# FW: FOR APPROVAL: latest tech Strategy draft

Thursday, March 24, 2016
3:42 PM

| Subject | **FW: FOR APPROVAL: latest tech Strategy draft** |
|---|---|
| From | Nicholls, Cloe JTST:EX |
| To | Mingay, Rob JTST:EX |
| Cc | Seeley, Erin JTST:EX |
| Sent | Wednesday, October 21, 2015 9:15 PM |
| Attachments | BC Tech Strategy d... |

Rob,

I've seen this a few times already – I don't think the text is that concerning, but I have one small edit to suggest (underlined); I also provided an update for you on what we are already doing to deliver. Also looping in Erin. Let me know if you need one of us to respond to Kendra.

- s.13

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‹s.13,s.16

**From:** Greek, Kendra JTST:EX
**Sent:** Wednesday, October 21, 2015 3:45 PM
**To:** Mingay, Rob JTST:EX
**Cc:** Nicholls, Cloe JTST:EX; MacDonald, Scott D JTST:EX
**Subject:** FOR APPROVAL: lastest tech Strategy draft

Hi Rob,

Scott has signed off on this document, but wanted to make sure you were okay with the text specific to immigration (PNP and Express Entry) highlighted on page 8.

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s.13          . Please let me know if you are in agreement.
Thanks
Kendra

**From:** Steggles, Amy GCPE:EX
**Sent:** Monday, October 19, 2015 5:06 PM

**To:** Davidson, Heather (ADM) HLTH:EX; Schuckel, Victoria M HLTH:EX; Loughran, Tony D AVED:EX; McCrea, Jennifer EDUC:EX; Winkelmans, Tim EDUC:EX; MacDonald, Scott D JTST:EX; Mingay, Rob JTST:EX; Greek, Kendra JTST:EX; Higgs, Jeremy JTST:EX; Little, Christine SBRT:EX; Sawchuk, Bindi MIT:EX; Lansdell, Hayden MIT:EX; Laaksonen-Craig, Susanna ENV:EX; Coney, David ENV:EX; Stewart, Melanie CSCD:EX; Stanford, Susan MTIC:EX; Burton, Danielle MTIC:EX; Gleeson, Kelly T GCPE:EX; Wood, Gillian CSCD:EX; Blewett, Tyann M CSCD:EX; 'Jeremy Coad'; Coad, Jeremy A MTIC:EX; Macpherson, Fiona HLTH:EX; Steggles, Amy GCPE:EX; Mihlar, Fazil AVED:EX; Hume, David GCPE:EX; Ritchie, CJ HLTH:EX; Schollen, Tasha GCPE:EX; Schollen, Tasha GCPE:EX; Plecas, Bobbi PREM:EX; Laurence, Katherine GCPE:EX; Schmidt, Tracee HLTH:EX; Nankivell, Nathan MIT:EX; Wilton, Jan MIT:EX; Wempe, Sarah MIT:EX; Champion, Denise GCPE:EX; Boyd, Wes MTIC:EX; Hayes, Brooke MTIC:EX; Reeve, Soledad ENV:EX; Whittier, Joanne GCPE:EX; Maslany, Orest J MTIC:EX; Bussler, Oliver ENV:EX; Spence, Suzanne ENV:EX

**Cc:** Heiman, Carolyn GCPE:EX; Mulholland, Lauren GCPE:EX; Keenan, Jason GCPE:EX; Anderson, Erin GCPE:EX; Porter, Rodney GCPE:EX; Plank, Sarah GCPE:EX; Crebo, David GCPE:EX; Rhodes, Gillian GCPE:EX

**Subject:** lastest tech Strategy draft - edits by end of day tomorrow

Hello all,

Here's the draft with the stories section included.

I look forward to everyone's edits tomorrow!

Note, I haven't included any edits from today's meeting as I get the feeling that you're all over those.

Cheers,

Amy

Amy Steggles

Writing & Editorial

Government Communications and Public Engagement

250 387-0760

Page 03 to/à Page 24

Withheld pursuant to/removed as

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# UPDATE? Tech Strategy REVISED: request to update announceables

Thursday, March 24, 2016
3:42 PM

| Subject | **UPDATE? Tech Strategy REVISED: request to update announceables** |
|---|---|
| From | White, Sunny JTST:EX |
| To | Seeley, Erin JTST:EX; Nicholls, Cloe JTST:EX |
| Sent | Tuesday, August 18, 2015 9:34 AM |
| Attachments | Copy of tech strategy p... |

Hi Erin/Cloe

Rob is a member of this committee and as you can see we've been asked to provide any updates re attached. I've highlighted a couple of things on the "FUNDED" tab that relate to Rob Mingay's area. Wondering if either of you would be able to provide any updated information to me by Thursday morning?

