





2014-15 ACHIEVEMENTS



16.1 PB of Network traffic transported

100 Gbps CAPACITY BETWEEN CALGARY AND EDMONTON



\$350,000 WORTH OF FREE CLOUD RESOURCES UTILIZED BY

ALBERTANS



44% INCREASE IN LEARNING AND ADVISORY PRESENTATIONS

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CONVERSATION WITH THE PRESIDENT

This past year, Cybera supported a broader range of Albertans than it ever has before. We have championed the digital causes we believe to be important for everyone to innovate and thrive. his is a crucial time for Canada. The demand for digital products and services is pushing our networking and computing infrastructure – and the telecommunications companies who manage them — to the brink of their capabilities. To ensure that Canada is able to take a lead in tomorrow's marketplace of ideas and services, we need the right resources and policies in place. Very soon, all Canadians will need the capability to transmit gigabits of data, and process terabytes of information.

To help achieve this, Cybera has consulted on the Government of Canada's federal cloud strategy. We have testified before a CRTC panel reviewing Wholesale Fibre Services, and in the next year we will provide feedback to its Basic Services Review on Canadians' minimum requirements for broadband access.

Here in Alberta, we have contributed our experience and understanding of digital technologies to help shape the province's ICT strategies. Last fall, we created a *State of Alberta Digital Infrastructure Report* that was used by the Government of Alberta to gain a better awareness of the cyberinfrastructure landscape.

There is a strong interest from many groups in Alberta in having a technology neutral, not-for-profit organization to serve as a trusted resource, and we are happy to put our knowledge to use in this vital way. Knowledge sharing continues to be an important function carried out by all Cybera staff. In the past year, we have presented at technical conferences and workshops across the globe, and led training sessions with our partner organizations. Cyberans are seeking to help others learn more about IT developments — including automation, software defined networking and cloud technologies — to increase the efficiency of their operations.

Cybera continues to use its network and cloud resources to bring the fastest (and most economical) internet and computing capabilities to the public sector. Every time we connect a school, or post-secondary institution, or library, that's another win. And we will keep working to score those wins. But if we can help shape government policy about how digital infrastructure is supplied to everyone, that's a win for all of Alberta and for Canada.

There's still a long way to go, but we're excited about what the future of digital innovation will bring, and the leading role Alberta is playing in this future.

FOUR AREAS OF IMPACT



1 PUTTING THE NETWORK TO USE

By working with municipal governments to open up city fibre networks, Cybera has helped forge new connections to education and government partners in Calgary and Edmonton's urban cores. Other upgrades to the network have allowed some areas to achieve speeds of up to 100 Gbps — 1,000 times faster than a typical business connection.

2014-2015 Network Achievements:

- •The amount of traffic transported over our network was 16.1 PB – a 55% increase from the previous year.
- •Capacity between Edmonton and Calgary increased tenfold from 10 Gbps to 100 Gbps.
- Cybera's Internet Buying Group rate dropped from \$11 to \$9.50 per Mbps, saving Cybera members at least another \$200,000 in commercial internet costs.
- •WestGrid, the Western partner of Compute Canada (which supplies supercomputers to researchers), transferred more than 5 PB of research data across Cybera and CANARIE's advanced networks. This represents a 22% increase from 2013-14. It highlights the continuing growth of big data, and the need to grow the network to keep up with demand.

NEW MEMBERS

In the past fiscal year, Cybera connected eight new school districts, three post-secondary institutions, two not-for-profit organizations, and one Arctic research enterprise to CyberaNet. The total number of Cybera members grew to 62.

PEERING AND INTERNET BUYING GROUP

Cybera's members are using our Peering Service and Internet Buying Group to dramatically decrease their internet costs. Peering offers direct connections to websites through the Research and Education Network, and the Internet Buying Group enables bulk-buying of commercial internet. Since the Buying Group was created in 2012, its set rate for internet has dropped three times (most recently in January 2015), to reach \$9.50 / Mbps by the end of the fiscal year. Last year alone, these shared networking services saved members over \$3 million.



