

**Colors:** Colors are Dark Green and Almond

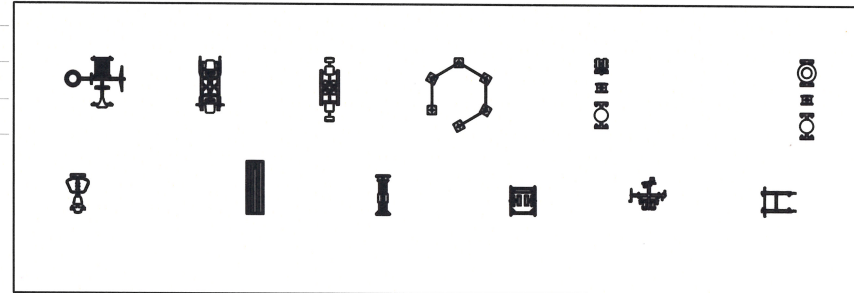
**Coating Type:** Powder Coated, thickness 6-8 mils (152-203 µm)

**Warranty:** 5 Years

**Assembly Location:** Assembled in the USA

**Equipment:**

- |                      |                           |
|----------------------|---------------------------|
| 1 Air Walker         | 7 Two Person Rotator      |
| 2 Air Strider        | 8 Rowing Machine          |
| 3 Combo Press & Pull | 9 Pull up Dip             |
| 4 Leg Press          | 10 Multi Bars             |
| 5 Sit up Bench       | 11 Step & Twist           |
| 6 Warm up Station    | 12 Accessible Multi Gym A |



10 x 30 meters = 300 square meters



### TriActive America, Inc.

178 South 4th Street, Suite 101  
Grover Beach, CA 93433  
Telephone: 805-595-1005  
Toll Free: 800-587-4228  
Fax: 805-595-1007 (Management)  
Fax: 805-595-1042 (Sales)  
Email: [staff@TriActiveAmerica.com](mailto:staff@TriActiveAmerica.com)  
[www.TriActiveAmerica.com](http://www.TriActiveAmerica.com)  
Sales Contact: Tim Malone,  
Great Outdoor Gym  
February 19, 2014 rev3



## **LICENCE OF OCCUPATION**

THIS LICENCE made the \_\_\_\_ day of \_\_\_\_\_, 2014.

BETWEEN:

**THE CORPORATION OF THE CITY OF GRAND FORKS**

7217 4th Street, P.O. Box 220

Grand Forks, British Columbia, V0H 1H0

(the "City")

AND:

**REGIONAL DISTRICT OF KOOTENAY BOUNDARY**

202 – 843 Rossland Ave.

Trail , British Columbia V1R 4S8

(the "Licensee")

**WHEREAS:**

- A. The City is the legal and beneficial owner of those Lands and premises located in the City of Grand Forks and legally described as:  
Parcel Identifier: 023-096-713  
Legal Description: Lot 2, District Lot 380, S.D.Y.D., Plan KAP54909, Except Plan KAP86407
- B. The Licensee wishes to occupy a portion of the "Lands", for the purpose of locating the Licensee's fitness park facility and demonstration community garden.
- C. The City wishes to grant a Licence of Occupation to the Licensee for a portion of the described Lands, measuring 100 square meters as outlined on the sketch plan attached hereto as **Schedule "A"** (the "**Licensed Area**"), to use and occupy under the terms and conditions contained in this licence.

NOW THEREFORE, in consideration of the sum of one dollar (\$1.00) paid by the Licensee to the City, the premises and mutual covenants contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto covenant and agree as follows:

#### **1. Grant of Licence**

The City hereby grants to the Licensee and their employees, contractors, subcontractors and agents a non-exclusive licence to use and occupy the Licensed Area for the purposes of *the installation of an outdoor family fitness park and a demonstration community garden.*

#### **2. Term**

The term of the Licence shall be ten (10) years, commencing on the 1<sup>st</sup> day of May, 2014 and expiring on the 30<sup>th</sup> day of April, 2024. (the "Term")

#### **3. Renewal**

At its election, the Licensee may, by written notice to the City given on or before 6 months prior to the expiry of the Term, request that the Licence be renewed for an additional term of ten 10 years commencing on the 1<sup>st</sup> day of May, 2024 and expiring no later than the 30<sup>th</sup> day of April, 2034. The City, acting reasonably would grant the Licence renewal, unless the Lands were required for City purposes.

#### **4. Condition of the Licensed Area**

The Licensed Area is licensed to the Licensee on an "as is" basis, and the City makes no representation or warranties with respect to the condition of the Licensed Area.

#### **5. Licensee's Covenants**

The City covenants with the Licensee:

- a) To use the Lands as a fitness park in the area adjacent to the east side of the aquatic centre.
- b) To keep the Lands free from permanent structures;
- c) Not to bring Contaminants (as defined below) onto, into or under the Licensed Area;

For the purpose of this Licence, "Contaminants" means any substance including without limitation, urea formaldehyde, hydrocarbons, lead, pollutants, polychlorinated biphenyls ("PCBs), contaminants, deleterious substances, dangerous substances or goods, hazardous, corrosive, or toxic substances, special waste, waste, pesticides, asbestos-containing materials, PCB-containing equipment or materials, and any other storage, manufacture, handling, disposal, treatment, generation, use, transport, remediation or release into the environment of which is now or hereinafter prohibited, controlled or regulated under any applicable laws.

## **6. Inspection**

The City, and its officials, employees, contractors, subcontractors and agents may enter the Licensed Area to inspect the Licensed Area and the Works to ensure compliance with the terms and conditions of the Licence.

## **7. Dispute Resolution**

The parties shall use commercially reasonable efforts to agree on any matter or resolve any dispute arising under this Agreement. If, despite the efforts of the parties, the parties are unable to determine the matter or resolve the dispute within thirty (30) days of the matter or dispute arising, the parties may, by further agreement, refer the matter or dispute to a mediator acceptable to each of the parties. Where the parties are unable to determine the matter or resolve the dispute with the assistance of a mediator, the parties may, by further agreement, refer the matter or dispute to a single arbitrator for determination in accordance with the Commercial Arbitration Act (British Columbia).

## **8. Termination**

- a) The City may terminate this Licence upon thirty (30) days prior written notice to the Licensee in the event that the Licensee breaches a term of the Licence, which breach has not been remedied within 14 days of receiving notice of such breach from the City.
- b) Either party may terminate this Licence upon ninety (90) days prior written notice to the other party. In the event that the Licence is terminated under this clause, the Licensee will remove all privately owned property from the Licensed Area.

## **9. Indemnity**

Notwithstanding any other terms, covenants and conditions contained in the Licence, the Licensee will indemnify and save harmless the City and those for whom the City is responsible in law from and against any and all liabilities, claims suits, actions, including actions of third parties, damages and costs, including,

without limitation, legal fees on a solicitor and own client basis, which the City may incur, suffer or be put to arising out of or in connection with any breach or non-performance of the obligations of the Licensee under this Licence, any loss or damage to property or personal injury or bodily injury, including death, of any person or any wrongful act or neglect of the Licensee, its employees, contractors, subcontractors or agents on or about the Licensed Area, or arising out of or in connection with the use and occupation of the Licensed Area, its employees, contractors, subcontractors or agents. This indemnity will survive the expiration or earlier termination of this Licence.