Thanks, Sunny

**From:** Burton, Danielle MTIC:EX
**Sent:** Tuesday, August 18, 2015 9:27 AM
**To:** Ritchie, CJ MTIC:EX; Stanford, Susan MTIC:EX; Davidson, Heather (ADM) HLTH:EX; Bell, Carolyn P HLTH:EX; Schuckel, Victoria M HLTH:EX; Plecas, Bobbi AVED:EX; Loughran, Tony D AVED:EX; McCrea, Jennifer EDUC:EX; Winkelmans, Tim EDUC:EX; Greek, Kendra JTST:EX; Higgs, Jeremy JTST:EX; MacDonald, Scott D JTST:EX; Mingay, Rob JTST:EX; Sawchuk, Bindi MIT:EX; Lansdell, Hayden MIT:EX; Laaksonen-Craig, Susanna ENV:EX; Stewart, Melanie CSCD:EX; Wood, Gillian CSCD:EX; Gleeson, Kelly T GCPE:EX; Schollen, Tasha GCPE:EX; Little, Christine MIT:EX
**Cc:** Coad, Jeremy A MTIC:EX; Crisp, Leah HLTH:EX; Fountain, Kathy B AVED:EX; Cameron, Tara D AVED:EX; Walker, Kim EDUC:EX; Charlton, Julie JTST:EX; White, Sunny JTST:EX; Albrecht, Christine MIT:EX; Ireland, Shannon L ENV:EX; Shatzko, Pam J CSCD:EX; Vaux, Shelagh CSCD:EX
**Subject:** Tech Strategy REVISED: request to update announceables

Attached is the revised spreadsheet. I apologize for the previous version.

Danielle

**From:** Burton, Danielle MTIC:EX
**Sent:** Tuesday, August 18, 2015 8:40 AM
**To:** Ritchie, CJ MTIC:EX; Stanford, Susan MTIC:EX; Davidson, Heather (ADM) HLTH:EX; Bell, Carolyn P HLTH:EX; Schuckel, Victoria M HLTH:EX; Plecas, Bobbi AVED:EX; Loughran, Tony D AVED:EX; McCrea, Jennifer EDUC:EX; Winkelmans, Tim EDUC:EX; Greek, Kendra JTST:EX; Higgs, Jeremy JTST:EX; MacDonald, Scott D JTST:EX; Mingay, Rob JTST:EX; Sawchuk, Bindi MIT:EX; Lansdell, Hayden MIT:EX; Laaksonen-Craig, Susanna ENV:EX; Stewart, Melanie CSCD:EX; Wood, Gillian CSCD:EX; Gleeson, Kelly T GCPE:EX; Schollen, Tasha GCPE:EX; Little, Christine MIT:EX
**Cc:** Coad, Jeremy A MTIC:EX; Crisp, Leah HLTH:EX; Fountain, Kathy B AVED:EX; Cameron, Tara D AVED:EX; Walker, Kim EDUC:EX; Charlton, Julie JTST:EX; White, Sunny JTST:EX; Albrecht, Christine MIT:EX; Ireland, Shannon L ENV:EX; Shatzko, Pam J CSCD:EX; Vaux, Shelagh CSCD:EX
**Subject:** Re: tech strategy potential annouceables 17Aug15 v1.xls.xlsx

Please stand by for a revised spreadsheet. I inadvertently mis-matched the initiatives and ministries. I apologize for the confusion.

Danielle

Sent from my iPhone

On Aug 17, 2015, at 5:00 PM, Burton, Danielle MTIC:EX <Danielle.Burton@gov.bc.ca> wrote:

Good afternoon,
As discussed at last Friday's ADM Working Group meeting, and in support of the communications plan for the Tech Strategy, we are collecting information about the substance and timing of potential announceables for the funded and unfunded initiatives. Rather than start from scratch, I thought it might be helpful to go back and update an existing document to reflect recent developments. I have attached information last collected/updated about the third week of July. Can you please update the information for your respective initiatives and send it back to me and Jeremy Coad by end of day Thursday? If you can, I would be most appreciative if you could please highlight the row in yellow if you make changes to it. This will help us find the revisions easily when we collate the information. If you have any questions or concerns, please let me know.
Regards,
Danielle