NEW INTERNET BUYING GROUP AND/OR PEERING SERVICE MEMBERS

- •Alberta College of Art and Design
- Alberta Innovates Technology
 Futures
- Buffalo Trail Public Schools
- ·Calgary Girls' School
- Canadian Energy Research Institute
- Canatec Associates International Ltd.
- Concordia University of Edmonton
- Evergreen Catholic Regional Division No.2
- Foundations for the Future Charter Academy
- Glenmore Christian Academy
- Greater St. Albert Catholic School Division No.734
- Holy Family Catholic Regional Division No.37
- Lethbridge College
- ·Wetaskiwin Regional Public Schools

CYBERANET FOR INNOVATORS

Following the successful trial of connecting small business incubators to its network, Cybera has permanently connected one large Alberta incubator: Innovate Calgary's "Inc". This broadband connection will allow entrepreneurs in that space to use computing and networking resources at little or no cost, helping them build and bring their products to market much faster.

TESTING THE FUTURE OF NETWORKING TECHNOLOGIES

Software-defined networking (SDN) is a next-generation technology that blurs the boundaries between networks and computers. It allows administrators to increase network capacity and capabilities, while reducing operation costs. Cybera, CANARIE, BCNet and the University of Victoria have set up an SDN testbed to build expertise and springboard the development of services for SDN projects. Cybera is also working with international partners (SURFnet in The Netherlands, and the International Centre for Advanced Internet Research in the USA) to connect testbeds to explore opportunities for wide-area uses of SDN technologies.



PROFILE

CONNECT

Cybera's network helps University of Alberta researcher solving the world's energy problems

Laser fusion works by directing powerful beams of energy towards a fuel pellet. The pellet is heated up to an extraordinary degree, causing a fusion ignition. The heat this creates is directed towards external steam turbines, which produce useable electricity — about 1 GW worth per year. This is equivalent to the largest modern coal or gas-burning power plants.

The entire process produces no greenhouse gas, no continuous radioactive waste, and has no risk of meltdown. Laser fusion energy could help solve the world's energy and carbon emission issues.



This is what Dr. Robert Fedosejevs, Professor of Electrical & Computer Engineering at the University of Alberta and past president of the Canadian Association of Physicists, is working towards. His group is focusing on "fast ignition" of fuel pellets, which would reduce the energy required to power the fusion laser beam. The really exciting parts of his work are trialing his

ideas at the National Ignition Facility at the Lawrence Livermore National Laboratory in the USA. But the really important parts are carried out in his office in Edmonton.

The models created by his group track billions of particles as they interact. This requires the help of supercomputers, and a powerful network to allow the team to share their findings with physicists around the world. "This is a real technical challenge, and there are a lot of instabilities to work around," says Fedosejevs. "But if we get it right, this could be the way to solve all our energy problems: by bringing the power of the sun to Earth."

FOUR AREAS OF IMPACT



2 SUPPORTING INNOVATION AND BIG DATA

Innovation in Alberta requires access to computing tools that can process and make use of the province's mineable data streams. In the past year, Cybera has continued to expand provincial and national cloud services that are providing free compute resources to entrepreneurs and researchers. And within academia, Cybera's cloud and project management services are supporting Albertans who are tackling some of the most computationally-difficult problems on the planet.

2014-2015 INNOVATION ACHIEVEMENTS

• Over \$350,000 worth of Rapid Access Cloud and DAIR resources have been utilized, for free, by Albertans looking to trial and prove their ideas in the cloud before moving to production.

• Users of Alberta's cloud resources have increased by 140%

RAPID ACCESS CLOUD

In partnership with its members, Cybera has built and operates the Rapid Access Cloud for education, research and pre-production commercialization work. This local resource has been gaining traction among Alberta's innovators, and now hosts over 250 users, including 170 post-secondary researchers and 53 innovators from the not-for-profit sector. The innovations that have resulted from this resource includes a Minecraft server developed by Elk Island Public Schools that lets students simulate the life of Canadian pioneers. It was also used to build an app that draws on City of Calgary open data to help Calgarians quickly discover nearby courts or arenas that are available for sporting activities (see p. 13).

DAIR

The past fiscal year has seen the largest uptake of DAIR users (the Digital Accelerator for Innovation and Research) in its four-year history. The cloud resource, funded and administered by CANARIE in partnership with Cybera and Compute Canada, gives Canadian entrepreneurs free cloud computing tools to test new apps, products and online services before going to market. By the end of the 2014-15 fiscal year, there were 379 users in Canada — 157 in the Prairies alone — a 117% and 64% increase, respectively, from the previous year.



