



Utilities Sector Focus Group

Discovery Workshop

Organized by:

ParcelMap BC Adoption Working Group

Welcome / Opening Remarks

Workshop Background

[ParcelMap BC Adoption Working Group](#) & part of the ICI Society Virtual Café Series

Panel & Facilitator Introductions

Brian Greening, Director, ParcelMap BC Products, LTSA

Bill Johnstone, Principal Consultant, Spatial Vision Group

Steve Mark, Director, Operations, ICI Society

Jason Hart, Owner, Harterra Spatial Solutions

Irshad Jamal, Parcel Fabric Technician, LTSA

John Samulski, Project Manager, Spatial Vision Group

Agenda

Welcome / Opening Remarks Brian Greening, LTSA	10:00 am	10:10 am	10 min
1. Prior Discovery Work in Utilities Sector – 2019 360 Lab Sessions Steve Mark, ICI Society	10:10 am	10:20 am	10 min
2. Introduction to ParcelMap BC & Utility-Focused Considerations Brian Greening, LTSA Bill Johnstone, LTSA/Spatial Vision Group / Jason Hart, Harterra Spatial Solutions	10:20 am	11:00 am	40 min
3. Discovery Exercises: Users / Workflows / Data / Integrations Bill Johnstone, LTSA/Spatial Vision Group / Jason Hart, Harterra Spatial Solutions <ol style="list-style-type: none"> Business Areas & Users Who uses the data? Workflows and Software Applications How do they use it? Data (Business Objects, Spatial and Attributes) What content? Integrating with Other Systems Tying data together 	11:00 am	11:30 am	30 min
4. Organizational & Program Dependencies John Samulski, LTSA/Spatial Vision Group <ul style="list-style-type: none"> Key drivers for adopting ParcelMap BC Primary challenges in transitioning to ParcelMap BC Dependencies with internal Business Areas Dependencies with partner / external organisations 	11:30 am	10:50 am	20 min
5. Close Out Panel: Questions & Discussion <ul style="list-style-type: none"> Detailed Input and Feedback: Follow-On Survey Monkey Questionnaire Possible future engagement with your organization to explore how to adopt ParcelMap BC 	11:50 am	12:00 noon	10 min

What We Are Trying To Learn About Your Organization

Key Questions:

1. Who in your organization uses (or needs to use) parcel-property data?
2. What parcel-property content do you need?
3. How do you use parcel-properties in your workflows?
4. Do you integrate parcel-property data into your other enterprise systems? How?
5. Are you currently adopting ParcelMap BC or just thinking about it?
6. What content needs to be added to the parcels-properties datasets?
7. Are there internal or external dependencies influencing your migration to ParcelMap BC?