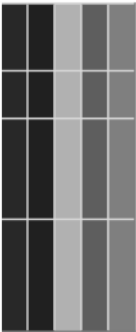| Strategic Pillar | Pillar | Strategy | STRATEGIES & ACTIONS CURRENT /ANNOUNCEABLE | Ministry | Description | List of Announcements (12-18 months) |
|---|---|---|---|---|---|---|
| Capital | | | **Increase awareness of tax credits and incentives** | | | |
| | Capital | Increase awareness of tax c | Digital Animation or Visual Effects (DAVE) Tax Credit | JTST | DAVE offers an extra 17.5% tax credit and has been designed to encourage domestic & international productions to hire B.C. talent for digital animation and visual effects projects. | |
| | Capital | Increase awareness of tax c | Interactive Digital Media Tax Credit | JTST | IDMTC is a 17.5% tax credit on eligible BC labour costs (salary and wages but does not include contract labour) for companies that produce interactive products that educate, inform or entertain. | |
| | Capital | Increase awareness of tax c | Small Business Venture Capital Tax Credit (provincial, ongoing) | MIT | Small Business Venture Capital Tax Credit (commonly referred to as BC's Angel Tax Credit). Tax credits of up to $33M each year leverage angel investment into start-up companies (primarily tech) of up to $100M. BC program running for 30+ years. Considered one of the best programs of its kind nationally. Encourage federal government adopt a similar program (previous TICS mandate letter commitment) | |
| Capital | | | **Increase available investment dollars from government to technology companies to help them grow** | | | |
| | Capital | Increase available investme | Key Account Investment Attraction | MIT | Targeted investment attraction to strengthen technology sub-sectors | Ongoing announcements regarding new investments and job growth made by Key Account companies Virtual Trade Rep will be announced at UBCM in September, 2015 |
| | Capital | Increase available investme | Virtual Trade Representative | MIT | Online tool for investors, communities and First Nations that gives them first-in-class digital service that removes barriers to investing in BC's regions. | Ongoing opportunities to announce investments realized by companies as a result of the tool |
| Capital | | | **Align research and innovation spending with government priorities** | | | |
| | Capital | Align research and innovati | Genome BC Industry Innovation Development Fund | HLTH | Genome BC supports innovation, commercialization and self sustainability. The Fund will provide project research and development (R&D) funds for early stage companies in the life sciences sector of British Columbia. Life sciences includes the biological aspects, including genomics, of industry challenges in seven key economic sectors being Human Health as well as other related sectors such as Agriculture, Energy and Mining, Environment, Fisheries and Aquaculture and Forestry. Our funding is repayable and allocated to promising technologies at the early stages of development. The Fund aims to provide R&D funds that are not available from traditional private capital sources, nor available from venture capital firms. | As the industry innovation fund is a new program the exact details are still in development. However it is expected that there will be a number of announce-able opportunities as and when projects are funded and results are achieved under the under the program. |
| | Capital | Align research and innovati | Genome BC grant and realignment | HLTH | Research funding to Genome BC to support innovation and commercialization, self sustainability | |
| | Capital | Align research and innovati | Michael Smith Foundation for Health Research grant and realignment | HLTH | Research funding to MSFHR to support innovation and commercialization, self sustainability | $50M funding to MSFHR |
| | Capital | Align research and innovati | SPOR (Strategy for Patient-Oriented Research) Support Unit | HLTH | Strengthen health research infrastructure by building comprehensive data base, build capacity in new analytic methodologies, support partnerships between health authorities, universities and life sciences industry, build capacity for real life clinical trials | Joint federal/provincial announcement on SUPPORT Unit and associated funding. Date TBD, but likely Dec 2015-Mar 2016. Over 12-18 months the services of the Unit will be demonstrated and are announceable (e.g., early findings on emergency medicine network and permission to contact demonstration projects). |
| | Capital | | BC Knowledge Development Fund Criteria | MTICS | Revised BCKDF criteria to focus on provincial government priorities and to maximize federal investment. | 1) Routine project funding announcements. |
| Talent | | | **Align post-secondary funding to required tech skills development** | | | |
| | Talent | Align post-secondary fundir | Labour Market Partnership funding to support the labour market planning for the tech sector | JTST | Provide Labour Market Partnership funding to support the labour market planning for the tech sector | Potential to announce initial funding of LMPP (BCTIA), with follow up announcement on completion of key phases of the project (e.g. LMI outcomes |
| | Talent | Align post-secondary fundir | Labour market information for B.C's tech sector (BC Labour Market Outlook) | JTST | The annual provincial 10 year forecast of job openings by occupation, including technology sector occupations. | Tech sector will be highlighted in broader communications/announcements related to Outlook information |
| | Talent | Align post-secondary fundir | Alignment of post secondary funding to institutions: restrict funding for tech programming | AVED | Include technology related occupations in the 25% of the post-secondary funding envelope targetted to in demand occupations. This will provide greater profile to technology-related occupations in the targeted funding initiative, either through additions to the top 60 list or inclusion as institution-identified regional priorities. | Fall 2016 |
| | Talent | Align post-secondary fundir | Alignment of student financial aid funding: expand eligibility for BC Completion Grant (loan reduction) if enrolling in tech programming | AVED | The new BC Completion Grant for Graduates program provides $500 to help students reduce their B.C. student loan after they complete programs that support in-demand occupations. Prorgrams that support the technology sector will be included in the Grant. | Spring 2016 |
| | Talent | Align post-secondary fundir | Funding for post secondary institutions to support patent registration | AVED | Provide funding to University Industry Liaison Offices at major universities to support patent filing, to help maximize the potential for knowledge mobilization. The costs of writing, filing, prosecuting, issuing and maintaining patents are high and ongoing, with fees being due throughout the term of the patent. | Summer 2016 |
| Talent | | | **Applied Learning and Entrepreneur Development** | | | |
| | Talent | Applied Learning and Entre | Support for targeted programs (Coding Academies, Co-ops, Institutional Entrepreneurship Initiatives | AVED | | |
| | Talent | Applied Learning and Entre | a. Expand Institutional entrepreneurship initiatives | AVED | Build on the successful Mechatronics Technology Entrepreneurship Incubator at SFU, funded by BCIC, by expanding BCIC's Entrepreneurship@ initiative to include similar sites/programs. | Fall 2016 |
| | Talent | Applied Learning and Entre | b. Expand support for work-related learning programs (co-op) | AVED | Explore options to increase post-secondary institution support for co-op and work related learning opportunities in their tech related programs. Review existing programs to determine which institutions already have/do not have these opportunities and what kind of supports may be appropriate. Also, require new technology related degree programs to have co-op and/or integrated work learning components as part of the program in order to go forward for Ministerial approval. | Fall 2016 |
| | Talent | Applied Learning and Entre | c. Maintain and expand support for Coding Academies | AVED | Build upon the first round of Coding Academies and continue/expand funding with potential to include other host institutions. As in the first round pilot program, instruct institutions to work with the British Columbia Innovation Council to determine the focus of the coding courses. | Spring 2016 |
| | Talent | Applied Learning and Entre | d. Maintain and expand support for Coding Academies | AVED | AVED provided $250,000 to 5 institutions to provide short-term coding skills courses in 2015/16. | Spring 2015 (announcement already made) |
| | Talent | Applied Learning and Entre | Graduate student funding tied to MITACs programming | AVED | AVED provided $6 million in 2015 to support Mitacs programs in 2015/16 and 2016/17. Mitacs Accelerate funds internships for graduate students undertaking applied research projects with industry, providing work experience for the students and access to innovation for businesses. years announced in 2007.) | Fall 2015 |
| | Talent | Applied Learning and Entre | BC Innovator Skills Initiative | MTICS | BCIC has implemented a training program through which post-secondary students (undergrad to post-doc) students are paired with emerging technology companies at a reduced labour cost to provide a hands-on entrepreneurial learning experience. | – Annual program performance report: participant uptake, examples of participant experiences (students and companies) - April 2016 |
| | Talent | Applied Learning and Entre | BC Tech Co-op Grants | MTICS | Grants for co-op students placed in small BC tech companies | Inclusion in training tax credit |
| | Talent | Applied Learning and Entre | Dual Credit Partnerships Secondary/Post Secondary | EDU | Dual credit programs allow high school students to earn credits towards high school graduation while also earning credits towards a post-secondary certificate or diploma. Partnerships are arrangements between districts and post-secondary institutions. | - Annual dual credit enrolment report (numbers only) - Examples of new partnerships |
| | Talent | Applied Learning and Entre | Junior Achievement | EDU | JTST provided Junior Achievement with $1,000,000 in funding to continue its outreach work in schools. The Ministry of Educaiton will work with Junior Achievement to ensure the financial support is linked to this strategy. | |
| | Talent | Applied Learning and Entre | Work Experience Electives | EDU | Allows students to earn elective graduation credit for on-the-job work experience with employers. Example: South Vancouver Island media industry coordinated efforts to offer work experience to high school students with appropriate preparation. Annual participation is about 15,000 students. | - Annual work experience report (numbers only) - Examples of new partnerships to provide work experience |
| | Talent | Applied Learning and Entre | Education Technology Mentors Network | EDU | Community of Practice supported by Ministry of Education for technology educators to encourage other educators to use ICT and digital technologies. | |
| Talent | | | **Educational programs that build technology skills** | | | |
| | Talent | Educational programs that | Canada-BC Job Grant | JTST | Allocate funding from the BC-Canada Job Grant to provide matching funding to support employee training | Potential for profile pieces, highlighting tech employers successfully implementing the Canada-BC Job Grant (via Blueprint communications channels and WorkBC). |