ARCTICCONNECT

ArcticConnect is a network-enabled platform that will offer the most accurate and comprehensive Arctic mapping, research and cultural data on the internet. Over the past year, developers have progressed in the development of the platform and mobile app, which will be launched in late 2015. Cybera has supported this project with cloud resources, project management and communications services. Project leaders from the University of Calgary have travelled across the globe to attract partners and users to the project, which is expected to create valuable new understandings of the effects of a rapidly changing environment on the Arctic.



CYBERSKA

With the Square Kilometre Array (SKA) — the world's largest radio telescope — now under construction in Australia and South Africa, researchers are working on the platform that will process the petabytes of astronomical data that will soon be collected. The CyberSKA platform has been upgraded over the past fiscal year to be simpler to use, and to enable

the processing of astrophysics and astronomy data. Project leaders from Calgary also organized the annual Astronomical Data Analysis Software and Systems conference, held in Alberta this past September. It featured over 200 global astronomy professionals, many of whom attended an OpenStack workshop led by Cybera's staff. Local project leaders have also begun coordinating the global delivery group - which will determine methods for moving the big data from the SKA. Cybera is providing project management and event support to the CyberSKA, which will also make use of CANARIE and Cybera's high-speed network to move the data.

ACTIVEFOLDERS

In December, the high-speed data transfer tool, ActiveFolders, was launched on CANARIE's Research Software Service Registry. The Dropbox-like tool is designed to meet the security and access needs of scientists who are sending big data files. ActiveFolders makes it quick and easy for researchers to transfer files in the terabyte size range and beyond. The project was funded by CANARIE, as part of its Research Software program, with project management and development support from Cybera.

PROFILE

Open data meets public cloud

Sportsity is a free app, powered by the Rapid Access Cloud, that utilizes the City of Calgary's open data. It is designed to help Calgarians quickly discover nearby courts and arenas that are available for outdoor sporting activities, such as tennis, baseball, volleyball, and soccer.

Bilal Karim, a Calgary-based innovator and tennis fanatic, needed powerful server resources to test his app before he could make it public. That's when he heard about the Rapid Access Cloud.



"Cybera made it easy — and fast — to configure and deploy our application," says Karim. "Once we compiled the final build of the application, we were up and running in a day!"

The app is now available for free use on both mobile and desktop platforms, and can be downloaded at http://sportsity.co. Since its launch in the spring of 2015.

Sportsity has helped 1,500+ users discover 580 locations across Calgary to play tennis, soccer, basketball and other popular outdoor sports.

Karim says the response to Sportsity has been so positive that his group is now focusing on adding more cities across Canada, as well as outdoor winter sporting activities — including hockey.







HOW CYBERA HELPS ALBERTANS

POST-SECONDARIES

Researchers and students at Alberta's post-secondary institutions use CyberaNet to carry out big data learning and analysis. The institutions also connect to shared services, including the Learning Management Cloud, to increase efficiencies and collaboration opportunities.

K-12

Cybera's high-speed network. By joining Cybera's shared internet buying group and other computing services, K-12 schools save millions each year, allowing them to invest more in quality education.



INNOVATORS

Startups have access to unlimited uploads and downloads at connected incubator spaces in Alberta, giving them unlimited opportunities for growing their data-intensive businesses. Innovators can also make use of Cybera's test cloud environment to pilot their digital ideas before taking them to production.

GOVERNMENTS

Governments and public sector organizations work with Cybera to open up access to public networks and data, providing new opportunities for Albertans to connect and compete in the global digital market. Municipalities also make use of Cybera's shared networking services to reduce operational costs.



FOUR AREAS OF IMPACT



3 SERVICE AND KNOWLEDGE SHARING

Shared services help schools, post-secondary institutions and municipalities adopt, build, work, and operate collaboratively on IT services that save time and money. In the past fiscal year, Cybera's economic benefit to the three biggest research universities in the province alone was over \$2 million. Cyberans are also committed to teaching Albertans about the benefits of digital technologies.

2014-2015 SHARING ACHIEVEMENTS

• Cybera joined the YYCIX (the Calgary Internet Exchange), providing a major boost of confidence to the site, which was set up in 2012 to keep local traffic local and make connections run more efficiently.

- After successfully completing Cybera's Virtual Computing Lab pilot, the University of Alberta rolled out the tool across campus, reducing operating costs.
- Improved monitoring tools allowed Cybera staff to resolve issues on the Learning Management Cloud faster, reducing any down-time of the resource.
- The number of learning or advisory presentations delivered by Cyberans rose 44% over the previous fiscal year.