## **10. Release**

The Licensee does hereby release and discharge the City from any and all actions, causes of action, suits and demands whatsoever and whether at law or in equity or otherwise arising which the Licensee may at any time have by reason of the exercise of the rights granted to the Licensee hereunder.

## **11. Non-liability of the City**

The City will not be liable or responsible in any way for any personal injury that may be sustained by the Licensee, its invitees, those for whom the Licensee is responsible in law or any other person who may be upon, within or under the Licensed Area, or for any loss of or damage or injury to property belonging to or in the possession of the Licensee, its invitees, those for whom the Licensee is responsible in law or any other person or for any matter or things of whatsoever nature or kind arising from or in connection with the Licensee's use and occupation of the Licensed Area or otherwise.

## **12. Insurance**

The Licensee, at its cost, will obtain and keep in force:

- a) "all risk" property insurance covering all of the Licensee's property in the Licensed Area, property for which the Licensee is legally liable and property installed by or on behalf of the Licensee within the Licensed Area;
- b) Comprehensive general liability insurance (including legal liability insurance) against claims for personal injury, death or property damage occurring upon, within or about the Licensed Area, such coverage to include the activities and operations conducted by the Licensee and those for whom the Licensee is in law responsible. Such policies will be written on a comprehensive basis with inclusive limits of not less than \$2,000,000 per occurrence or such higher limit as the City, acting reasonably, may require from time to time; and
- c) Any other form of insurance or such higher limits as the City, acting reasonably, may require from time to time, in form, in amounts and for insurance risks against which a prudent licensee would insure.

The Licensee will affect all insurance policies with reputable insurers licensed to do business in British Columbia and upon terms and in amounts, as to deductibles and otherwise, reasonably satisfactory to the City. The Licensee will deliver to the City within 30 days of the date first written above, and upon reasonable request from time to time, certificates of insurance (and upon request by the City, copies of the insurance policies) and will deliver to the City a certificate of renewal for each policy not less than 10 days prior to its respective expiry date. The Licensee will cause all insurance policies to contain an undertaking by the respective insurer to notify the City at least 30 days prior to cancellation or prior to making any other change material to the City's interest.

The liability policy of the Licensee will include the City as an additional named insured with a cross-liability and severability of interest clause. The Licensee will cause all insurance policies to contain a waiver of subrogation clause in favour of the City and those for whom it is in law responsible.

## **13. Nature of Licence**

The occupancy of the Licensed Area by the Licensee will, under all circumstances, be viewed as a licence only and will not create or be deemed to create any interest in the Licensed Area in

the Licensee's favour.

#### **14. Assignment**

The Licensee will not be entitled to assign or transfer this Licence. The Licensed Area, or any portion thereof, may not be further licensed or leased without the prior written consent of the City, which consent may be withheld in its sole discretion.

#### **15. No Derogation**

Nothing contained or implied herein will derogate from the obligations of the Licensee under any other agreement with the City, or if the City so elects, prejudice or affect the City's rights, powers, duties or obligations in the exercise of its functions pursuant to the Community Charter (British Columbia) and the Local Government Act (British Columbia), or any other Act of the legislature of the Province of British Columbia, as amended from time to time and the rights, powers, duties and obligations of the City under all public and private statutes, bylaws, orders and regulations, all of which may be, if the City so elects, as fully and effectively exercised in relation to the Lands and the City as if this Licence had not been executed and delivered by the City to the Licensee.

#### **16. Builders' Liens**

The Licensee will not suffer or permit any liens under the Builders' Lien Act to be registered against title to the Lands, including the Licensed Area, by reason of labour, services or materials supplied to the Licensee. In the event that any lien is so filed, the Licensee will take immediate action to cause same to be removed.

#### **17. Compliance With Laws**

The Licensee, at its sole cost and expense, will promptly comply with all applicable requirements of governmental or administrative authorities, including, without limiting the generality of the foregoing, all municipal bylaws, which relate, directly or indirectly, to the use of the Licensed Area.

#### **18. Further Assurances**

The parties will execute and deliver all such further documents and do such other things as the other party hereto may request in order for this Licence to be given full effect.

#### **19. Waiver**

The waiver by the City of any breach of a term, covenant or condition of this Licence will not be considered to be a waiver of any subsequent breach of the term, covenant or condition or another term, covenant or condition. No breach of a term, covenant or condition of this Licence will be considered to have been waived by the City unless acknowledged by the City in writing as waived.

## **20. Severance**

If any section, subsection, sentence, clause or phrase in the Licence is for any reason held to be invalid by the decision of a court of competent jurisdiction, the invalid portion shall be severed and the decision that it is invalid shall not affect the validity of the remainder of this Licence. The parties hereto shall agree upon an amendment to be made to the section, subsection, sentence, clause or phrase previously found to be invalid and shall do or cause to be done all acts reasonably necessary in order to amend the Licence so as to reflect its original spirit and intent.

## **21. Notices**

Any notice required or permitted to be given hereunder will be in writing and will be sufficiently given if it is delivered personally or mailed by prepaid mail to the intended party at its address set out on page 1 of the Licence. A notice will be deemed to be received on the day it is delivered, if delivered personally, or 4 business days after the date it was mailed.

## **22. Governing Law**

The Licence will be governed by and construed in accordance with the laws of British Columbia and the parties hereby agree to attorn to the courts of British Columbia .

## **23. Singular and Plural**

Wherever the singular or masculine is used herein the same shall be construed as meaning the plural, feminine or the body corporate or politic where the contents or the parties so require.

## **24. Enurement**

The Licence will enure to the benefit of and be binding upon the parties hereto and their respective successors and permitted assigns.

IN WITNESS WHEREOF the parties hereto have executed the Licence as of the day and year first above written:

THE CORPORATION OF THE CITY OF GRAND FORKS, by its authorized signatories:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

THE LICENSEE, by its authorized signatories:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

DRAFT

# REQUEST FOR DECISION

— COMMITTEE OF THE WHOLE —



**To:** Committee of the Whole  
**From:** Roxanne Shepherd, Chief Financial Officer  
**Date:** February 27, 2014  
**Subject:** First two reading of Financial Plan Bylaw 1996  
**Recommendation:** **THAT the COTW recommends that Council considers giving the first two readings to Year 2014-2018 Financial Plan Bylaw 1996 as referred to the regular meeting of March 10, 2014.**

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## BACKGROUND:

In the fall of 2013, City staff began working on the 2014-2018 Financial Plan. Department Heads as well as the Coordinators for each department had direct input into the plan. Staff began with the operating budget, and operating presentations for each department were made to Council at the January 27, 2014 Committee of the Whole. The capital plan was presented to Committee of the Whole on February 11, 2014 for input from Council and the public. At the February 27, 2014 Committee of the Whole, the entire financial plan was presented for public consultation.