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| Talent | Educational programs that I | Digital Literacy Standards | EDU | Guidelines to support the interest, attitude and ability of learners to appropriately use digital technology and communication tools to access, manage, integrate, analyze and evaluate information, construct new knowledge, create and communicate with others in order to participate effectively in society. | |
| Talent | Educational programs that I | Science and Mathematics Curriculum | EDU | Describes expected learning outcomes in science and mathematics disciplines. | August 2015: New curricula posted online for Grades K-9 for use in fall 2015<br>July 2016: All new K-9 curricula in effect<br>September 2015: Initial outlines and proposals for Grades 10-12 |
| Talent | Educational programs that I | Applied Skills Curriculum | EDU | Describes expected learning outcomes in areas typically associated with hands-on learning, such as ICT, home economics, and shop classes. | August 2015: New curricula posted online for Grades K-9 for use in fall 2015<br>July 2016: All new K-9 curricula in effect<br>September 2015: Initial outlines and proposals for Grades 10-12 |
| Talent | Educational programs that I | Career Education Curriculum | EDU | Describes expected learning outcomes in career awareness and exploration, with emphasis on labour market information. | August 2015: New curricula posted online for Grades K-9 for use in fall 2015<br>July 2016: All new K-9 curricula in effect<br>September 2015: Initial outlines and proposals for Grades 10-12 |
| Talent | Educational programs that I | Career Zone: Energy | EDU | A guide that provides career information for the Energy sector (including Alternative Energy). It provides a range of high-demand career options and sample bundles of high school and college training courses and programs, with links to more detailed | |
| Talent | Educational programs that I | Career Zone: ICT | EDU | A guide that provides career information for the ICT sector (including digital media and wireless). It provides a range of high-demand career options and sample bundles of high school and college training courses and programs, with links to more detailed information services. | |
| Talent | Educational programs that I | Career Zone: Life Sciences | EDU | A guide that provides career information for the Life Sciences sector. It provides a range of high-demand career options and sample bundles of high school and college training courses and programs with links to more detailed | December 15, 2015: 1st draft<br>March 31, 2016: final draft<br>June 30, 2016: online distribution |
| **Talent** | | **Streamline Immigration Pathways** | | | |
| Talent | Streamline Immigration Pat | Work with technology companies to help recruit and access workers from outside the province through PNP and federal immigration pathways when BC Labour has been fully tapped. | JTST | Under Foreign Worker Annex of the new Canada-BC Immigration Agreement, BC negotiated the ability to recommend in-demand, high wage occupations, including technology, for expedited LMIA processing to give access to TFWs. | Announcement of finalized agreement with Federal Government |
| Talent | Streamline Immigration Pat | Foreign Qualifications Recognition for the technology sector (alternative careers pilot) | JTST | An initiative to increase supply of potential workers for technology companies by providing pathways to alternative occupational options for skilled immigrants. Many occupations not regulated (Network Technician; Interactive Media Developers) but potential for alternate careers. – e.g. an uncertified engineer can work as an IT analyst. | Announcement of contract award, with follow up announcement re: outcomes at conclusion of pilot |
| **Markets** | | **Realize economic value from technology innovation investment** | | | |
| Markets | Realize economic value from | Agri-foods Acceleration in the Fraser Valley | MTICS | In partnership with the Ministry of Agriculture, the BC Innovation Council has added an agri-foods accelerator to the network of service providers delivering the Venture Acceleration Program - a structured approach to entrepreneur and business development - on behalf of government. | |
| Markets | Realize economic value from | Maximize Use of the Strategic Investment Fund | MTICS | The value of the SIF accumulates based on a percentage of fees paid to TELUS for services provided. The estimated $100 million SIF to be used on ambitious IM/IT projects that have significant benefits for British Columbians. | $52M - Home Health Care Monitoring SIF Project<br>$2.5M - Emergency Public Altering SIF Project |
| Markets | Realize economic value from | Okanagan Centre for Innovation | MTICS | Investment in a physical hub for technology innovators and entrepreneurs in Kelowna provides opportunities for collaborations and flexible office space at lowered cost for start-up companies. | 1) Announcable once building is complete in 2016/17 |
| Markets | Realize economic value from | Cancer Genomics - Capacity for Testing | MTICS | Through direct investment in an emerging BC venture, the government is accelerating the economic value and social opportunity associated with cancer genomics in the province. | |
| Markets | Realize economic value from | Venture Acceleration Program - BCIC | MTICS | The Venture Acceleration Program is an ongoing at the BC Innovation Council and provides a structured approach to entrepreneur and business development in BC's technology sector. | |
| Markets | Realize economic value from | Ideas from Campus to Industry | MTICS | In partnership with UBC Okanagan, MTICS has funded industry/PSI consultations targeted on identifying actions that can be taken in BC's interior to increase the level of partnerships between these groups. | |
| Markets | Realize economic value from | Life Sciences / Health System Policy Framework | HLTH | Policy framework to provide clear policy on criteria, decision making processes, regulation, privacy, education, and financial impacts for introduction of personalized medicine diagnostic tests and treatments | |
| Markets | Realize economic value from | Expanded range of genomic diagnostics/therapeutics in areas of cancer, rare disease and infectious disease | HLTH | Expanded range of genomic diagnostics/therapeutics in areas of cancer, rare disease and infectious disease | Nothing specific. There are a number of discoveries and newsworthy development that occur periodically. These will be flagged for announcement. |