SHARED FIREWALL

Over the past fiscal year, four of Cybera's K-12 members continued to successfully pilot a Shared Firewall service. The participants of this pilot are Chinook's Edge, Wild Rose, Canadian Rockies, and the Golden Hills school divisions. Their goal is to reduce maintenance and bandwidth costs through sharing a single firewall. Cybera is hosting the firewall equipment, as well as providing technical support for members looking to get connected to the Shared Firewall. Staff have also been encouraging use of this service among schools in Alberta as a means of creating greater efficiencies in their operations. The pilot is expected to run until July 2016.





LEARNING OPPORTUNITIES

Given the changing nature of technology, constant education is needed to keep up with new timeand money-saving advancements. Among its staff, Cybera emphasizes the need for learning and trialing of new technologies. This has resulted in Cyberans being acknowledged worldwide for their expertise in cloud computing and networking. The organization is also committed to passing on these learnings to anyone in Alberta who could benefit from this knowledge. In the past fiscal year, staff have presented at 36 conferences, workshops and meetings. Two of Cybera's current and former staffers also co-authored the OpenStack Operations Guide, published last spring. This outreach is helping promote awareness, understanding and adoption of technologies that can benefit people in all sectors.



Program Manager, May Lynn Lee



Network and Operations Director, Jean-Francois Amiot

PROFILE

Forging new opportunities in traditional learning fields

Golden Hills School Division, located in mid-eastern Alberta, serves a relatively small but incredibly diverse group of communities. Its 6,500 students are drawn from Hutterite colonies, a First Nations community, farms and acreages, as well as urban areas. As well as 17 regular schools, Golden Hills offers two Christian, two virtual, and three outreach schools; and one international program. This has created interesting challenges for the IT staff who, three years ago, were trying to get by on a 60 Mbps internet connection, at a cost of \$43/Mbps.



"We were throttling a lot of traffic before, and putting caps in place for the use of sites like YouTube, simply because we didn't have enough bandwidth," says Todd Kennedy, Manager of Technology Services for Golden Hills. "But we're not throttling at all now. Since joining Cybera three years ago, we've quickly expanded to a 300 Mbps connection. This has completely

SHARE

changed our culture, as we've been able to make everything completely accessible to staff and students."

Teachers are now using Google Hangouts more for sharing learning and ideas, and bringing in outside consultants. Students are able to access videos and game-based learning software at their schools. Kennedy says Golden Hills has begun using Voice over IP instead of traditional landline telephones, saving approximately \$40,000 a year. This past fall, his team also set up a full disaster recovery site in one of the schools, including phone call routing, which runs over the Cybera connection. "We're very proud of this – within one minute of one site failing, the other site will have it picked up and running."

But aside from the improved internet connection, Kennedy sees the human networking opportunities as one of the biggest benefits of being a Cybera member. "There's a huge advantage in us being able to partner with other schools and postsecondaries to share expertise and trial new technologies. Cybera has been the information hub that has allowed us to connect with other educators, which has proved invaluable for us."

FOUR AREAS OF IMPACT



4 ADVOCATING FOR A BRIGHTER TECH FUTURE

Cybera frequently voices the necessity for more shared services, network expansions, and improved internet efficiencies. Currently, there is a lack of high-quality, high-speed and affordable digital services across Alberta. This seriously hampers business growth and innovation in these areas (see profile, p. 27). Cybera is working with the public and education sectors to create a community that champions these vital digital services and utilities for everyone, everywhere.

2014-2015 ADVOCATING ACHIEVEMENTS

• Executives met with numerous provincial and federal government officials to discuss the digital needs of Canadians.

• Cybera participated in the ICT strategy committee led by Innovation and Advanced Education, which is guiding the direction of IT in Alberta for the next 5-10 years.

• Cybera's response to the CRTC's review of the regulatory status and policies covering telecommunications wholesale services garnered national attention, with CBC National News interviewing President and CEO Robin Winsor to get the public sector's view of this issue.

MAKING THE CASE FOR FAIR ACCESS TO FIBRE

Throughout 2014, Cybera participated in the CRTC review and subsequent hearing focused on the state of wholesale telecommunications services in Canada. The CRTC is hoping to determine whether these services (including fibre to the premises, or FTTP) should be unbundled and made more accessible to all service providers (both big and small). Cybera argued that the CRTC should mandate access to wholesale high-speed services, to ensure that internet and shared cloud services are one day made available to all Canadians who want them, at the level they need and can afford. Without such access, Canada's digital economy cannot reach its full potential.