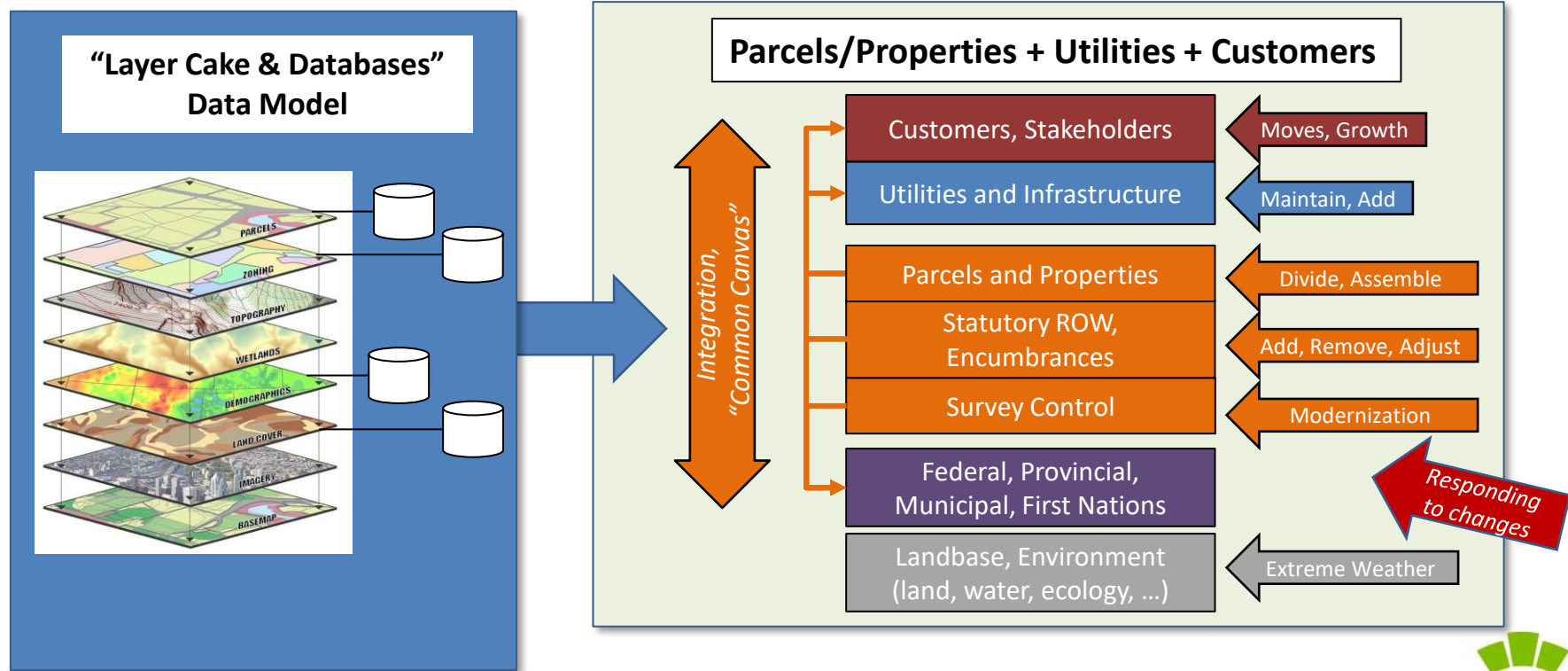
Primary Types of Utilities / Infrastructure Stakeholders

- Utilities
- Municipal & Regional Government who have utilities
- Provincial who provide infrastructure (MOTI)
- Federal
- Surveyors/Geomatics, Consulting Engineers, Construction, Locate services, Real Estate, ...

Utility Stakeholder Engagement for ParcelMap BC Adoption:

1. This Workshop: Discussion Questions (Survey Monkey)
2. Follow-On: Detailed Questionnaire (Survey Monkey)
3. Follow-On: ParcelMap BC Adoption Engagement Exercise (Adoption Facilitator Team)

This Workshop in One Diagram



1. Prior Discovery Work in Utilities Sector: Fall 2019 360 Lab Sessions (Steve Mark, ICI Society)

ICI Society – 360 LABS – September 17, 2019

Background

Next week, the ICI Society will host a **360°Labs** workshop focused on using ParcelMap BC in your organization. The agenda brings together parcel mapping experts from the LTSA (ParcelMap BC), GeoBC (ICF) and BC Assessment (Assessment Fabric), along with your ICI Society data transformation and access team (GeoShare), and the folks who know best what's important about land records management in your organization... **you!**

Objectives

Workshop objectives include:

1. **Learning** how the ParcelMap BC operations team compiles the survey fabric so that you can better understand the product and how it is maintained.
2. **Documenting** your own parcel management workflow at a level that enables you to identify ParcelMap BC **benefits** for your organization and **important characteristics** to be considered for using ParcelMap BC.
3. **Describing** some specific ways that you can integrate ParcelMap BC updates into your workflow and the **concrete actions** that you can take to analyze, prototype, and ultimately, get the most out of ParcelMap BC on an ongoing basis.

ICI Society – 360 LABS

The “Work” in Workshop

In two working sessions, you will be asked to put pen-to-paper.

