



AGENDA

GAS, POWER AND TELECOMMUNICATIONS COMMITTEE

April 11, 2019, 9:30 AM

LEGAL TRADITIONS COMMITTEE ROOM

Members

Councillor S. Chu, Chair
Councillor D. Farrell, Vice-Chair
Councillor J. Davison
Councillor J. Farkas
Acting Chief Financial Officer C. Male
Mayor N. Nenshi, Ex-Officio

1. CALL TO ORDER
2. OPENING REMARKS
3. CONFIRMATION OF AGENDA
4. CONFIRMATION OF MINUTES
 - 4.1 Minutes of the Regular Meeting of the Gas, Power and Telecommunications Committee, 2019 March 14
5. POSTPONED REPORTS
(including related/supplemental reports)
None
6. ITEMS FROM OFFICERS, ADMINISTRATION AND COMMITTEES
 - 6.1 Shaw Communications Presentation, GPT2019-0467
 - 6.2 Status of Outstanding Motions and Directions, GPT2019-0383
7. ITEMS DIRECTLY TO COMMITTEE
 - 7.1 REFERRED REPORTS
None

7.2 NOTICE(S) OF MOTION
None

8. URGENT BUSINESS

9. CONFIDENTIAL ITEMS

9.1 ITEMS FROM OFFICERS, ADMINISTRATION AND COMMITTEES

9.1.1 Summary of Current Proceedings, GPT2019-0385
Release By: 2022 April

Held confidential pursuant to Sections 23 (local public body confidence) and 24 (advice from officials) of the *FOIP* Act.

9.2 URGENT BUSINESS

10. ADJOURNMENT

Members may participate remotely if required.



MINUTES

GAS, POWER AND TELECOMMUNICATIONS COMMITTEE

**March 14, 2019, 9:30 AM
LEGAL TRADITIONS COMMITTEE ROOM**

PRESENT: Councillor S. Chu, Chair
Councillor J. Davison
Councillor J. Farkas
Acting Chief Financial Officer C. Male

ALSO PRESENT: Director B. Cullen
Regulatory Lead O. Shyllon
Senior Regulatory Analyst B. Whyte
Senior Regulatory Analyst R. Holberton
Acting City Clerk T. Mowrey
Legislative Assistant J. Dubetz

1. **CALL TO ORDER**

Councillor Chu called the Meeting to order at 9:31 a.m.

2. **OPENING REMARKS**

No opening remarks were provided at today's Meeting.

3. **CONFIRMATION OF AGENDA**

Moved by Councillor Farkas

That the Agenda for the 2019 March 14 Regular Meeting of the Gas, Power and Telecommunications Committee be confirmed, **after amendment by adding an item of Urgent Business, as follows:**

8.1 Invitation to Present to Gas, Power and Telecommunications Committee (Verbal), VR2019-0017.

MOTION CARRIED

4. **CONFIRMATION OF MINUTES**

4.1 Minutes of the Regular Meeting of Gas, Power and Telecommunications Committee, 2019 February 14

Moved by Acting Chief Financial Officer Male

That the Minutes of the Regular Meeting of the Gas, Power and Telecommunications Committee, held 2019 February 14, be confirmed.

MOTION CARRIED

5. POSTPONED REPORTS

None

6. ITEMS FROM OFFICERS, ADMINISTRATION AND COMMITTEES

- 6.1 Industry Update on Electricity, Natural Gas and Telecommunications, GPT2019-0265

Moved by Councillor Davison

That with respect to Report GPT2019-0265, the following be approved:

That the Gas, Power and Telecommunications Committee receive Report GPT2019-0265 for information.

MOTION CARRIED

- 6.2 Status of Outstanding Motions and Directions, GPT2019-0264

Moved by Acting Chief Financial Officer Male

That with respect to Report GPT2019-0264, the following be approved:

That the Gas, Power and Telecommunications Committee receive Report GPT2019-0264 for information.

MOTION CARRIED

- 6.3 Federal Review of Telecom, Broadcasting and Radio Act – Verbal - GPT2019-0333

Moved by Councillor Farkas

That with respect to Verbal Report GPT2019-0333, the following be approved:

That the Gas, Power and Telecommunications Committee receive Report GPT2019-0333 for information.