| Markets | Realize economic value from | Public funding for cancer genomic diagnostic and therapeutic services in breast, colon, leukemia and lymphoma | HLTH | Public funding for cancer genomic diagnostic and therapeutic services in breast, colon, leukemia and lymphoma | Nothing specific. There are a number of discoveries and newsworthy development that occur periodically. These will be flagged for announcement. |
| Markets | Realize economic value from | HHMES—Phase 2 Expansion of HHM and improvement telehealth infrastructure and mobilization of community health workers | HLTH | The HHMES initiative aims to develop, deploy and refine innovative technology platforms and accompanying programs to enhance health care deliver, control systems costs and improve health outcomes. Over a multi-phase period from 2014 to 2018, the initiative will drive the implementation and expansion of home health monitoring, the mobilization of community health workers, and the improvement of tele health infrastructure | Potential Announceables:<br>- Long-term deal struck with TELUS to expand HHM technology to other regions and programs and to other populations with complex chronic conditions (note: negotiations are still underway, so this is hypothetical for now)<br>- Assuming a long-term agreement can be made, there would be associated launches of programs in other regions and programs that could potentially be announced |
| Markets | Realize economic value from | World's cleanest LNG facilities | ENV | Cleanest LNG legislation: Companies will have flexible options to reach the cleanest LNG benchmark, including purchasing B.C.-based offsets or contributing to a technology fund which creates incentives to invest in GHG emission reduction projects in the natural gas and other sectors in B.C | regulations - by end 2015 |
| Markets | Realize economic value from | LNG environmental incentive program | ENV | LNG Environmental Incentive Program: Incents investment in advanced technology to achieve world-leading performance GHG intensity performance by providing graduated payment from 50% to 100% of the compliance costs | |
| Markets | Realize economic value from | Cement low carbon fuel program | ENV | Incentive program to assist cement sector in reducing greenhouse gas emissions | Signing project agreements and setting GHG intensity benchmarks - by end of 2015 |
| Markets | Realize economic value from | LED Street Lights Across BC | ENV | Centralized procurement program to accelerate local government's adoption of LED technology | Further strategic procurement inititives, as they are launched (e.g. possible municipal clean vehicle fleet purchase program in 2016) |
| Markets | Realize economic value from | Government's carbon offset portfolio | ENV | In support of Carbon Neutral Government commitment, CAS invests in carbon offset projects that use innovative technologies and approaches | |
| Markets | Realize economic value from | Carbon offset protocols | ENV | Increasing number of approved protocols that industry can use to invest in innovative technologies and approaches to reduce GHG emissions | Existing protocols to become directors protocols, as per legislation |
| Markets | Realize economic value from | Carbon Neutral Government - Working with all public sector organizations to reduce GHGs through emission reduction initiatives | ENV | Working with all public sector organizations to reduce GHGs through emission reduction initiatives via adoption of new and existing technologies | 5 year anniversary of program - June 30 2015 |
| Markets | Realize economic value from | CNG - All new buildings must be LEED Gold | ENV | All new buildings must be LEED Gold | Completion of new buildings, as they occur. |
| Markets | Realize economic value from | CNG—Carbon Neutral Capital Program (CNCP) for K-to-12, hlth auth and public post-secondaries for investment in projects to reduce GHG | ENV | Carbon Neutral Capital Program (CNCP) for K-to-12 schools, health authorities and public post-secondary institutions for investment in projects that reduce GHG emissions and result in energy conservation | |
| **Markets** | | **Expand BC Technology Sector's export capability** | | | |
| Markets | Expand BC Technology Sect | Sector Investment and Export Plans - one each for life sciences, clean tech, ICT and digital media | MIT | Supply and value chain analysis of sectors to inform investment and export targeting, outline the sector value proposition and identify policy opportunities that would improve the value proposition | Nil - Internal |
| Markets | Expand BC Technology Sect | Single Window Export Services | MIT | LEAN analysis of all export services offered by government (including those delivered and funded by the Feds) with a view to greater pathfinding and clearer understood roles and responsibilities | Pilot projects will be announced in March, 2016<br>Final announcement in Fall, 2016 |
| Markets | Expand BC Technology Sect | Service Export Action Plan | MIT | Review of export programming with a view to ensuring service companies covered | Action Plan early 2017 |
| Markets | Expand BC Technology Sect | International Business Development through missions and trade shows | MIT | Ongoing operational support for BC tech companies to export through international trade shows and missions, and the supporting international marketing | BC presence at upcoming trade shows, including Mobile World Congress 2016, Bio 2016, SIGGRAPH 2015, Communicasia 2016 and missions including |
| **Markets** | | **Make it easier to sell to government** | | | |
| Markets | Make it easier to sell to gov | Procurement—BC firms in major contracts (procurement hub) | MTICS | Maximize the benefit of major contracts with a view to ensuring our partners create opportunities for excellent BC companies and put a value on the long term benefits to the BC economy and we will be asking vendors to demonstrate the value added components of their business proposals. (SPO) | |
| Markets | Make it easier to sell to gov | Procurement—short form RFP | MTICS | Ensure that government Request for Proposals (RFP) documents are reduced to two pages for contracts under $250,000. The SRFP was launched on April 1, 2014, and training continues with ministries and vendors to ensure successful implementation. (LBS) | |

