

FROM RESPONSE TO RECOVERY: THE FUTURE OF INDIGENOUS ECONOMIC DEVELOPMENT

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MEET OUR PRESENTERS

READ: [COVID-19 INDIGENOUS RESOURCES BLOG](#)



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AGENDA

- Indigenous involvement in renewable energy projects: how do Nations participate?
- Opportunities in agri-food
- Opportunities in the IT/tech sectors

READ: COVID-19 INDIGENOUS RESOURCES BLOG

INDIGENOUS INVOLVEMENT IN RENEWABLE ENERGY PROJECTS: HOW DO NATIONS PARTICIPATE

Presenter: Chad Eggerman

WIND PROJECTS

Land owner vs. equity owner



SOLAR PROJECTS

Independent power producer vs. partnering with a developer



BIOMASS PROJECTS

Project owner vs. project supplier



OTHER ENERGY PROJECTS:

Flare gas

Battery storage

Geothermal

OPPORTUNITIES IN AGRIFOOD

Presenter: Scott Exner

SCOPE OF AGRICULTURE AND FOOD

Primary production (livestock, crops)

Processing plants (beef, potatoes, proteins, hemp, etc)

Biotech/technology (including precision agriculture)

Beverage (including craft beer)

Cannabis, CBD and hemp

Potash

Manufacturing

WHY FOCUS ON AG AND FOOD IN WESTERN CANADA?

PRE-COVID-19

Depressed Energy Sector

Agriculture has been significant part of Alberta's economy but often overlooked

Increased Global Demand for Protein

- France's Roquette building pea protein plant in Portage la Prairie
- James Cameron investing in Verdeint Foods' pea protein facility in Vanscoy Saskatchewan

SUPERCLUSTER PROGRAM IN CANADA

Protein Industries Canada received \$152 million to develop the plant protein processing industry in Western Canada.

With matching funds from industry, there will be a minimum of \$300 million spent on the sector in the next five years, prior to any other equity and debt.

Indigenous engagement is included in the selection criteria.

LEGALIZATION OF CANNABIS

Changes to the hemp regulations have also resulted in new opportunities involving hemp and CBD

FOREIGN INVESTMENT AND FOOD SECURITY

- Elimination of the Canadian Wheat Board
 - *G3 Canada (Saudi Arabia and Bunge)*
- GrainCorp (Australia)

CONCLUSION

There are many factors which will contribute to an expected growth in the agriculture and food sector in Western Canada in the next 15 years



POST-COVID

What are likely changes as a result of COVID?

SHORT TERM

Retooling – beverage companies producing hand sanitizer for example

Focus on obtaining food from local suppliers as borders not completely open

Food service impacted – restaurants hit hard and no timeline for full recovery

- *demand for French fries decreased*
- *resources shift from food service to retail*

SHORT TERM CONT'D

Consumers over stocking on canned/dry goods initially

Processing plants – concern over worker safety may affect production

- *increased prices for boxed beef in short term due to reduction in processing*

Foreign workers – quarantine periods

- *labour shortage with closed borders led to some crops being left in the field*

While moving by rail is faster for some commodities, there have been issues at ports, particularly containers and due to ships being quarantined in some ports

- *results in some deferred contracts for producers*

LONG TERM

Global food supply chain changed?

- *may not be able to count on importing/exporting certain foods*

May see more greenhouses and local butchers, particularly if there are concerns over meat processing capability

Change in behaviour

- the way we order groceries and food – more online ordering
- how often we eat out at restaurants
- increased demand for food products that are more likely to be cooked at home
- may impact types of foods we eat/buy

OPPORTUNITIES IN THE IT/TECH SECTORS

Presenter: Danielle Graff

OPPORTUNITIES IN THE IT/TECH SECTOR OUTLINE

- 2020 tech predictions
- What does it mean?
- What is missing?
- Where do you go from here?

2020 TECH PREDICTIONS

- Artificial Intelligence (AI)
 - *Uses machine learning to self-improve*
 - *Mimics complex problem solving*
- Quantum Computing
 - *Using Quantum theories for computing*
 - *Will expand computing power exponentially*
- Blockchain
 - *Use of common confirmed/verified data by multiple parties*

2020 TECH PREDICTIONS CONT'D

- Edge Computing
 - *De-centralized computing models*
 - *Closer to use*
 - *Apps on your phone*
- Cloud Computing
 - *Use of computing services regardless of where they are located*
 - *No more on-site hardware*
- Hybrid Computing
 - *Use of Cloud and local systems*
 - *Combine Cloud and Edge Computing*

2020 TECH PREDICTIONS CONT'D

- Power of Social Media
 - *Impact is expanding*
 - *Preferred method of communication*
- Data Analytics and Analysis
 - *Community and business level*
 - *Multi-business and multi-community level*
 - *Cross-database, cross-organization, cross-industry, etc. – “Big Data”*
- Impact of COVID-19
 - *Shift to online service delivery*
 - *Expansion of e-commerce*

WHAT DOES IT MEAN?

- Computer power is expanding exponentially and is mobile
- Technology is seldom the limit
- Every tech solution should consider:
 - *Cloud Solutions*
 - *AI*
 - *Mobile Apps*
 - *Social Media*

WHAT IS MISSING?

- Business and community knowledge and application
- Solving real business and community problems
- Application of this powerful technology to solve real life problems

WHERE DO YOU GO FROM HERE?

- Lots of good work already being done
- Look at mobile app development
- Expand use of social media
- Partner with tech companies, to bring your business and community expertise
- Use tech incubators and programs to build and expand your tech business

WHERE DO YOU GO FROM HERE?

- Legal considerations (how we can help)
 - *Services Contracts*
 - *E-Commerce Terms*
 - *Privacy Compliance*
 - *Protection of IP*
 - *Commercialization*

Q & A

THANK YOU

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