MOTION CARRIED

7. ITEMS DIRECTLY TO COMMITTEE

7.1 REFERRED REPORTS

None

7.2 NOTICE(S) OF MOTION

None

8. URGENT BUSINESS

- 8.1 Invitation to Present to Gas, Power and Telecommunications Committee (Verbal), VR2019-0017

Moved by Councillor Farkas

That with respect to Verbal Report VR2019-0017, the following be approved:

That, in response to a request by Shaw Communications, that the Gas, Power and Telecommunications Committee invite representatives of Shaw Communications to present to the Committee on 2019 April 11.

MOTION CARRIED

9. CONFIDENTIAL ITEMS

Moved by Councillor Davison

That in accordance with Sections 24 (Advice from officials) and 25 (Disclosure harmful to economic and other interests of a public body) of the *Freedom of Information and Protection of Privacy Act*, The Gas, Power and Telecommunications Committee now move into Closed Meeting, at 9:55 a.m., in the Legal Traditions Committee Room, to consider confidential matters with respect the following:

- 9.1.1 2019 Work Plan for Gas, Power and Telecommunications – Verbal, GPT2019-0334;
- 9.1.2 Status of Expenditures on Regulatory Interventions, GPT2019-0286; and
- 9.1.3 Update on Utility Regulatory Proceedings – Verbal, GPT2019-0335.

MOTION CARRIED

The Gas, Power and Telecommunications Committee moved into Public Meeting at 10:13 a.m. with Councillor Chu in the Chair.

Moved by Acting Chief Financial Officer Male

That the Gas, Power and Telecommunications Committee rise and report.

MOTION CARRIED

9.1 ITEMS FROM OFFICERS, ADMINISTRATION AND COMMITTEES

- 9.1.1 2019 Work Plan for Gas, Power and Telecommunications – Verbal, GPT2019-0334

People in attendance during the Closed Meeting discussions with respect to Report GPT2019-0334:

Administration: Clerk: T. Mowrey, J. Dubetz; Law: S. Russell; Advice: O. Shyllon; Observer: R. Holberton, B. Whyte, K. Hess.

Moved by Acting Chief Financial Officer Male

That with respect to Verbal Report GPT2019-0334, the following be approved:

That the Gas, Power and Telecommunications Committee direct that the confidential discussions remain confidential under Section 24 (advice from officials) of *the Freedom of Information and Protection of Privacy Act*.

MOTION CARRIED

9.1.2 Status of Expenditures on Regulatory Interventions, GPT2019-0286

People in attendance during the Closed Meeting discussions with respect to Report GPT2019-0286:

Administration: Clerk: T. Mowrey, J. Dubetz; Law: S. Russell; Advice: R. Holberton; Observer: O. Shyllon, B. Whyte, K. Hess.

Moved by Councillor Farkas

That with respect to Report GPT2019-0286, the following be approved:

That the Gas, Power and Telecommunications Committee:

1. Receive this report for information; and
2. Direct that this report and the attachment remain confidential under Section 24 (advice from officials) and 25 (disclosure harmful to economic and other interests of a public body) of the *Freedom of Information and Protection of Privacy Act*, and review by 2022, March.

MOTION CARRIED

9.1.3 Update on Utility Regulatory Proceedings – Verbal, GPT2019-0335

People in attendance during the Closed Meeting discussions with respect to Report GPT2019-0335:

Administration: Clerk: T. Mowrey, J. Dubetz; Law: S. Russell; Advice: O. Shyllon; Observer: R. Holberton, B. Whyte, K. Hess.

Distributions made with respect to Report GPT2019-0335, which are to remain confidential pursuant to Section 24 (Advice from officials) of the *Freedom of Information and Protection of Privacy Act*:

- A presentation dated 2019 March 14
- A document dated 2019 January 30.

Moved by Councillor Davison

That with respect to Verbal Report GPT2019-0335, the following be approved:

That the Gas, Power and Telecommunications Committee recommend that Council:

1. Direct Administration to implement the three-point guidelines contained in the distributed presentation for engagement; and

2. Direct that the verbal discussion and confidential distributions remain confidential pursuant to Section 24 (advice from officials) of *the Freedom of Information and Protection of Privacy Act*.

MOTION CARRIED

9.2 URGENT BUSINESS

None

10. ADJOURNMENT

Moved by Acting Chief Financial Officer Male

That this meeting adjourn at 10:17 a.m.