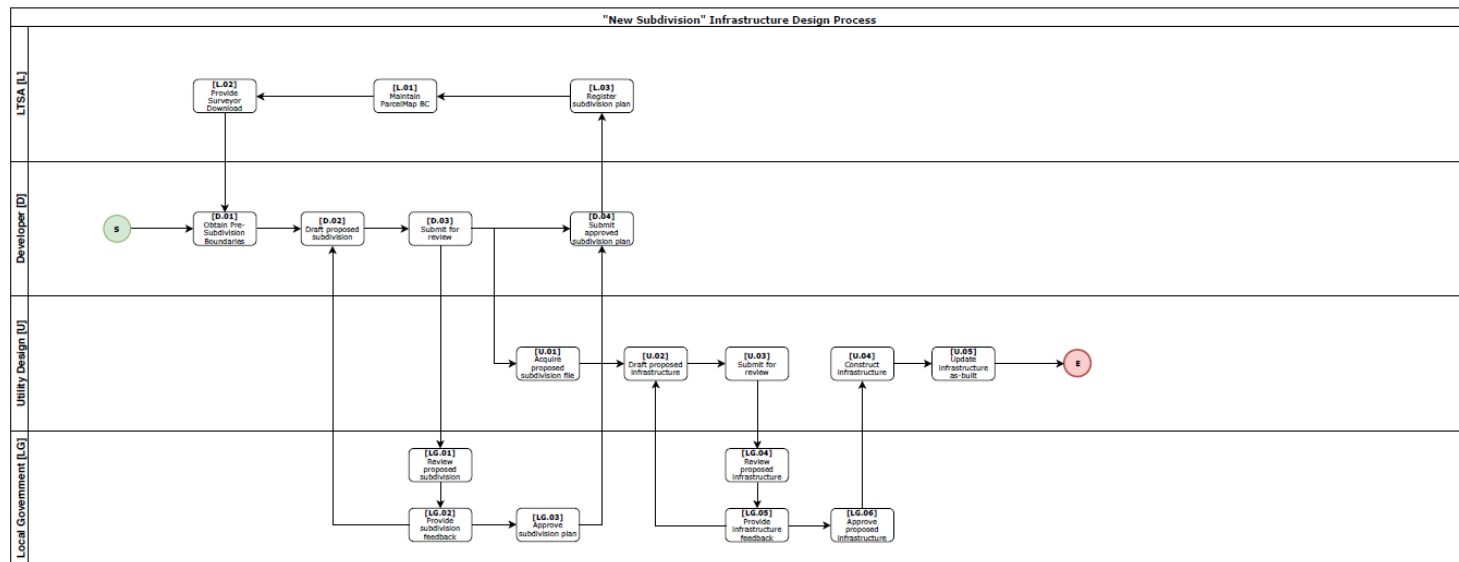
In the first session, you will be asked to sketch out significant steps in your parcel mapping workflow. What is a “significant step”? It is any step where you anticipate ParcelMap BC can make life easier for you (a “benefit”) or where you do something in a specific way and you’d like to observe how that is reflected in ParcelMap BC (a “consideration”). Ultimately, seeing the benefits and being mindful of the considerations will provide a strong foundation for your plan to use ParcelMap BC.

In the second session, you will be asked to sketch out imagined amendments to your workflow to make use of ParcelMap BC updates. These amendments should be specifically designed to enable you to realize the benefits and manage the considerations that you highlighted earlier. Finally, you will be asked to list a set of practical actions and a timeline to test-drive and implement your ParcelMap BC workflow.

ICI Society – 360 LABS - Attendees



- BC Hydro
- Telus
- FortisBC
- Shaw Cable Systems
- City West Cable



Key Points

Where do the new subdivision boundaries originate?

- Are they provided by the Developer digitally?
- Are they drafted internally?

Is the new infrastructure designed in isolation?

- Does the subdivision line-work need to be coincident/matching to the existing land base?
- Are design plans "independent" from the land base (i.e. as CAD drawings)?

- At what point does the infrastructure design need to be reconciled with the land base.