THE STATE OF ALBERTA'S DIGITAL INFRASTRUCTURE

Keeping Alberta at the forefront of technological change requires an awareness of what infrastructure exists in the first place. This past fall, Cybera drafted a comprehensive inventory and review of Alberta's existing digital infrastructure landscape. This report which was made available to the public in November - looks at everything from connectivity and computing resources, to cybersecurity and the numbers of highly skilled personnel. It offers short-term (1-3 year) and longerterm (3-10 year) recommendations for guiding and building Alberta's future digital infrastructure, including increasing provincial bandwidth targets to 100 Mbps, and supporting the growth of data centre capacity in the province. The report can be viewed on Cybera's website at: http://www. cybera.ca/assets/Publications/Stateof-Infrastructure-Report-Nov-14.pdf.





PROFILE

High-tech farmer looking for a high-speed connection

Chris Perry is a fourth-generation potato farmer living in Chin, Alberta. He is also the president of CKP Farms, which is committed to taking farming to the next level of green engineering. Perry often tests new technologies to help run his 4,000-acre farm in the most ecologically responsible way possible. This includes an anaerobic digester, installed in 2012, that generate electricity from the farm's bio-waste.

Living in rural Alberta, Perry has experienced the frustrations of trying to develop his business on a spotty internet connection.



"It's very difficult to communicate with researchers and other farmers, particularly those I want to send video and picture files of our operations, with low-speed internet," says Perry. He says he supports Cybera's efforts to close the digital divide between urban and rural areas.

ADVOCATE

"I have a lot of ideas for further ways to increase efficiencies

or reduce the energy use of my operations, and it would be nice to have access to the computational means necessary to make it happen!"



CYBERA STAKEHOLDERS

BOARD OF DIRECTORS

In the last fiscal year, three Cybera board members stepped down, and four new members joined. The new appointments are: Jaymon Lefebvre (Wild Rose School Division); Dr. Mike MacGregor (University of Alberta); Matt Norton (Lethbridge College); and Darryl Vleeming (Capital Power). Mike Battistel (Athabasca University) became the Vice-Chair of the board.

The newly structured board has begun brainstorming the next operational steps for Cybera, as it moves to a new three-year business strategy. It has also completed an HR review of Cybera's employee classification system.

CYBERA BOARD











is the Associate Vice a professor of software engineering at the

PETER SINGENDONK

(Chair) is the Director, Strategic **Operations and Technical** Operations at Cisco Systems, Canada

MIKE BATTISTEL

(Vice Chair) is the Vice President, Information Technology at Athabasca University

JAYMON LEFEBVRE

is the Director of Technology for Wild Rose School Division in Rocky Mountain House, Alberta

DR. MIKE MACGREGOR

is a Professor in the Department of Computing Science, and Vice Provost and Associate Vice President (IT), at the University of Alberta

FRANK MAURER

President (Research) and University of Calgary



is the Director. Information Technology Services at Lethbridge College



DARRYL VLEEMING is the Vice President, Information Systems, and Chief Information Officer at Capital Power.





JUSTIN WEBB is the Director, Strategic Outsourcing Delivery, Western Canada at IBM

Development Society





COMMUNITY CONVERSATIONS

Continuing dialogues with Cybera's member and stakeholder community is vital for keeping operations useful and on-target. Cyberans like to know that what they are doing is helping to increase efficiencies and innovate in novel ways. They also want to hear when changes need to be made. To maintain a constant flow of dialogue, Cybera's staff use a variety of methods to communicate with members, including blogs, emails and social media updates.

To promote an atmosphere of openness, Cybera has also developed a number of interactive tools and metrics that let members see, at any moment, how the network and cloud resources are operating, at what cost and capacity, and where they fit in. These tools include:

- An online map pinpointing members and their connection types
- Live metrics that show the number of members, services being used, and the savings members are making using these services
- An online user portal that members log into to measure their own network usage,
- how it compares to others, and to instantly request more or less bandwidth.