MOTION CARRIED

THE FOLLOWING ITEMS HAVE BEEN FORWARDED TO THE 2019 APRIL 08
COMBINED MEETING OF COUNCIL:

CONFIDENTIAL:

Update on Utility Regulatory Proceedings – Verbal, GPT2019-0335

The next Regular Meeting of the Gas, Power and Telecommunications Committee is scheduled to be held on 2019 April 11.

CONFIRMED BY COMMISSION/COMMITTEE ON

CHAIR

ACTING CITY CLERK

Chief Financial Officer's Report to
Gas, Power and Telecommunications
2019 April 11

ISC: UNRESTRICTED
GPT2019-0467

Shaw Communications Presentation

EXECUTIVE SUMMARY

Shaw Communications is making a presentation to the GPT Committee.

ADMINISTRATION RECOMMENDATION:

That the Gas, Power and Telecommunications Committee:

1. Receive this report for information

PREVIOUS COUNCIL DIRECTION / POLICY

BACKGROUND

INVESTIGATION: ALTERNATIVES AND ANALYSIS

Stakeholder Engagement, Research and Communication

Strategic Alignment

Social, Environmental, Economic (External)

Financial Capacity

Current and Future Operating Budget:

Current and Future Capital Budget:

Risk Assessment

REASON(S) FOR RECOMMENDATION(S):

ATTACHMENT(S)

1. Shaw Communications Presentation

Shaw Communications

Presentation to the Gas, Power and Telecommunications Committee

April 11, 2019



Shaw)

Shaw by the numbers



1.2M

Over 1.2 million
subscribers



10,000+

Employees
(after Total
Business
Transformation)



5.75M

Subscribe
rs

cable, internet, phone
and satellite services



\$61.8M

Shaw's total community
investment in Canada
(Fiscal 2011-Fiscal 2016)



2.5M Devices
100K Hotspots

Attachment 1
GPT2019-0467

Shaw)

Shaw in Calgary

A leader in technology - Shaw is headquartered in Calgary, and is Calgary's second largest employer*

Shaw has great network coverage throughout the City, and partners with world-leading organizations to provide cutting edge services – Comcast, Fujitsu, Nokia, and Cisco

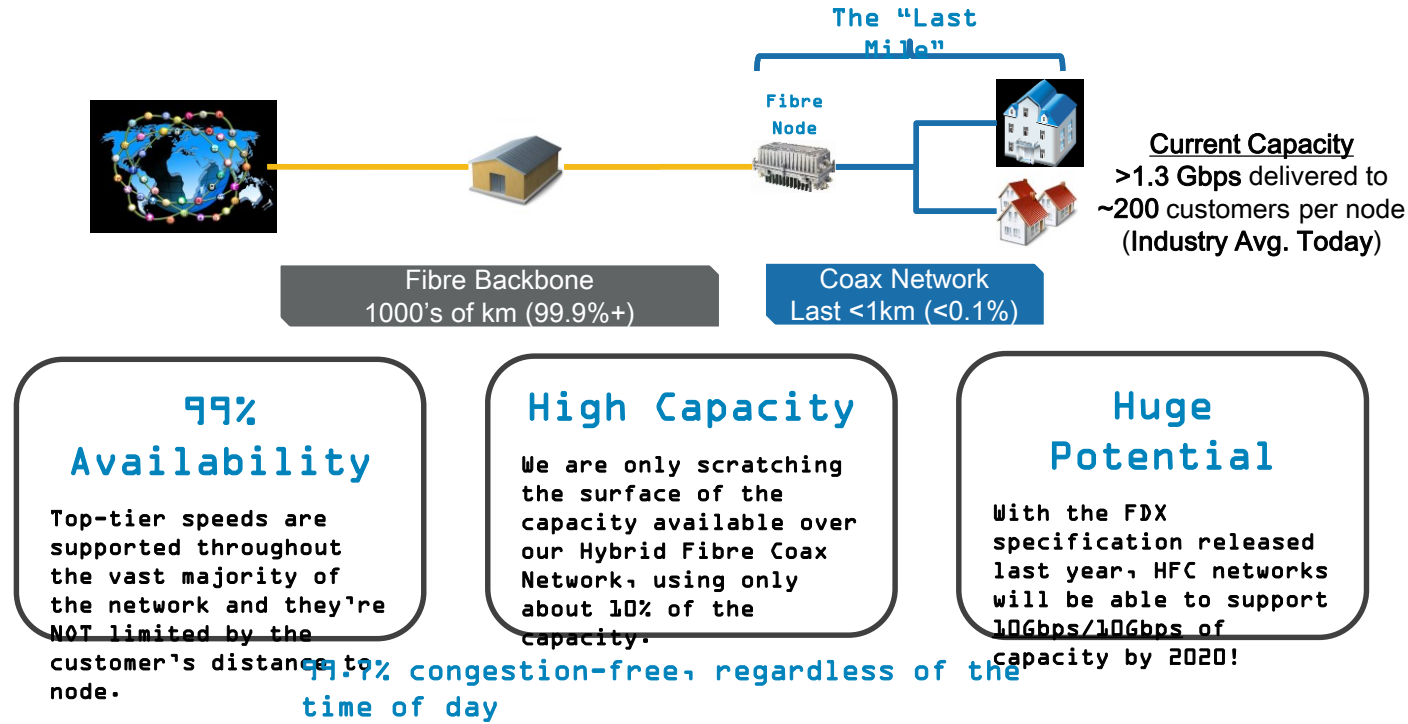
Freedom mobile continues to expand, and offers Calgarians a fourth wireless option, creating competition and decreasing prices.