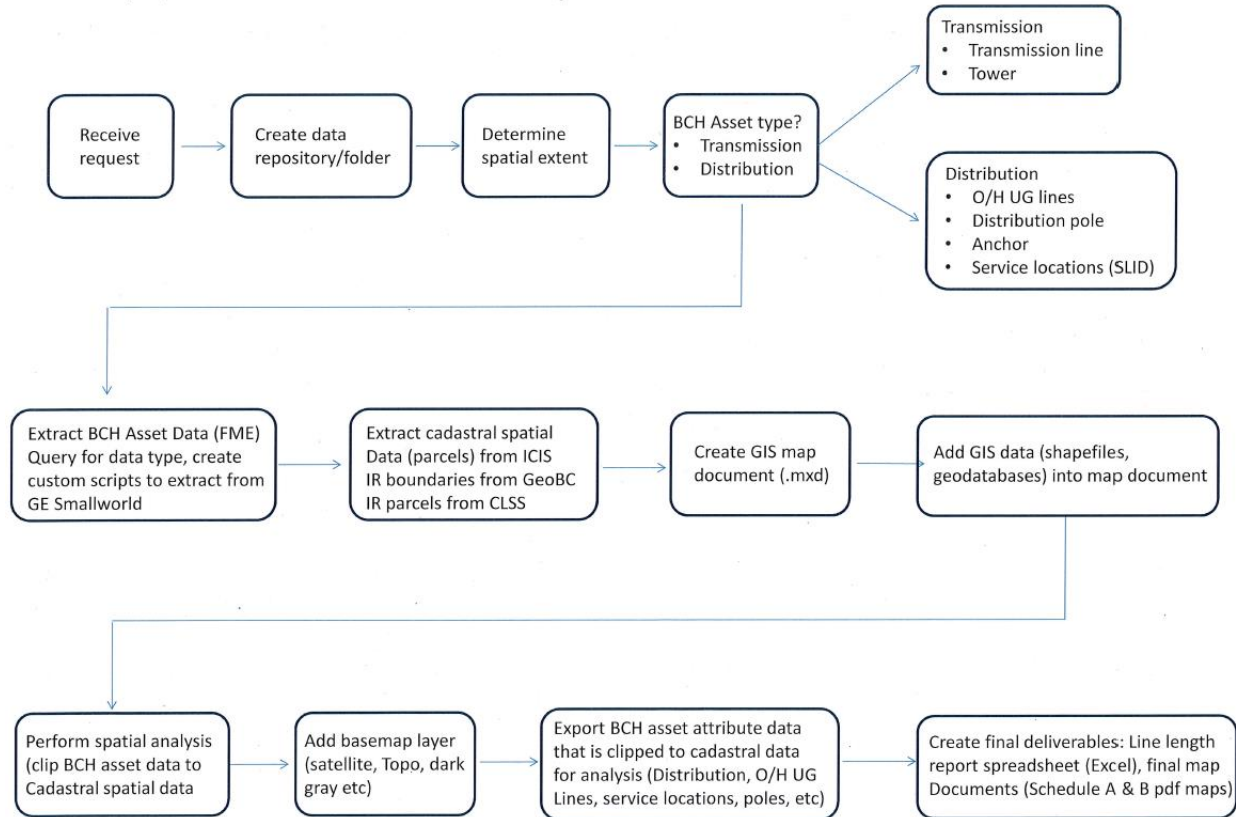
What organizations are the design plans shared with?

- What are the considerations for matching the design land base with other organizations' land base?

Notes

Mark Blackmore,
BC Hydro, Properties

GIS Request Workflow



Operational / Business Impact Notes

What would be the impacts of using ParcelMap BC exclusively for mapping the land base even if the local government in a given jurisdiction is using a different fabric?

- central source of cadastral data
- Data is continually updated by authoritative sources
- common system of reference across all of BC.
- provides land related research
- Parcelmap BC Spatial Improvement Assessment App.

ParcelMap BC Planning Notes

What are some practical activities / steps that you can envision taking in considering to use ParcelMap BC operationally?

- Reviewing Parcelmap BC website to take a look at features and improvements to managing parcel fabric on a provincial level.
- Having Parcelmap BC. come in house for a presentation

What other types of operational processes - aside from planning the extension of infrastructure in a new subdivision - may have different considerations for using a specific parcel fabric. For example, are there different considerations for major infrastructure projects? For projects spanning multiple jurisdictions?

oil & gas infrastructure projects that are quite extensive
i.e. trans mountain project (Kinder Morgan now Canada)
transmission line re-routing

What would be a practical timeline for the activities described above?

perhaps 6-12 months, however these types of decisions are out of my control. Executive & management team makes these types of decisions.

2. Introduction to ParcelMap BC & Utility Focused Considerations

Theme 1:

Parcels+ Properties Fundamentals

ParcelMapBC

The *current, complete,* and *trusted* visual representation of titled and Crown land parcels across all of British Columbia.