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## Benefits or Impacts of the Recommendation:

**General:** The benefit of a balanced budget is that it allows Council to undertake the services that are required to run the municipality.

**Strategic Impact:** The financial plan was developed using information from Council's Strategic Plan.

**Financial:** The plan includes all expenses of the municipality and all sources of revenues that will be required to undertake the services included in the plan.

**Policy/Legislation:** Section 165 of the Community Charter requires that a municipality must have a financial plan that is adopted annually, by bylaw, before the annual property tax bylaw is adopted. Section 197 of the Community Charter requires that each year, after adoption of the financial plan but before May 15, a council must, by bylaw, impose property values taxes for the year by establishing tax rates.

**Attachments:** 2014-2018 Financial Plan Bylaw 1996

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**Recommendation:** **THAT the COTW recommends that Council considers giving the first two readings to Year 2014-2018 Financial Plan Bylaw 1996 as referred to the regular meeting of March 10, 2014.**

**OPTIONS:** 1. COTW COULD CHOOSE TO SUPPORT THE RECOMMENDATION

# REQUEST FOR DECISION

— COMMITTEE OF THE WHOLE —



2. COTW COULD CHOOSE TO NOT SUPPORT THE RECOMMENDATION
3. COTW COULD CHOOSE TO REFER THE REPORT BACK TO STAFF FOR MORE INFORMATION

**THE CORPORATION OF THE CITY OF GRAND FORKS**

**BYLAW NO. 1996**

**A Bylaw to Establish the Five Year Financial Plan  
For the Years 2014 - 2018**

---

**WHEREAS** the Community Charter requires that Council adopt a Five Year Financial Plan annually before the adoption of the annual property tax bylaw;

**NOW THEREFORE** Council for the Corporation of the City of Grand Forks, in open meeting assembled, **ENACTS**, as follows:

1. Appendix "A" and Appendix "B" attached hereto and made part of this Bylaw is hereby declared to be the Five Year Financial Plan of the Corporation of the City of Grand Forks for the Years 2014 to 2018.
2. This Bylaw may be cited, for all purposes, as the "**Year 2014 – 2018 Financial Plan Bylaw**".

Read a **FIRST** time this 10<sup>th</sup> day of March, 2014

Read a **SECOND** time this 10<sup>th</sup> day of March, 2014

Read a **THIRD** time this \_\_\_\_ day of \_\_\_\_\_, 2014

**FINALLY ADOPTED** on this \_\_\_\_ day of \_\_\_\_\_, 2014

\_\_\_\_\_  
Mayor Brian Taylor

\_\_\_\_\_  
Corporate Officer Diane Heinrich

**C E R T I F I C A T E**

I hereby certify the foregoing to be a true and correct copy of Bylaw No. 1996, as adopted by the Municipal Council of the City of Grand Forks on this \_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
Corporate Officer of the Municipal Council of the  
City of Grand Forks

**City of Grand Forks**  
**Appendix "A" to Bylaw 1996**  
**Consolidated 5 Year Financial Plan 2014 - 2018**

	2014	2015	2016	2017	2018
<b><u>Revenue</u></b>					
Property taxes , grants in lieu & franchise Fees	\$ 2,942,062	\$ 2,999,900	\$ 3,058,900	\$ 3,119,000	\$ 3,180,300
Parcel taxes	6,041	6,041	6,041	6,041	6,041
User levies	1,808,210	1,842,500	1,877,400	1,913,000	1,949,200
Fees and charges	4,972,787	5,203,052	5,444,468	5,697,528	5,862,300
Grants and other	3,781,734	706,586	711,811	717,161	722,537
<b>Total Revenues</b>	<b>13,510,834</b>	<b>10,758,079</b>	<b>11,098,620</b>	<b>11,452,730</b>	<b>11,720,378</b>
<b><u>Expenses</u></b>					
Purchases for resale	3,294,066	3,390,619	3,559,125	3,736,082	3,848,200
Operating	6,887,585	6,990,018	7,093,899	7,199,426	7,306,437
Debt interest	100,961	86,477	81,477	76,477	71,477
Amortization	1,539,874	1,556,513	1,573,366	1,590,434	1,607,722
<b>Total Operating Expenses</b>	<b>11,822,486</b>	<b>12,023,628</b>	<b>12,307,867</b>	<b>12,602,419</b>	<b>12,833,835</b>
<b>Net Revenue (loss)</b>	<b>\$1,688,347</b>	<b>(\$1,265,549)</b>	<b>(\$1,209,248)</b>	<b>(\$1,149,689)</b>	<b>(\$1,113,457)</b>
<b><u>Allocations</u></b>					
Debt proceeds	3,551,978	577,500	577,500	577,500	367,500
Capital expenditures	(8,856,179)	(1,139,000)	(1,014,000)	(830,000)	(619,500)
Debt principal repayment	(197,886)	(183,001)	(171,092)	(161,566)	(153,945)
Transfers from (to) reserves / surplus	2,273,866	453,536	243,474	(26,679)	(88,319)
Reserve fund in excess of amortization	<u>1,539,874</u>	<u>1,556,513</u>	<u>1,573,366</u>	<u>1,590,434</u>	<u>1,607,722</u>
<b>Financial Plan Balance</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**City of Grand Forks  
Five Year Plan 2014 to 2018  
Operations Summary  
Supporting Schedule A**

	2013 Plan	2014 Plan	2015 Plan	2016 Plan	2017 Plan	2018 Plan
<b>General</b>						
Revenue						
Property Taxes	\$ 2,768,320	\$ 2,837,537	\$ 2,894,300	\$ 2,952,200	\$ 3,011,200	\$ 3,071,400
Parcel Taxes						
Payments in Lieu & Franchise Fees	104,479	104,525	105,600	106,700	107,800	108,900
Solid Waste Levies	185,000	195,000	197,000	199,000	201,000	203,000
Slag Sales	255,000	250,000	252,500	255,025	257,575	260,151
Fees and Charges	593,043	576,588	588,100	599,900	611,900	624,100
Government Grants - Operations	352,846	317,286	317,286	317,286	317,286	317,286
Government Grants - Capital	491,844	1,587,889				
Other Sources	159,940	134,114	136,800	139,500	142,300	145,100
Restricted Investment Income		-	-	-	-	-
	<b>4,910,472</b>	<b>6,002,939</b>	<b>4,491,586</b>	<b>4,569,611</b>	<b>4,649,061</b>	<b>4,729,937</b>
Expenses						
Airport Cost of Sales	52,734	49,000	50,500	52,000	53,600	55,200
Operations Expense	4,288,867	4,356,749	4,422,100	4,488,400	4,555,700	4,624,000
Community Support	246,794	284,920	289,194	293,532	297,935	302,404
Preventative Maintenance Program	105,036	141,258	143,377	145,528	147,710	149,926
Studies & Planning		-	-	-	-	-
Debt Interest	67,937	44,484	30,000	25,000	20,000	15,000
Amortization	760,000	900,000	909,000	918,090	927,271	936,544
<b>Total Expenses</b>	<b>5,521,368</b>	<b>5,776,411</b>	<b>5,844,171</b>	<b>5,922,549</b>	<b>6,002,216</b>	<b>6,083,073</b>
<b>Net Income (Loss) before Other Income</b>	<b>(610,896)</b>	<b>226,528</b>	<b>(1,352,585)</b>	<b>(1,352,938)</b>	<b>(1,353,155)</b>	<b>(1,353,136)</b>
Other Income						
Contributions from Electrical	410,000	420,000	432,600	445,578	458,945	465,830
Gain (Loss) on Disposition of Assets		-	-	-	-	-
<b>Net Income (Loss)</b>	<b>(200,896)</b>	<b>646,528</b>	<b>(919,985)</b>	<b>(907,360)</b>	<b>(894,209)</b>	<b>(887,307)</b>
Allocations						
Debt proceeds	663,511	1,639,778	-	-	-	-
Capital Expenditures	(2,340,257)	(3,766,666)				
Capital Planning	(71,667)		-	-	-	-
Debt principal repayment	(94,657)	(74,484)	(74,484)	(74,484)	(74,484)	(74,484)
Transfers from (to) reserves	871,570	539,000	(252,500)	(255,025)	(257,575)	(265,300)
Transfers from (to) surplus	412,396	115,845	337,969	318,780	298,998	290,548
Reserve fund in excess of amortization	760,000	900,000	909,000	918,090	927,271	936,544
<b>Surplus (Deficit)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**City of Grand Forks  
Five Year Plan 2014 to 2018  
Operations Summary  
Supporting Schedule A**