CYBERA CONNECTION & MEMBERSHIP TYPES



2014-2015 CYBERA MEMBERS NET BENEFITS

OTHER (\$230,000) (5%)



2014 CYBER SUMMIT

The 2014 Cyber Summit focused on "Crowdsourcing Innovation". The goal was to show how educators, researchers and innovators in the province could pool resources on technological development, creating world-leading ideas at service-sharing costs. Over 180 attendees from across Western Canada attended, with sessions on Implementing Federated Identity, Net Neutrality Next Steps, and Effective Crowdsourcing proving very popular.







9 MEDIA STORIES



FACEBOOK LIKES

1,392 TWITTER **FOLLOWERS**



0

NEW CORPORATE VIDEO

FINANCIAL STATEMENTS OF CYBERA INC.

YEAR ENDED MARCH 31, 2015

INDEPENDENT AUDITORS' REPORT

To the Members of Cybera Inc.:

We have audited the accompanying financial statements of Cybera Inc., which comprise the statement of financial position as at March 31, 2015, the statement of operations, changes in net assets and cash flows for the year then ended, and notes comprising a summary of significant accounting policies and other explanatory information.

MANAGEMENT'S RESPONSIBILITY FOR THE FINANCIAL STATEMENTS

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Canadian accounting standards for notfor-profit organizations, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

AUDITORS' RESPONSIBILITY

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, we consider internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

OPINION

In our opinion, the financial statements present fairly, in all material respects, the financial position of Cybera Inc. as at March 31, 2015, and its results of operations and its cash flows for the year then ended in accordance with Canadian accounting standards for not-for-profit organizations.

KPMG LLP Chartered Accountants

June 24, 2015 Calgary, Canada

STATEMENT OF FINANCIAL POSITION

March 31, 2015, with comparative information for 2014

		2015		2014
ASSETS				
Current assets:				
Cash and cash equivalents	\$	1,083,579	\$	619,881
Accounts receivable (note 2)		539,357		786,528
Prepaid expenses		32,287		48,958
	\$	1,655,223	\$	1,455,367
Property and equipment (note 3)		190,943		321,273
	\$	1,846,166	\$	1,776,640
I JABII ITIES AND NET ASSETS				
Accounts payable and accrued liabilities (note 4)	¢	521 672	¢	501 766
Deferred revenue (note 5)	φ	183 592	φ	410 426
	¢	715 265	¢	015 102
	φ	113,203	ψ	515,152
Net assets (note 6)		1,130,901		861,448
Economic dependence (note 7)				
	\$	1,846,166	\$	1,776,640

See accompanying notes to financial statements.

Approved by the Board:

P. Smalek Fronk Aldur-Peter Singendonk Frank/Maurer

STATEMENT OF OPERATIONS

Year ended March 31, 2015, with comparative information for 2014

		2015		2014
Revenues:	.	0 700 000	•	0 500 710
Project	\$	2,706,608	\$	2,520,719
Grant		2,454,603		3,104,597
Membership		411,102		314,186
Other		26,130		11,237
Interest		11,586		22,207
	\$	5,610,029	\$	5,972,946
Expenses:				
Proiect		2.783.504		3.164.609
Infrastructure		1 298 974		1 244 287
General and administrative		467 768		534 972
Project and partnership development		129 720		188 952
Marketing and communications		102 016		206 200
		190,010		390,399
Depreciation		162,594		147,084
	\$	5,340,576	\$	5,976,303
Excess (deficiency) of revenues over expenses	\$	269,453	\$	(3,357)

See accompanying notes to financial statements.

STATEMENT OF CHANGES IN NET ASSETS

Year ended March 31, 2015, with comparative information for 2014

	2015	2014
Net assets, beginning of year	\$ 861,448	\$ 864,805
Excess (deficiency) of revenues over expenses	269,453	(3,357)
Net assets, end of year	\$ 1,130,901	\$ 861,448

See accompanying notes to financial statements.

STATEMENT OF CASH FLOWS

Year ended March 31, 2015, with comparative information for 2014

	2015		2014
CASH PROVIDED BY (USED IN):			
Operations:			
Excess (deficiency) of revenues over expenses Add item not affecting cash:	\$ 269,453	\$	(3,357)
Depreciation	162,594		147,084
	\$ 432,047	\$	143,727
Changes in non-cash working capital:			
Accounts receivable	247,171		147,337
Goods and services tax receivable	-		5,631
Prepaid expenses	16,671		(26,878)
Long term accounts receivable	-		33,452
Accounts payable and accrued liabilities	26,907		200,507
Deferred revenue	(226,834)	(1,030,186)
	\$ 495,962	\$	(526,410)
Investments:	(22.264)		(220 022)
Purchase of property and equipment	(32,204)		100 002
	 		100,302
	\$ (32,264)	\$	(238,030)
Increase (decrease) in cash and cash equivalents	463,698		(764,440)
Cash and cash equivalents, beginning of year	619,881		1,384,321
Cash and cash equivalents, end of year	\$ 1,083,579	\$	619,881

See accompanying notes to financial statements.