A key piece of **data infrastructure** supporting **economic and social development** in the province.

ParcelMap BC Home Page

ParcelMap BC: Continually Improved, Comprehensive Property Information

▼ ☒ Parcels By Owner Type

Pa

Pa

Nt

Pa

Le

Pl

Ju

Nt

Re

Mt

Pa

Private

Federal

Crown Provincial

Crown Agency

Municipal

First Nation

Mixed Ownership

None

Unknown

00-0

/ision

, SEI

267

564

il Re

ard,

ParcelMapBC_DataProducts.gdb

Parcel_Common_Ownership

Parcel_Common_Ownership_RealWorldChanges

Parcel_JUROL_to_PID_Reference

Parcel_Lines

Parcel_Points

Parcel_Polygons

Parcel_Polygons_RealWorldChanges

Parcel_Shared_Geometry

Parcel_Shared_Geometry_RealWorldChanges

Plans

Plans_RealWorldChanges

Spatial_Improvement_Vectors

Survey_Control_Points

▼ ☒ Parcel Points - Estimated Error @95%

< 20cm

20cm - 1m

1m - 5m

> 5m

▼ ☒ Survey Control

GEODETIC, GOOD

GEODETIC, ANOMALOUS

GEODETIC, DESTROYED

SURVEY

OTHER

Search Results

Parcels Plans Crown Features

Request All Plans

Plan

Plan Type

4460

[ParcelMap BC Data Products & Descriptions](#)

“Survey Aware”:

- Parcel geometry directly represented by [survey plan datasets](#) from land surveyors

“Closest to source”:

- Rich attribution synchronized with land title records and the Crown land registry

“Current”:

- 2 Day service target: Hovering ~ 1 day since March 2018!

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16 ©2021 Land Title and Survey Authority of British Columbia

ParcelMap BC: Spatial Improvements

Accuracy improvements driven by monthly assessments

Latest assessment to December 6th, 2021

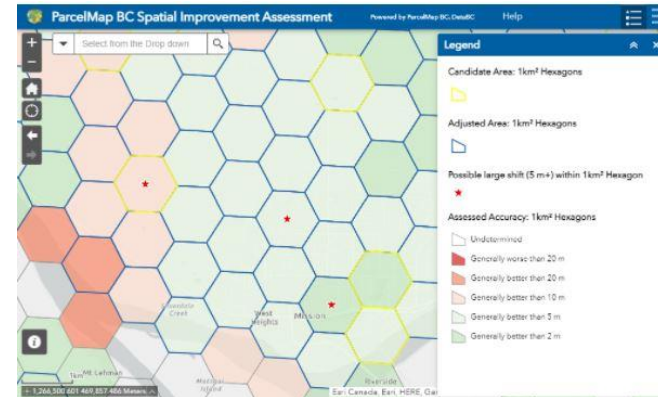
Targeted:

Rock Creek	December 2021
Osoyoos	December 2021
Galena Shores	December 2021
Spallumcheen	January 2022
Kedleston	January 2022
Christina Lake	January 2022
Peachland	February 2022

Completed (*Latest* only – full list [here](#)):

Chilliwack / Sardis – August 2021
Oyster River (CVRD) – August 2021
Cumberland - September 2021
Fraser Valley Regional District - September 2021
Little River – October 2021
West Kelowna – October 2021
Northwest of Okanagan Lake - November 2021
West Kelowna – November 2021
Moyie – November 2021

Note: Since August 2018, the Spatial Improvements Team has adjusted over **130,000 parcels** with a combined total area representing over **4000 sq. km** of the Province.



Adjustment Readiness Summary

	Area of Interest	115
	Candidate Areas	3,154
	Adjusted Areas	6,803

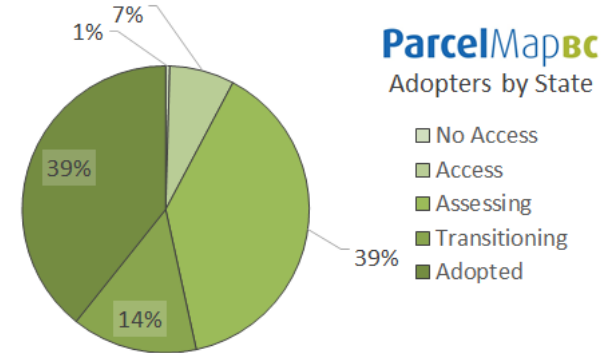
ParcelMap BC Adoption Dashboard

[Monthly Dashboard](#)