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| | Markets | Make it easier to sell to gov | BC Developers' Exchange | MTICS | The BC Developers' Exchange helps BC's software technology industry grow. It provides industry with a variety of fast, trusted ways to do paid, reference-able work with the BC Public Sector. It equips industry with modernized access to digital resources including data, APIs and source code that supports industry innovation and new product development. For the BC Public Sector the Developers' Exchange serves as an online marketplace that supports the rapid adoption of industry developed information technology innovations that improve public services. Unlike the conventional procurement processes that BC's entrepreneurs routinely run away from, the BC Developer's Exchange is purpose built to support engagement and value creation between BC's software entrepreneurs and BC's Public Sector. | • By January 2016 - Announce when a given public sector organization joins the BCDevExchange. • By April 2016 – Announce transactions that are occurring and stories of success. Where industry has benefited from using the BCDevExchange and engaging with BC Public Sector. |
| | Markets | Make it easier to sell to gov | Home Health Monitoring and Enabling Services (HHMES) - Phase 1 Limited Production Rollout of HHM | HLTH | The HHMES initiative aims to develop, deploy and refine innovative technology platforms and accompanying programs to enhance health care deliver, control systems costs and improve health outcomes. Over a multi-phase period from 2014 to 2018, the initiative will drive the implementation and expansion of home health monitoring for individuals with complex chronic conditions. Phase 1 launched the technology in programs in the Interior and on Vancouver Island for individuals living with heart failure. | Potential Announceables: - Positive evaluation results from the Phase 1 launch in Interior Health and Island Health |
| Markets | | **Make BC the most connected province** | | | | |
| | Markets | Make BC the most connecte | Connecting Rural British Columbia Program | MTICS | A $10M, multi-year program, to accelerate the expansion of high-speed Internet connectivity in rural B.C. | Official program launch - Summer 2015 Program grant awards to Internet Service Providers in multiple communities (>50) throughout BC |
| | Markets | Make BC the most connecte | BC Broadband Satellite Initiative | MTICS | A $2M, multi-year program, to offer high-speed satellite Internet connectivity to citizens located in rural B.C. where no other Internet options exist. | An increase in the Province's contribution to $350 per installation - Summer 2015 |
| | Markets | Make BC the most connecte | Next Generation Network | EDU | A modern, high capacity network designed in collaboration with school districts, the NGN is a standard service to provide consistent experience from any school. The NGN is an enabler for innovation, with improved security and management tools. It enables efficiencies and improved performance of common systems like the student information system. | March 14, 2014: announced March 31, 2015: 30% of sites transitioned (495) March 31, 2016: next 45% of sites transitioned (745) Dec 31, 2016: remaining 25% of sites transitioned (410) |