	2013 Plan	2014 Plan	2015 Plan	2016 Plan	2017 Plan	2018 Plan
<b>Equipment</b>						
Recoveries	\$ 491,742	\$ 471,443	\$ 477,100	\$ 482,800	\$ 488,600	\$ 494,500
Operations Expense	371,764	461,518	468,400	475,400	482,500	489,700
<b>Net Recoveries</b>	<b>119,978</b>	<b>9,925</b>	<b>8,700</b>	<b>7,400</b>	<b>6,100</b>	<b>4,800</b>
Debt Interest	3,203	1,603	1,603	1,603	1,603	1,603
Amortization	245,568	232,874	234,038	235,209	236,385	237,567
<b>Net Recoveries (Loss)</b>	<b>(128,793)</b>	<b>(224,552)</b>	<b>(226,941)</b>	<b>(229,412)</b>	<b>(231,888)</b>	<b>(234,370)</b>
Gain (Loss) on Disposition of Assets		-	-	-	-	-
<b>Net Recoveries (Loss)</b>	<b>(128,793)</b>	<b>(224,552)</b>	<b>(226,941)</b>	<b>(229,412)</b>	<b>(231,888)</b>	<b>(234,370)</b>
<b>Allocations</b>						
Debt proceeds		-	-	-	-	-
Capital Expenditures	(210,000)		(50,000)	(50,000)	(50,000)	(50,000)
Debt principal repayment	(79,416)	(74,426)	(59,541)	(47,633)	(38,106)	(30,485)
Transfers from (to) reserves	210,000		(40,000)	(40,800)	(41,616)	(42,448)
Transfers from (to) surplus	(37,359)	66,104	226,941	229,412	231,888	234,370
Reserve fund in excess of amortization	245,568	232,874	149,541	138,433	129,722	122,933
<b>Surplus (Deficit)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**City of Grand Forks  
Five Year Plan 2014 to 2018  
Operations Summary  
Supporting Schedule A**

	<b>2013 Plan</b>	<b>2014 Plan</b>	<b>2015 Plan</b>	<b>2016 Plan</b>	<b>2017 Plan</b>	<b>2018 Plan</b>
<b>Electrical</b>						
<b>Revenue</b>						
User Fees	\$ 4,216,000	\$ 4,324,609	\$ 4,540,839	\$ 4,767,881	\$ 5,006,275	\$ 5,156,500
Fees and Charges	40,000	63,226	65,512	67,886	70,352	72,500
	<b>4,256,000</b>	<b>4,387,835</b>	<b>4,606,352</b>	<b>4,835,768</b>	<b>5,076,628</b>	<b>5,229,000</b>
<b>Expenditure</b>						
Purchases for resale	3,109,400	3,245,066	3,340,119	3,507,125	3,682,482	3,793,000
Operations Expense	607,400	578,604	584,400	590,200	596,100	602,100
Amortization	34,000	42,000	42,000	42,000	42,000	42,000
<b>Expenditure</b>	<b>3,750,800</b>	<b>3,865,670</b>	<b>3,966,519</b>	<b>4,139,325</b>	<b>4,320,582</b>	<b>4,437,100</b>
<b>Net Income (loss) before Contributions to General</b>	<b>505,200</b>	<b>522,165</b>	<b>639,832</b>	<b>696,443</b>	<b>756,046</b>	<b>791,900</b>
Contributions to General	410,000	420,000	432,600	445,578	458,945	465,830
<b>Net income (loss)</b>	<b>95,200</b>	<b>102,165</b>	<b>207,232</b>	<b>250,865</b>	<b>297,101</b>	<b>326,070</b>
<b>Allocations</b>						
Capital Expenditures	(235,000)	(255,000)	(375,000)	(250,000)	(70,000)	(100,000)
Transfers from (to) reserves	(10,000)	255,000	175,000	50,000	(130,000)	(100,000)
Transfers from (to) surplus	115,800	(144,165)	(49,232)	(92,865)	(139,101)	(168,070)
Reserve fund in excess of amortization	34,000	42,000	42,000	42,000	42,000	42,000
<b>Surplus (Deficit)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**City of Grand Forks  
Five Year Plan 2014 to 2018  
Operations Summary  
Supporting Schedule A**

	2013 Plan	2014 Plan	2015 Plan	2016 Plan	2017 Plan	2018 Plan
<b>Water</b>						
<b>Revenue</b>						
Parcel Taxes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
User Levies	752,700	793,650	809,500	825,700	842,200	859,000
Fees and Charges	4,200	4,284	4,400	4,500	4,600	4,700
Government Grants - Capital	716,844	879,556				-
	<b>1,473,744</b>	<b>1,677,490</b>	<b>813,900</b>	<b>830,200</b>	<b>846,800</b>	<b>863,700</b>
Operations Expense	738,968	716,332	727,100	738,000	749,100	760,337
Preventative Maintenance Program	80,000	81,601	83,233	84,898	86,596	88,328
Studies & Planning			-	-	-	-
Debt Interest	-	-	-	-	-	-
Amortization	186,100	200,000	204,000	208,080	212,242	216,486
<b>Total Expenses</b>	<b>1,005,068</b>	<b>997,933</b>	<b>1,014,333</b>	<b>1,030,978</b>	<b>1,047,937</b>	<b>1,065,150</b>
<b>Net Income (Loss)</b>	<b>468,676</b>	<b>679,557</b>	<b>(200,433)</b>	<b>(200,778)</b>	<b>(201,137)</b>	<b>(201,450)</b>
<b>Allocations</b>						
Debt proceeds	2,046,006	1,572,423	367,500	367,500	367,500	367,500
Capital Expenditures	(2,691,182)	(3,857,846)	(469,500)	(469,500)	(469,500)	(469,500)
Capital Planning	(131,667)		-	-	-	-
Debt principal repayment		-	-	-	-	-
Transfers from (to) reserves		1,405,866	-	-	-	-
Transfers from (to) surplus	122,067	-	98,433	94,698	90,896	86,964
Reserve fund in excess of amortization	186,100	200,000	204,000	208,080	212,242	216,486
<b>Surplus (Deficit)</b>	<b>- \$</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**City of Grand Forks  
Five Year Plan 2014 to 2018  
Operations Summary  
Supporting Schedule A**