Invested over \$400M in capital expenditure, and almost \$20M in community investment over the last 5 years in Calgary alone.

Attachment 1
GPT2019-0467

Shaw)

Overview | Our Hybrid Fibre Network



Attachment 1
GPT2019-0467

Overview | Powering Connectivity for Canada



Fibre Backbone

One of Canada's Largest Fibre Networks Spanning Coast to coast, over 1 million km's



19.2 Tbps

Metro Network Capacity in Serviceable Major Cities, **Delivering Future Ready Speeds for Canada.**



400 Gbps

Shaw has Completed Live Field Trials of 400Gbps Systems over 400 km Distances, Providing **One of Canada's Most Robust Networks.**



Managed WiFi
Shaw is **Canada's Largest Managed WiFi Provider**, managing over 100,000 WiFi Access Points

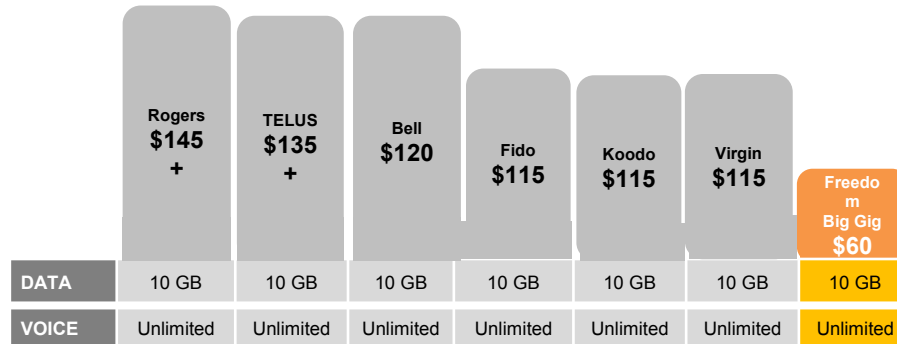
Attachment 1
GPT2019-0467

Shaw)

The Big Gig - Market Disrupter

Making High Speed Mobile Data More Affordable for Canadians

- The Big Gig: 10 GB / Unlimited Voice to Canada and US for \$60
- Our rates are roughly 50% lower than competitors.



1. <https://crtc.gc.ca/eng/publications/reports/PolicyMonitoring/2017/cmr2017.pdf>

Overview | Product Portfolio



Internet

DOCSIS and Fibre
solutions up to 100
Gbps for any use case



Voice

Business lines, Unified
Comms, Voice trunking
services



Data

Private data
connections
up to 100 Gbps



Video

Cable and Satellite
TV for all business
types in all segments



Data Centre & Cloud

Data center solutions
based out of the Calgary
flagship location

Attachment 1
GPT2019-0467

Overview | Product Roadmap

Shaw is committed to product development

- We are focused on launching products that are cloud based, managed and easy to use
- Shaw Business listens to customers to inform our product roadmap, ensuring we launch products that address customer needs.



SmartWiFi

A fully managed, enterprise-grade WiFi system with multiple SSID's, cloud management and insightful analytics.