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| Strategic Pillar | Pillar | Strategy | | Ministry | Description | Demonstrated Shifts | List of Announcements (12-18 months) | Capital/ Operating | Description of Reallocation |
|---|---|---|---|---|---|---|---|---|---|
| Capital | | | Increase available investment dollars from government to technology companies to help them grow | | | | | | |
| | Capital | Increase available investment dollars from government to technology companies to help them grow | Venture Capital Policy Review | MIT | Initiative to improve access to VC in BC to support economic and job growth in the Technology Sector. Build on BC's VC experience gained through the 7 years of operating the BCRCF & 30+ yrs. of SBVCA tax credits and redirect gov't resources from older models like labour-sponsored fund tax credits to address the current VC problems (A-Round funding gap). | | Possible soft launch in the T&I Strategy Release (Oct?) Full program launch in Jan at Tech Summit or Feb Budget Numerous announceement ops as investements are made througout 2016/17 | $100M Capital / Operating TBD | |
| Talent | | | Applied Learning and Entrepreneur Development | | | | | | |
| | Talent | Applied Learning and Entrepreneur Development | Expand Graduate Program Supports with additional funding for MITACS for new graduate student spaces | AVED | Increase graduate program activity in targeted areas through two related initiatives. 1. Mitacs Accelerate funds internships for graduate students undertaking applied research projects with industry, providing work experience for the students and access to innovation for businesses. Provide $3M to Mitacs annually in 2016/17 through 2018/19. (AVED provided $6M in 2015 to support Mitacs programs in 2015/16 and 2016/17. Typical annual amount is $3M.) 2. Provide $2M annually for 100 new graduate student spaces in targeted technology and innovation programs, beginning in 2016/17. Requires on-going base funding. (Past expansion has been funded at $20,000/FTE, including the 2,500 graduate spaces over 4 years announced in 2007.) | New program | | | |
| | Talent | Applied Learning and Entrepreneur Development | Hands-On Technology & Innovation Classroom Workshop Partnership | EDU | 4-way partnership between Science World, a post-secondary institution (evaluation/research), K12 sector, and employer partners to provide classroom hands-on workshops (target Grades 4-8) focussing on STEM acitivities and careers. | | | Operating | |
| | Talent | Applied Learning and Entrepreneur Development | BC Youth Coding Initiative | EDU | Offer library-based and school-based workshopsto introduce educators and students to coding. Includes HTML500 Jr - Canada's top tech companies come together to teach young people how to code for free. Includes The Hour of Code - a global movement reaching students in 180+ countries, where they try out an hour of coding. | | | Operating | |
| | Talent | Applied Learning and Entrepreneur Development | FIT—Focus on IT Implementation | EDU | FIT is a structured program that integrated, through dual credit and other means, high school and college ICT courses into recognized certification and diploma pathways. FIT wasdesigned by the national ICT sector council to provide high school students with industry-validated skills for work in the ICT sector. These range from purely technical skills such as programming or Network+ certification through to business skills and abilities such as time management and contributing as a member of a team. | | | Operating | |
| Markets | | | Make it easier to sell to government | | | | | | |
| | Markets | Make it easier to sell to government | Procurement - bold vision | MTICS | | | | | |
| | Markets | Make it easier to sell to gov | BC Developers' Exchange (2016/17 forward) | MTICS | The BC Developers' Exchange helps BC's software technology industry grow. It provides industry with a variety of fast, trusted ways to do paid, reference-able work with the BC Public Sector. It equips industry with modernized access to digital resources including data, APIs and source code that supports industry innovation and new product development. For the BC Public Sector the Developers' Exchange serves as an online marketplace that supports the rapid adoption of industry developed information technology innovations that improve public services. Unlike the conventional procurement processes that BC's entrepreneurs routinely run away from, the BC Developer's Exchange is purpose built to support engagement and value creation between BC's software entrepreneurs and BC's Public Sector. | • The BCDevExchange is a new initiative that is engaging industry and the public sector. • It will enable the public sector to serve as a reference account and place for entrepreneurs to get a start with a new product or market opportunity. • MTICS is developing a new policy model, industry engagement model and digital services to facilitate collaboration between the BC Public Sector and BC software industry. • BCDevExchange focuses on the requirements necessary to increase the commercial application of government's open and high value data as a contributor to GDP and job creation. | • By January 2016 - Announce when a given public sector organization joins the BCDevExchange. • By April 2016 – Announce transactions that are occurring and stories of success. Where industry has benefited from using the BCDevExchange and engaging with BC Public Sector. | Operating | |
| | Markets | Make it easier to sell to gov | Procurement—transformation initiative | MTICS | In order to make it easier to do business with government, the Province is implementing a procurement transformation initiative. This initiative will change the way government buys goods and services from the marketplace. This will be achieved by proactively providing information and resources to vendors about doing business with government, and introducing technology and tools to automate and streamline the procurement process. (LBS) | | | Operating | |
| Markets | | | Make BC the most connected province | | | | | | |