	2013 Plan	2014 Plan	2015 Plan	2016 Plan	2017 Plan	2018 Plan
<b>Sewer</b>						
<b>Revenue</b>						
Parcel Taxes	\$ 38,295	\$ 6,041	\$ 6,041	\$ 6,041	\$ 6,041	\$ 6,041
User Levies	745,000	819,560	836,000	852,700	869,800	887,200
Fees and Charges	9,000	4,080	4,200	4,300	4,400	4,500
Government Grants - Capital	491,844	612,889				
	<b>1,284,139</b>	<b>1,442,570</b>	<b>846,241</b>	<b>863,041</b>	<b>880,241</b>	<b>897,741</b>
Operations Expense	692,362	702,346	712,900	723,600	734,500	745,500
Preventative Maintenance Program	35,000	35,700	36,414	37,142	37,885	38,643
Studies & Planning		-	-	-	-	-
Debt Interest	25,758	54,874	54,874	54,874	54,874	54,874
Amortization	130,000	165,000	167,475	169,987	172,537	175,125
<b>Total Expenses</b>	<b>883,120</b>	<b>957,920</b>	<b>971,663</b>	<b>985,604</b>	<b>999,796</b>	<b>1,014,142</b>
<b>Net Income (Loss)</b>	<b>401,019</b>	<b>484,650</b>	<b>(125,422)</b>	<b>(122,563)</b>	<b>(119,555)</b>	<b>(116,401)</b>
<b>Allocations</b>						
Debt proceeds	563,511	339,777	210,000	210,000	210,000	
Capital Expenditures	(983,687)	(976,667)	(244,500)	(244,500)	(240,500)	-
Capital Planning	(71,667)		-	-	-	
Debt principal repayment	(6,495)	(48,975)	(48,975)	(48,975)	(48,975)	(48,975)
Transfers from (to) reserves		24,000	-	-	-	-
Transfers from (to) surplus	(32,681)	12,216	41,423	36,051	26,494	(9,749)
Reserve fund in excess of amortization	130,000	165,000	167,475	169,987	172,537	175,125
<b>Surplus (Deficit)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**City of Grand Forks  
Appendix B to Bylaw 1996  
Consolidated 5 Year Financial Plan 2014 - 2018  
Revenues, Property Taxes and Exemptions**

In accordance with Section 165 (3.1) of the Community Charter, The City of Grand Forks is required to include in the five year financial plan bylaw, objectives and policies regarding each of the following:

- the proportion of total revenue that comes from each of the funding sources described in Section 165(7) of the Community Charter;
- the distribution of property taxes among the property classes; and
- the use of permissive tax exemptions.

**Sources of Revenue**

Revenue source	% of Total 2014 Revenue
Property taxes , grants in lieu & franchise Fees	21.8%
Parcel taxes	0.0%
User levies	13.4%
Fees and charges	36.8%
Grants and other	28.0%

*Objective*

For operations, to maintain annual increases to a level that approximates the annual increase in inflation unless a specific program or project is identified that requires tax revenue funding. For capital and fiscal, to review and address annually the long term needs for capital infrastructure.

*Policies*

- The City will review the fees/charges annually to ensure that they keep pace with changes in the cost-of-living, as well as, changes in the methods or levels of service delivery.
- The City will encourage the use of alternate revenue resources instead of property taxes.
- User fees will be set to recover the full cost of services except where Council determines that a subsidy is in the general public interest.

**Distribution of Property Tax Rates**

In establishing property tax rates, Council will take into consideration:

- The amount of property taxes levied as compared to other municipalities.
- The property class conversion ratio as compared to other municipalities.
- The tax share borne by each property class
- The tax ratios of each property classification

**City of Grand Forks  
Appendix B to Bylaw 1996  
Consolidated 5 Year Financial Plan 2014 - 2018  
Revenues, Property Taxes and Exemptions**

The City will receive the Revised Assessment Roll for 2014 in April and will set the property tax rates based on the assessment before May 15, 2014. The 2014 distribution of property tax rates amongst all the property classifications will not be known until then.

The distribution for 2013 were as follows:

Property Class	% of General Revenue Taxation
Residential	51.9347%
Utility	1.6893%
Major Industry	26.0002%
Light Industry	19.0238%
Business and Other	1.3242%
Recreation / Non-profit	0.0097%
Farm	0.0181%

*Objective*

To ensure equity among property classes by reviewing the ratios of property class allocations annually. In 2009 the industry tax ratio was lowered to 17.06 from 20.52. In 2013, the industry ratio was lowered to 9.92 from 10.55 in 2012. As well, in 2013, the business conversion ratio was lowered from 2.52 in 2012 to 2.39. In 2013 the light industry class was lowered from 2.96 to 2.93. For 2014, consideration for class conversion ratios will be considered in April.

*Policies*

- The City will review and set tax rates and shift each property classification's tax share annually until such time as Council deems the property classifications' share to be equitable.

**Permissive Tax Exemptions**

In guiding and approving permissive tax exemptions, Council will take into consideration:

- Not-for-profit occupiers of City property for the duration of their occupancy.
- Land and improvements surrounding a statutorily exempt building for public worship.

*Objective*

To optimize the provision of charitable and not for profit services for the benefit of Grand Forks residents, to provide property tax exemptions as permitted under the Community Charter in a consistent and fair manner, to restrict provision of exemption to those providing an extension to city services and to reduce the impact to city revenues.

*Policies*

Grand Forks residents must be primary beneficiaries of the organization's services and the services provided must be accessible to the public.

# Climate Action Revenue Incentive Program (CARIP) Public Report

## Climate Action Revenue Incentive (CARIP)

### Public Report for YEAR 2013

The Corporation of the City of Grand Forks

Regional District Kootenay Boundary



**Report Submitted by**

Wayne Kopan

Manager Building Inspections & Bylaw Services

wkopan@grandforks.ca

**March 3, 2014**

#### General Information

<b>Name of Local Government</b>	The Corporation of the City of Grand Forks
<b>Member of Regional District (RD)</b>	Regional District Kootenay Boundary
<b>Regional Growth Strategy (RGS) in region</b>	In Progress
<b>Population</b>	4,036

## Table of Contents

Community Wide Actions for 2013 .....	2
1.1 Measure .....	2
Community Wide Measurement Actions .....	2
1.2 Plan .....	2
Community Wide Targets .....	2
1.3 Reduce .....	2
Supportive Community Wide Actions .....	2
Direct Community Wide Actions .....	4
Corporate Actions for 2013 .....	7
2.1 Measure .....	7
Corporate Measurement Actions .....	7
2.2 Reduce .....	7
Supportive Corporate Actions .....	7
Direct Corporate Actions .....	9
2.3 Corporate Innovation .....	10
Carbon Neutral Progress Reporting .....	11
3.1 Carbon Neutral Progress Reporting .....	11
3.2 Making Progress on Your Carbon Neutral Commitment .....	11
3.3 Offset Provider Information .....	12

## Community Wide Actions for 2013

### 1.1 Measure

#### Community Wide Measurement Actions

<b>Question</b>	Have you been using the Community Energy and Emissions Inventory (CEEI) to measure progress? What else have you been using instead of/in addition to CEEI?
<b>Answer</b>	Yes
<b>Additional Information</b>	The City of Grand Forks has been collecting data through our Municipal and Fortis utility billing information. The fleet fuel and maintenance data has been collected through our fuel monitoring system and Carbon Neutral data spreadsheets.