[LIVE map](#)

Green = Adopted
Blue = Transitioning

Adopter Groups by State	No Access	Access	Assessing	Transitioning	Adopted	Total
Local Governments using ICF	0	1	17	6	48	72
Provincial Groups using ICF	0	0	2	4	2	8
Local Governments who Self Maintain	1	14	60	17	27	119
Parcel Consumers using ICIS Cadastre	0	1	6	2	7	16
ICI Society (Internal)	0	0	0	2	0	2
LTSA (Internal Use)	0	0	0	0	2	2
	1	16	85	31	86	219



Note: Key Utilities-related Adopters include:

- FortisBC (Electric)
- TransMountain Canada
- BC Oil & Gas Commission
- Agricultural Land Commission
- BC Assessment Authority...

ParcelMap BC Adopters Example: BC Assessment



BC ASSESSMENT

- Automated processes developed
- Weekly and daily scheduled jobs run overnight
- Weekly manual processing for exceptional (aka difficult) properties



Tom O'Brien & Mark Harris
ParcelMap BC Adoption Certificate
June 2019

Leveraging ParcelMap BC: Beyond the initial scope

Since 2018, the [Adoption Working Group \(AWG\)](#) has been addressing Challenges & Opportunities of adopting ParcelMap BC

Key Issues Addressed or in Progress:

Working Groups & Sub-Teams:

Alignment, Land Records, Province, Large Municipality, Utilities...

Transition Planning Resources:

For assessment, planning & positioning of ParcelMap BC adoption

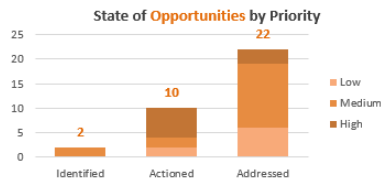
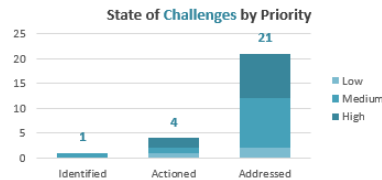
Workshops and Seminars and the [ParcelMap BC Newsletter](#)

Resources available for future reference & staying up to date

Comprehensive product information:

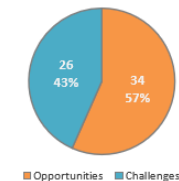
Descriptions & definitions of ParcelMap BC data & services

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Reporting Updated to:
22-Sep-21 AWG #30

Adopter Issues Summary



Spatial Data Alignment Resources:

Toolkits, 3rd Party Datasets & other tools for parcel data alignment

Dataset Enhancement & Enrichment Programs:

Back-capture of Statutory RoWs over Crown land
Titled Roads and Established Highway digitization
Interest Parcel (historic encumbrances) intake
Absolute Fee Book parcel conversion & capture

Other Enhancement & Enrichment Programs:

Proposed (pre-registration / confirmation) parcels
Universal Parcel Identifier

Please head to the Chat panel:
Poll Question Time!



Theme 2:

Utility-Focused Considerations for Adoption

Integrating Parcels+ Properties with
Utility Assets + Customer Information

Who would use ParcelMap BC in the Utilities / Infrastructure Sectors?

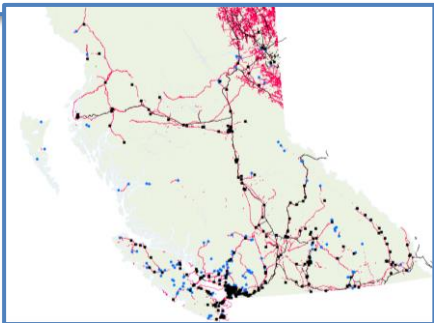
(Sources: US DHS 10-Sector CI Model, EMBC & NRCan)

Primary Types of Utilities / Infrastructure Stakeholders

- Utilities (Private & Crown)
- Municipal & Regional Government (water, sewer, storm, roads, ...)
- Provincial (Infrastructure, Regulatory)
- Federal (Infrastructure, Regulatory)
- Surveyors/Geomatics, Consulting Engineers, Construction, Locate services, Real Estate, ...