NOTES TO FINANCIAL STATEMENTS

Year ended March 31, 2015, with comparative information for 2014

GENERAL

Cybera Inc. ("Cybera") was incorporated on January 12, 1994 under Part II of the Canada Corporations Act as a corporation without share capital as WurcNet Inc. In 1999 it changed its name to Netera Alliance Inc. and in 2007 it changed its name to Cybera Inc. Cybera was continued under the Canada Not-For-Profit Corporations Act on November 27, 2013.

Cybera is an Alberta-based, not-for-profit alliance that manages large-scale interinstitutional information and communication technology projects, including research networks, high performance computing resources, digital content projects and collaboration facilities.

The objectives of Cybera are to provide information and communications infrastructure, project management, advocacy and technical expertise to leverage the resources, skills and services of its members, without preference or partiality to any individual member.

As a not-for-profit organization, the income of Cybera is not subject to tax under paragraph 149(1)(I) of the Income Tax Act (Canada).

1. SIGNIFICANT ACCOUNTING POLICIES

The financial statements have been prepared by management in accordance with Canadian accounting standards for not-for-profit organizations.

(a) Revenues

Revenue from membership dues is recognized evenly over the term of the membership.

Project and grant revenues, which are comprised of contributions towards project and infrastructure costs, are recognized using the deferral method. Under this method, restricted contributions are recognized as revenue when the related project costs are incurred. Restricted contributions received in a period before the related expenses are incurred are accumulated as deferred revenue. Unrestricted contributions are recognized as revenue when received or receivable.

Interest income is recognized when earned.

(b) Project expenses

As part of the development of applications for high speed networks, Cybera provides funding for certain research and development projects. Cybera charges costs incurred on these projects to operations as incurred. Typically, Cybera does not retain ownership rights in the results of these projects, rather, these rights reside with the project participants on a basis defined in the respective project agreements.

(c)Cash and cash equivalents

Cybera considers deposits in banks, certificates of deposit and short-term investments with original maturities of three months or less as cash and cash equivalents.

(d) Property and equipment

Property and equipment is recorded at cost. Depreciation of property and equipment is provided using the straight-line method at a rate of one-third of cost per year.

(e) Donations of services:

Cybera receives from its members and others, donations of professional time, services and office support. The value of these donations is not included in these financial statements as the related fair value cannot be reasonably determined.

(f) Use of estimates

The preparation of the financial statements in conformity with Canadian accounting standards for not-for-profit organizations requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the dates of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Estimates include the valuation of accounts receivable, estimated life of property and equipment and accrued liabilities. Actual results could differ from those estimates.

(g) Financial instruments:

Financial instruments are recorded at fair value on initial recognition. Freestanding derivative instruments that are not in a qualifying hedging relationship and equity instruments that are quoted in an active market are subsequently measured at fair value. All other financial instruments are subsequently recorded at cost or amortized cost, unless management has elected to carry the instruments at fair value. Cybera has not elected to carry any such financial instruments at fair value.

Transaction costs incurred on the acquisition of financial instruments measured subsequently at fair value are expensed as incurred. All other financial instruments are adjusted by transaction costs incurred on acquisition and financing costs, which are amortized using the effective interest rate method. Financial assets are assessed for impairment on an annual basis at the end of the fiscal year if there are indicators of impairment. If there is an indicator of impairment, Cybera determines if there is a significant adverse change in the expected amount or timing of future cash flows from the financial asset. If there is a significant adverse change in the expected cash flows, the carrying value of the financial asset is reduced to the highest of the present value of the expected cash flows, the amount Cybera expects to realize by exercising its right to any collateral. If events and circumstances reverse in a future period, an impairment loss will be reversed to the extent of the improvement, not exceeding the initial carrying value.

2. ACCOUNTS RECEIVABLE

Included in accounts receivable are government remittances receivable of \$9,511 (2014 - \$nil), which include amounts receivable for input tax credits.