### 1.2 Plan

#### Community Wide Targets

<b>Question</b>	Does your OCP(s) have targets, policies and actions to reduce GHG emissions, as per the requirements under the <i>Local Governments Act</i> (LGA)? If yes, please identify the targets set. If no or in progress, please comment.
<b>Answer</b>	Yes
<b>Additional Information</b>	The City's (SCP) Sustainable Community Plan has set the GHG emissions reduction target of 33% below the 2007 levels to be achieved by 2030.

### 1.3 Reduce

#### Supportive Community Wide Actions

<b>Action Type</b>	Broad Planning
<b>Actions Taken this Year</b>	The City Council has adopted the (SCP) Sustainable Community Plan. The (BAQC) Boundary Air Quality Committee and the City of Grand Forks have undertaken an Air Quality study with a Nephelometer on loan to the City by the University of Victoria. This study has been completed for 2013 with the committee finding several hot spots in our region with a

	majority of them attributed to inefficient wood heating appliances.
<b>Proposed Actions for Next Year</b>	With the Air Quality Study completed in 2013, the (BAQC) is now researching the possibility of purchasing a Nephelometer to continue with the Air Quality monitoring in our region.

Action Type	Building and Lighting
<b>Actions Taken this Year</b>	The City has partnered with the Carbon Neutral Kootenays to undertake an energy and lighting audit on six of our major facilities. The report has indicated areas in our facilities in which the reduction of emissions can be made. These areas will be addressed in our future budget planning
<b>Proposed Actions for Next Year</b>	These areas will be addressed in our future budget planning.

Action Type	Energy Generation
<b>Actions Taken this Year</b>	Solar initiatives are ongoing and being explored by the BAQC committee.
<b>Proposed Actions for Next Year</b>	The Solar Hot Water Plan for new construction is still in the ingestion and review stages at this time as this will also require a bylaw to be adopted by City Council which will indicate the location and size of trees which can be planted on private property.

Action Type	Green Space
<b>Actions Taken this Year</b>	The City is also committed to the replacement and replanting of trees within our community.
<b>Proposed Actions for Next Year</b>	This practice will continue in the years to come.

Action Type	Transportation
<b>Actions Taken this Year</b>	The Trans Canada Trail was paved from the 68th Avenue bridge to the old Railroad Bridge to East in 2013. This project has created better access for both cyclist and persons with disabilities, while reducing both maintenance and equipment cost. The City will continue to develop more pedestrian and cycling pathways as per the City's bicycle network plan as we

	move forward.
<b>Proposed Actions for Next Year</b>	Improvements and new areas will be developed as the operational budgets allow in 2014.

<b>Action Type</b>	<b>Waste</b>
<b>Actions Taken this Year</b>	The City and Regional District have been working together to develop and implement a Kitchen Waste recycling program in 2012 for our residential customers. (Green Bin Collection and Composting) This program has seen a significant reduction of the waste materials being deposited in our landfill.
<b>Proposed Actions for Next Year</b>	The City will be working with the Regional District to investigate the possibility of this program to be adapted to the commercial business within our community.

<b>Action Type</b>	<b>Water/Sewer</b>
<b>Actions Taken this Year</b>	City Council has approved the installation of water meters on residential properties to help reduce water consumption and pumping costs.
<b>Proposed Actions for Next Year</b>	The installation of water meters will commence early in the spring of 2014.

<b>Action Type</b>	<b>Other Actions</b>
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

#### Direct Community Wide Actions

<b>Action Type</b>	<b>Buildings</b>
<b>Actions Taken this Year</b>	The City is now responsible for building inspections and all changes of occupancy and improvements to a facility now have to be brought up to current building code standards. During processing of a business licence application the City now has the ability to check for building code compliance.

**Proposed  
Actions for  
Next Year**

Through the Sustainable Community Plan, the City plans to encourage the use of new green technologies in new building construction.

**Action Type      Energy Generation****Actions  
Taken this  
Year**

One event is the Solar cars races. The students design and build solar cars and then gather to race the cars. Through this program they learn about the potential of the sun's energy.

**Proposed  
Actions for  
Next Year**

The City is continuing to endorse solar events and promotional materials through the Economic Development Committee. The City has also installed new entrance signs both East and West of our community, these signs are illuminated at night by solar panels.

**Action Type      Transportation****Actions  
Taken this  
Year**

The City has adopted a new vehicle purchasing policy in 2012.

**Proposed  
Actions for  
Next Year**

The proposed purchases for this year will be the most fuel efficient and correct size vehicle for the tasks that vehicles will be used for. The City will also be working with the Sustainable Community Plan for further development of pedestrian and cycling pathways within the City.

**Action Type      Waste****Actions  
Taken this  
Year**

In 2013 the Yard & Garden waste collection has diverted approximately 74 tons of material, the Kitchen Waste Organics program has diverted approximately 218 tons and the Blue Bag recycling has diverted approximately 219 tons of material that used to go directly into the landfill.

**Proposed  
Actions for  
Next Year**

The Region District is in the process of developing a plan for compostable waste pickup for commercial businesses (restaurants, large grocery stores).

**Action Type      Water/Sewer****Actions  
Taken this  
Year**

The completion of the Sludge Management Plan, Waste Water Treatment Plant Assessment and the Multi Utility Risk Assessment.

<b>Proposed Actions for Next Year</b>	The Waste Water Treatment Plant Assessment will result in the replacement of the head works at the WWTP to reduce energy costs in the treatment and pumping of the waste materials, and the Multi Utility Risk Assessment will provide the vital information on infrastructure replace to reduce losses due to aging and leaking pipes.
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<b>Action Type</b>	<b>Green Space</b>
<b>Actions Taken this Year</b>	The City is also committed to the replacement and replanting of trees within our community.
<b>Proposed Actions for Next Year</b>	This practice will continue in the years to come.

<b>Action Type</b>	<b>Other Actions</b>
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

<b>Question</b>	Is there any activity that you have been engaged in over the past year(s) that you are particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible.
<b>Answer</b>	

## Corporate Actions for 2013

### 2.1 Measure

#### Corporate Measurement Actions

Question	What steps has your local government taken toward completing its corporate emissions inventory?
Answer	The City of Grand Forks has been collecting data through our Municipal and Fortis utility billing information. The Fleet Fuel and maintenance data has been collected through our fuel monitoring system and Carbon Neutral Data spreadsheets.