Sector Example: BC Provincial Energy Sector CI Map for Climate Change Resiliency Assessment

(source: Spatial Vision Group & Natural Resources Canada)



1 – Government

- 1 – Municipal
- 2 – Provincial
- 3 – Federal
- 4 – First Nations

2 – Energy and Utilities

- 1 – Electric – Generation
- 2 – Electric – Transmission
- 3 – Electric – Distribution
- 4 – Natural Gas – Extraction
- 5 – Natural Gas – Transmission
- 6 – Natural Gas – Distribution
- 7 – Oil & Gas – Extraction
- 8 – Oil & Gas – Transmission
- 9 – Oil & Gas – Distribution
- 10 – Liquid Propane Gas
- 11 – Nuclear
- 12 – Coal
- 13 – Ethanol
- 14 – Steam

3 – Communications & IT

- 1 – Communications
- 2 – Internet / Cloud

4 – Transportation

- 1 – Roads
- 2 – Rail
- 3 – Rapid Transit
- 4 – Ports & Harbours
- 5 – Air

5 – Water (& Waste)

- 1 – Water Supply & Distribution
- 2 – Waste Water Management
- 3 – Drainage
- 4 – Solid Waste Management

6 – Safety (& Public Protection)

- 1 – Police
- 2 – Fire
- 3 – Ambulance Service
- 4 – Emergency Facility
- 5 – Other

7 – Manufacturing (& Services)

- 1 – Chemical
- 2 – Defence
- 3 – Asphalt
- 4 – Concrete
- 5 – Forestry
- 6 – Mining
- 7 – Metal
- 8 – Manufacturing

8 – Food

- 1 – Agriculture
- 2 – Processing
- 3 – Distribution

9 – Finance

- 1 – Banks & Credit Unions
- 2 – Insurance
- 3 – Securities Exchange
- 4 – Sector Support

10 – Health Care

- 1 – Acute Care
- 2 – Primary Care
- 3 – Community Care
- 4 – Public Health
- 5 – Support Services

Very wide range, number and types of potential users who could combine parcel-properties datasets with utilities datasets

Leading Practices and Trends in Parcel-Property Adoption by Utilities and Infrastructure Organizations

- Design and engineering: Use ParcelMap BC as the starting point for designing infrastructure
- Administrative and or legal boundary alignment
- Planning, OCP, Zoning, Land Use, etc.
- As-Constructed Records
- Inspections, Maintenance, Operations
- Emergency Operations / Common Operating Picture
- Management of rights-of-way and easement
- Automation of alignment to ParcelMap BC fabric
- Business intelligence and decision support (Property Info, Assessment)
- Open access and sharing of data
- Driving data quality improvements

Technology Trends / Drivers

Big Data / Big Geodata / Analytics:

- Descriptive: *What is there? What's going on?*
- Explanatory: *Why is this happening?*
- Predictive: *What could happen in future?*
- Prescriptive: *What should we do about it?*

Systems of ...:

- Record *"As constructed, .. maintained"*
- Engagement *"Sell services, Get feedback"*
- Insight *"Work smarter, Find opportunities"*

Technical trends will continue to drive and enable the use of parcel-properties datasets by utilities / infrastructure organizations