3. PROPERTY AND EQUIPMENT

			2015	2014
	Cost	Accumulated amortization	Net book value	Net book value
Computer equipment	\$ 663,769	\$ 472,826	\$ 190,943	\$ 321,273

4. ACCOUNTS PAYABLE AND ACCRUED LIABILITIES

Included in accounts payable and accrued liabilities are government remittances payable of \$nil (2014 - \$45), which include amounts payable for payroll related taxes.

5. DEFERRED REVENUE

Deferred revenue represents restricted contributions received that relate to expenses of future years. Contributions are recorded as deferred revenue until the related expenditures have been incurred.

The components of deferred revenue as at March 31 were as follows:

	2015		2014
Balance, beginning of year	\$ 410,426	\$	1,440,612
Less amounts recognized as revenue in the year	(410,426)	()	1,440,612)
Add amounts received related to expenses of future periods	183,592		410,426
	\$ 183,592	\$	410,426

6. NET ASSETS

In the event of dissolution or winding-up of Cybera, all of its remaining assets, after payment of its liabilities, would be distributed to other not-for-profit organizations.

7. ECONOMIC DEPENDENCE AND GOVERNMENT ASSISTANCE

Cybera's future operations are dependent on continued funding from the Alberta Government.

Cybera periodically applies for financial assistance under available government incentive programs. Government assistance relating to research and development expenditures is recorded as a reduction of current year expense when the related expenditures are incurred.

8. FINANCIAL INSTRUMENTS AND RELATED RISKS

Fair value of financial assets and financial liabilities:

Financial instruments include cash and cash equivalents, accounts receivable and accounts payable and accrued liabilities. The fair value of these financial instruments approximates their carrying value due to their short term nature.

(a)Credit risk

Accounts receivable are subject to minimal credit risk as the majority of the receivables are from government-sponsored institutions. Cash is held at financial institutions that are considered to be credit worthy by Cybera.

(b) Market risk

Cybera is exposed to the following types of market risk:

(i) Foreign currency risk

Foreign currency exposure arises from the holding of a U.S. bank account and transactions with foreign companies. Cash held in foreign currencies as at March 31, 2015 and 2014 was minimal.

(ii) Interest rate risk:

Interest rate risk arises from the holdings of fixed income securities. For every 0.25% change in interest rates, the annual change in interest income would be approximately \$2,178 (2014 - \$3,504)

(c)Liquidity risk:

Liquidity risk is the risk that Cybera will be unable to fulfill its obligations on a timely basis or at a reasonable cost. Cybera is not exposed to significant liquidity risk and manages its liquidity risk by monitoring its operating requirements.

As part of its role as a driver of digital technologies in Alberta, Cyberans are frequently testing new equipment or services that can create better efficiencies, understandings, or, at the very least, a fun workplace.

TECH IN THE OFFICE



ere are some of the technologies that are currently floating around our Edmonton and Calgary offices:

TELEPRESENCE ROBOTS

Cybera staff use telepresence robots, nicknamed Slim and Biff, to telecommute with each other. The Double Robotics systems are made up of an iPad attached to a moveable body. The tool has enabled staff to work from anywhere in the world while still having a physical presence at the office. Slim and Biff were on scene at the 2013 and 2014 Cyber Summits, allowing remote visitors to mingle with the speakers and attendees. They are also frequently loaned out to other offices, demonstrating the usefulness of remote presence technologies in many different sectors.

VIRTUAL REALITY

The Oculus Rift is one of the biggest Kickstarter success stories of all time. The Rift virtual reality headset lets players step inside their favourite games and virtual worlds and interact with them in a 3D environment. Beyond video games, the device shows promise in a variety of fields, including tourism, filmmaking, medicine, architecture, space exploration, and crime-fighting. Cybera staff have been trialing this device over the past year, looking at potential uses in datacentre or network monitoring, or as a data visualization tool.

3D PRINTING

Cybera's Ultimaker 2 is the most recent tech addition to the office. The chance to print anything that can be imagined has made the inner child within each Cyberan very excited! But 3D printing also offers practical uses for work spaces. Staff looking to create specialized tools or attachments for computing and networking equipment have found the versatility of the printer very useful. There is still a lot of trial and error involved in this new technology, but Cyberans see great potential for its use in remote or rural offices, where staff are often required to tap into their inner MacGyver to find resourceful solutions to problems.



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