Question	What tool are you using to measure, track and report on your corporate emissions?
Answer	In 2012 the City incorporated the use of the SMARTtool program to enter and submit the data that we collect. The SMARTtool has proven to be an exceptional tool to collect and compile data throughout the year.

### 2.2 Reduce

#### Supportive Corporate Actions

Action Type	Broad Planning
Actions Taken this Year	The City of Grand Forks and Carbon Neutral Kootenays developed the Carbon Neutral Action Plan in 2012.
Proposed Actions for Next Year	To continue with the implementation of actions listed in the Carbon Neutral Action Plan.

Action Type	Building and Lighting
Actions Taken this Year	The Energy Audits have been completed on the City Hall, Fire Hall, Public Works, Gallery 2, Library and Airport Terminal facilities in Grand Forks.
Proposed Actions for Next Year	In 2013 the City installed new high efficiency furnaces in both the Fire Hall and Public Works facility. The City has also been replacing the large garage style bay doors at the

Public Works facility, with doors that have a greater insulating value and improved weather stripping. Although the City suffered a significant fire at our City Hall in September of 2013, this will provide the City with an opportunity to upgrade the heating and cooling systems (HVAC) as well as move towards the installation of LED lighting within this structure to decrease the overall energy consumption of this facility.

**Action Type      Energy Generation**

**Actions Taken this Year**      Due to budget restraint in 2013, some of the proposed plans had to be deferred to the next fiscal year.

**Proposed Actions for Next Year**      In 2014 the City is planning to continue with investigations into energy savings through solar initiatives.

**Action Type      Transportation**

**Actions Taken this Year**      The City has adopted a new vehicle purchasing policy.

**Proposed Actions for Next Year**      Proposed purchases for this year will be the most fuel efficient and correct size of vehicle for their intended use.

**Action Type      Water/Sewer**

**Actions Taken this Year**      In 2013 the City has completed several studies and plans in an effort to reduce water consumption and pumping costs. Examples of the reports completed in 2013 are Well and Aquifer Protection Plan, Water Supply Strategy Plan, Sludge Management Plan, Waste Water Treatment Plant Assessment, Multi Utility Risk Assessment.

**Proposed Actions for Next Year**      Commencement of the installation of water meters on the residential properties within Grand Forks.

**Action Type      Other Actions**

**Actions Taken this Year**

**Proposed Actions for Next Year**

## Direct Corporate Actions

<b>Action Type</b>	<b>Building and Lighting</b>
<b>Actions Taken this Year</b>	Several of the large equipment bay doors have been replaced with new doors with a higher R value and improved weather stripping to prevent heat loss from the building.
<b>Proposed Actions for Next Year</b>	The replacement of the 30 year old HVAC, roof top units at the Public Library and the reconstruction of City Hall.

<b>Action Type</b>	<b>Energy Generation</b>
<b>Actions Taken this Year</b>	Solar lighting of the entrance signs to the City.
<b>Proposed Actions for Next Year</b>	The 2013-14 budget will reflect the City's commitment to improving our GHG emissions on other Municipal facilities (Library and City Hall rebuild)

<b>Action Type</b>	<b>Fleet</b>
<b>Actions Taken this Year</b>	The City has adopted a new vehicle purchasing policy.
<b>Proposed Actions for Next Year</b>	Proposed purchases for this year will be the most fuel efficient and correct size of vehicle for their intended use.

<b>Action Type</b>	<b>Waste</b>
<b>Actions Taken this Year</b>	This is a Regional District function.
<b>Proposed Actions for Next Year</b>	The City will continue to work with the Regional District to improve collection of waste products.

<b>Action Type</b>	<b>Water/Sewer</b>
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<b>Actions Taken this Year</b>	Planning and studies to prepare for the water meter installation in 2014.
<b>Proposed Actions for Next Year</b>	Installation of water meters for the residential properties in Grand Forks.

<b>Action Type</b>	Green Space
<b>Actions Taken this Year</b>	The City is also committed to the replacement and replanting of trees within our community.
<b>Proposed Actions for Next Year</b>	This practice will continue in the years to come.

<b>Action Type</b>	Other Actions
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

## 2.3 Corporate Innovation

<b>Question</b>	Is there any activity that you have been engaged in over the past year(s) that you are particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible.
<b>Answer</b>	

## Carbon Neutral Progress Reporting

### 3.1 Carbon Neutral Progress Reporting

Emissions/Offsets	Tonnes CO2e
<b>Annual corporate emissions using SMARTTool or equivalent inventory tool</b>	<b>289</b>
<i>Emissions from services delivered directly by the local government</i>	289
<i>Emissions from contracted services</i>	
<b>Less:</b>	<b>0</b>
GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	
<i>Energy Efficient Building Retrofits and Fuel Switching</i>	
<i>Solar Thermal</i>	
<i>Household Organic Waste Composting</i>	
<i>Low Emissions Vehicles</i>	
<b>Less:</b>	<b>0</b>
GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects	
<i>Option 2 Project A</i>	
<i>Option 2 Project B</i>	
<i>Sum of Other Option 2 Projects (if you have added projects below)</i>	<b>0</b>
<b>Less:</b>	<b>289</b>
Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.	
<b>Balance of corporate emissions for this reporting year.</b> (If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)	<b>0</b>
<b>Additional "Option 2" Projects</b>	
<i>Option 2 Project C</i>	
<i>Option 2 Project D</i>	
<i>Option 2 Project E</i>	
<i>Option 2 Project F</i>	
<i>Option 2 Project G</i>	
<i>Option 2 Project H</i>	

### 3.2 Making Progress on Your Carbon Neutral Commitment

<b>Question</b>	If your community has not achieved carbon neutrality for this reporting year please describe the actions that you intend to take next year to move you toward your carbon neutral goal.
<b>Answer</b>	Through a resolution of Council we set up a Climate Action Reserve into which the City has contributed equivalent offset funding of \$8,019 for 2012 and \$7,245 for 2013. These amounts

represent the offsets claimed in the CARIP Report for the City.

### 3.3 Offset Provider Information

**Question** Please Identify the name(s) of your offset provider(s) (Please answer below):

**Answer**

**Question** The offsets being claimed in this CARIP Report were purchased from the offset provider(s) indicated above prior to making this CARIP report public (please indicate yes or no):

**Answer** No

**Question** If your community has not achieved carbon neutrality for this reporting year please describe the actions that you intend to take next year to move you toward your carbon neutral goal.