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| | | | | | |
|---|---|---|---|---|---|
| | Markets | **Make BC the most connected province** | Northern Connectivity Fibre Initiative | MTICS | A new $120M multi-year initiative to construct a submarine fibre telecommunications network linking northern and coastal communities. This will improve reliability that is critical for economic (energy sector) and social (public safety) development. |
| **Markets** | | | **Realize economic value from technology innovation investment** | | |
| | Markets | **Realize economic value from technology innovation investment** | BC Centre for Data Innovation | MTICS | |
| | Markets | **Realize economic value from technology innovation investment** | BCIC Commercialization Program | MTICS | A suite of programs to be delivered by BC Innovation Council that will build entrepreneurial skills and create hubs for innovations with solution generation capacity and industry with business/technical challenges requiring solutions |

# RE: Tech Strat

Thursday, March 24, 2016
3:42 PM

| Subject | RE: Tech Strat |
|---------|----------------|
| From | Johnson, Sheldon GCPE:EX |
| To | Seeley, Erin JTST:EX |
| Sent | Thursday, October 1, 2015 2:27 PM |

K – So to be clear, could tech occupations be announced with the strat?

**From:** Seeley, Erin JTST:EX
**Sent:** Thursday, October 1, 2015 2:18 PM
**To:** Johnson, Sheldon GCPE:EX
**Subject:** RE: Tech Strat

I am okay with the text in green, but as it stands now it seems to speak more to the Labour Market Outlook than to PNP (BC list of occupations in place by end of Oct).

In addition I would add to the middle column s 13

s 13

Does this help?

**From:** Johnson, Sheldon GCPE:EX
**Sent:** Thursday, October 1, 2015 1:59 PM
**To:** Seeley, Erin JTST:EX
**Subject:** Tech Strat

Hi Erin,

We're being needled to start feeding into the upcoming Tech Strategy. The planning doc has the following insertion regarding PNP:

s.13

Thanks
**Sheldon Johnson**
Communications Manager
Ministry of Jobs, Tourism and Skills Training and Responsible for Labour
p: 250.952.0876| c: 250.213.5811