SmartVoice

A fully-managed unified communications system with enterprise voice features and all software and hardware included.



SmartSecurity

A fully-managed network security solution which protects against the latest threats, using powerful cloud-based technologies.



SmartSurveillance

An enterprise-grade video surveillance solution with simple management through an online portal.

Attachment 1
GPT2019-0467

Overview | Technology for Smart Communities

Advanced technology that can improve government services



Managed WiFi



SmartSurveillance

- Provides an incredible amount of real time data that can be used for implementing Smart City transportation systems that **reduce travel times, bottle necks and accidents**
- Improves public safety by **enabling law enforcement** to pull video data in minutes through a login portal
- Provides **exceptionally fast WiFi service for people** waiting for and using transportation systems

Attachment 1
GPT2019-0467

Shaw Go WiFi and the City of Calgary

Shaw Go WiFi has over 10,000 hotspots at almost 6,000 locations across Calgary including over 200 hotspots in 44 municipal locations

Shaw Go WiFi and City of Calgary was signed in 2014, and set to expire in November

Shaw wants to keep and upgrade current infrastructure to allow for more capabilities and features for municipal use

Potential to provide rich transit analytics, unlimited, free WiFi at Calgary Housing facilities and other locations, potentially couple with Small Cell technology

Attachment 1
GPT2019-0467

**Chief Financial Officer's Report to
Gas, Power and Telecommunications
2019 April 11**

**ISC: UNRESTRICTED
GPT2019-0383**

Status of Outstanding Motions and Directions

EXECUTIVE SUMMARY

This report details the outstanding items for the Gas, Power and Telecommunications (GPT) Committee from the meeting of 2019 March 14.

ADMINISTRATION RECOMMENDATION:

That the Gas, Power and Telecommunications Committee:

1. Receive this report for information.

PREVIOUS COUNCIL DIRECTION / POLICY

The GPT Committee has directed that this report be prepared for each meeting.

BACKGROUND

For the specific items listed in Attachment 1, the background is available in the original report presented to GPT as well as the minutes of the applicable GPT meeting.

INVESTIGATION: ALTERNATIVES AND ANALYSIS

This report, and Attachment 1, provides a summary of outstanding items for the GPT Committee.

Stakeholder Engagement, Research and Communication

This report is in alignment with the mandate of the Gas, Power and Telecommunications Committee.

Strategic Alignment

This report is in alignment with the mandate of the Gas, Power and Telecommunications Committee.

Social, Environmental, Economic (External)

No implications arise from a review of the content of the report relative to The City's Triple Bottom Line (TBL) Policy Framework. The report aligns with The City's TBL Policy Framework.

Financial Capacity

Current and Future Operating Budget:

As the report does not propose a decision, there is no direct budget or business plan impacts.

Current and Future Capital Budget:

As the report does not propose a decision, there is no direct budget or business plan impacts.

Chief Financial Officer's Report to
Gas, Power and Telecommunications
2019 April 11

ISC: UNRESTRICTED
GPT2019-0383

Status of Outstanding Motions and Directions

Risk Assessment

This report tracks outstanding motions and directions from the GPT Committee to Administration. The report has no specific risk associated with it. Directions or motions with risk implications have those risks addressed in the context of a report on the directions or motions.

REASON(S) FOR RECOMMENDATION(S):

This report assists the Committee in tracking the regulatory work of the GPT Committee.

ATTACHMENT(S)

1. Attachment 1 - Status of Outstanding Motions and Directions.

STATUS OF OUTSTANDING MOTIONS AND DIRECTIONS

GPT2019-0383
Attachment 1

ITEM	DATE OF REQUEST	REQUEST	COMMITTEE DIRECTION	STATUS
Invitation to Shaw Communications Inc. to make a presentation at next GPT meeting	2019 March 14	Direction	Shaw Communications Inc. (Shaw) has expressed interest to make a 1 hour presentation to GPT Committee members. An invitation will be sent to Shaw to do so at the 2019 April 11 GPT meeting.	On-going
Send confidential item 9.1.3 - Update on Utility Regulatory Proceedings - to Council	2019 March 14	Direction	Send confidential item 9.1.3 from the 2019 March 14 GPT meeting – Update on Utility Regulatory Proceedings – to the April 8 Council meeting for information	On-going