**Answer**

**BUILDING PERMIT SATISTICS FOR GRAND FORKS AND SUROUNDING AREA**

ELECTORIAL AREA		2012				2013				2014			
		TOTAL VALUE	# PERMITS	# UNITS	PERMIT FEE	TOTAL VALUE	# PERMITS	# UNITS	PERMIT FEE				
GRAND FORKS		RDKB STATISTICS											
S.F. D.		\$579,000.00	1	1	\$4,359.00	\$521,000.00	2	2	\$4,051.00				
MOBILE HOMES		\$350,700.00	3	3	\$625.00	\$0.00	0	0	\$0.00				
M/F UNITS (MODULAR)		\$5,300,000.00	1	48	\$42,066.00	\$0.00	0	0	\$0.00				
ADD/ALTER		\$499,200.00	31	0	\$3,074.00	\$134,300.00	13	0	\$992.00				
GARAGE/CARPORT		\$93,700.00	8	0	\$827.00	\$95,000.00	9	0	\$796.00				
COMMERCIAL		\$0.00	0	0	\$0.00	\$177,000.00	2	0	\$1,464.00				
COMM ADD/ ALTER		\$589,800.00	7	0	\$4,859.00	\$119,000.00	3	0	\$950.00				
INDUSTRIAL		\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
IND. ADD/ALTER		\$955,000.00	3	0	\$6,986.00	\$0.00	0	0	\$0.00				
INSTITUTIONAL		\$4,500,000.00	0	42	\$35,834.00	\$0.00	0	0	\$0.00				
INST. ADD/ALTER		\$259,700.00	2	0	\$1,898.00	\$15,000.00	1	0	\$138.00				
DEMOLITION		\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
RENEWALS		\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
TOTALS		\$13,127,100.00	56	94	\$100,528.00	\$1,061,300.00	30	2	\$8,391.00				

**CITY OF GRAND FORKS STATISTICS SINCE JULY 2, 2013**

GRAND FORKS		TOTAL VALUE	# PERMITS	# UNITS	PERMIT FEE	TOTAL VALUE	# PERMITS	# UNITS	PERMIT FEE
S.F. D.		\$0.00	0	0	\$0.00				
MOBILE HOMES		\$9,800.00	1	1	\$157.00				
M/F UNITS (MODULAR)		\$275,000.00	1	1	\$797.50				
ADD/ALTER		\$17,500.00	4	0	\$261.80				
GARAGE/CARPORT		\$42,000.00	2	0	\$409.00				
COMMERCIAL		\$0.00	0	0	\$0.00				
COMM ADD/ ALTER		\$70,000.00	2	0	\$669.00				
INDUSTRIAL		\$0.00	0	0	\$0.00				
IND. ADD/ALTER		\$0.00	0	0	\$0.00				
INSTITUTIONAL		\$0.00	0	0	\$0.00				
INST. ADD/ALTER		\$153,000.00	1	0	\$1,118.80				
DEMOLITION		\$9,500.00	2	0	\$60.00				
RENEWALS		\$0.00	0	0	\$0.00				
TOTALS		\$232,500.00	13	2	\$3,473.10				
TOTALS for GRAND FORKS and RDKB Combined 2013		\$1,293,800.00	43	4	\$11,864.10				

ELECTORIAL AREA		TOTAL VALUE	# PERMITS	# UNITS	PERMIT FEE	TOTAL VALUE	# PERMITS	# UNITS	PERMIT FEE	TOTAL VALUE	# PERMITS	# UNITS	PERMIT FEE
AREA "C"													
S.F. D.		\$5,463,000.00	18	18	\$43,901.00	\$1,908,000.00	7	7	\$15,186.00				
MOBILE HOMES		\$163,800.00	2	2	\$710.00	\$0.00	0	0	\$0.00				
M/F UNITS (MODULAR)		\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
ADD/ALTER		\$375,700.00	20	0	\$2,273.00	\$378,200.00	21	0	\$2,767.00				
GARAGE/CARPORT		\$515,800.00	20	0	\$4,266.00	\$524,400.00	15	0	\$1,477.00				
COMMERCIAL		\$0.00	0	0	\$0.00	\$100,000.00	1	0	\$800.00				
COMM ADD/ ALTER		\$132,000.00	1	0	\$1,000.00	\$17,500.00	2	0	\$132.00				
INDUSTRIAL		\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
IND. ADD/ALTER		\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
INSTITUTIONAL		\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
INST. ADD/ALTER		\$10,000.00	1	0	\$90.00	\$0.00	0	0	\$0.00				
RENEWALS		\$60,000.00	2	0	\$100.00	\$0.00	0	0	\$0.00				
TOTALS		\$6,720,300.00	64	20	\$52,340.00	\$2,928,100.00	46	7	\$20,362.00				

ELECTORIAL AREA AREA "D"	TOTAL VALUE	# PERMITS	# UNITS	PERMIT FEE	TOTAL VALUE	# PERMITS	# UNITS	PERMIT FEE	TOTAL VALUE	# PERMITS	# UNITS	PERMIT FEE
S.F. D.	\$1,947,585.00	6	6	\$15,259.00	\$1,421,360.00	6	6	\$11,900.00				
MOBILE HOMES	\$597,240.00	3	3	\$1,800.00	\$71,240.00	1	1	\$148.00				
M/F UNITS (MODULAR)	\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
ADD/ALTER	\$798,760.00	25	0	\$6,461.00	\$525,411.00	22	0	\$4,622.00				
GARAGE/CARPORT	\$526,540.00	22	0	\$4,294.00	\$555,710.00	17	0	\$5,609.00				
COMMERCIAL	\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
COMM ADD/ ALTER	\$145,000.00	1	0	\$1,074.00	\$0.00	0	0	\$0.00				
INDUSTRIAL	\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
IND. ADD/ALTER	\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
INSTITUTIONAL	\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
INST. ADD/ALTER	\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
RENEWALS	\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
TOTALS	\$4,015,125.00	57	9	\$28,888.00	\$2,573,721.00	46	7	\$22,279.00				

ELECTORIAL AREA AREA "E"	TOTAL VALUE	# PERMITS	# UNITS	PERMIT FEE	TOTAL VALUE	# PERMITS	# UNITS	PERMIT FEE	TOTAL VALUE	# PERMITS	# UNITS	PERMIT FEE
S.F. D.	\$3,257,940.00	11	11	\$25,750.00	\$1,796,820.00	9	9	\$14,642.00				
MOBILE HOMES	\$314,920.00	4	4	\$693.00	\$302,096.00	4	4	\$1,186.00				
M/F UNITS (MODULAR)	\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
ADD/ALTER	\$248,066.00	8	0	\$1,624.00	\$203,352.00	10	0	\$1,735.00				
GARAGE/CARPORT	\$201,392.00	8	0	\$1,638.00	\$297,160.00	15	0	\$2,439.00				
COMMERCIAL	\$40,000.00	1	0	\$288.00	\$0.00	0	0	\$0.00				
COMM ADD/ ALTER	\$24,000.00	1	0	\$203.00	\$0.00	0	0	\$0.00				
INDUSTRIAL	\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
IND. ADD/ALTER	\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
INSTITUTIONAL	\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
INST. ADD/ALTER	\$0.00	0	0	\$0.00	\$4,000.00	1	0	\$115.00				
RENEWALS	\$0.00	0	0	\$0.00	\$0.00	0	0	\$0.00				
TOTALS	\$4,086,318.00	33	15	\$30,196.00	\$2,603,428.00	39	13	\$20,117.00				