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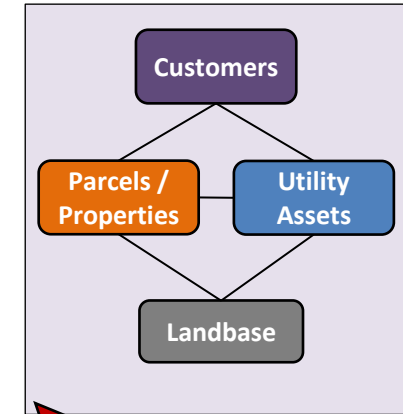
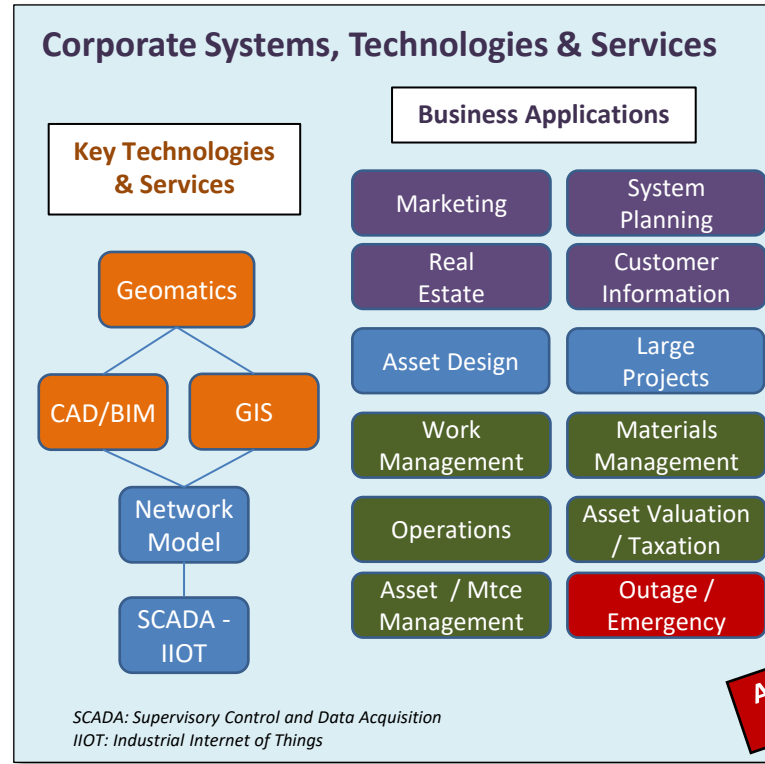
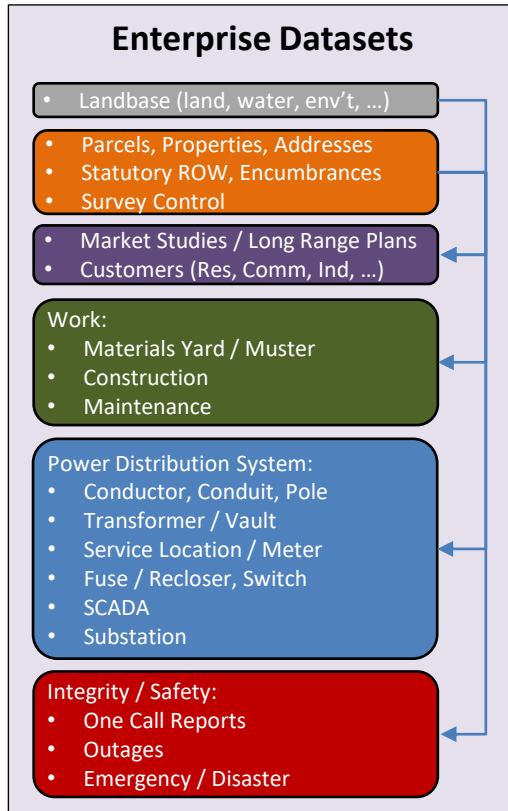
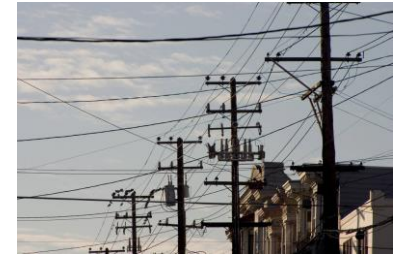
Geomatics/ Geospatial / Cloud:

- GPS, GNSS, RTK, LiDAR, Drone, ...
- CAD/BIM (3D)
- GIS-CAD/BIM Integration (AEC)
- Digital Twins, 2D and 3D models
- Mobile/Field Data
- WebGIS Cloud Services, Data As A Service (DAAS)
- Direct asset inspections: cameras, geopigs
- Utilities Locate & One Call Services
- CSA utility standard for buried infrastructure



Intelligent Geopig

Example of Datasets, Workflows & Applications: Electric Power Distribution



Drawing on a common canvas

- Many organizations start with parcel boundaries for designing, planning and creation of their information and data.
- Historically, the source parcel boundaries have come from different sources with varying accuracies, precision and completeness.
- Results in data generated with varying accuracies, precision and completeness.

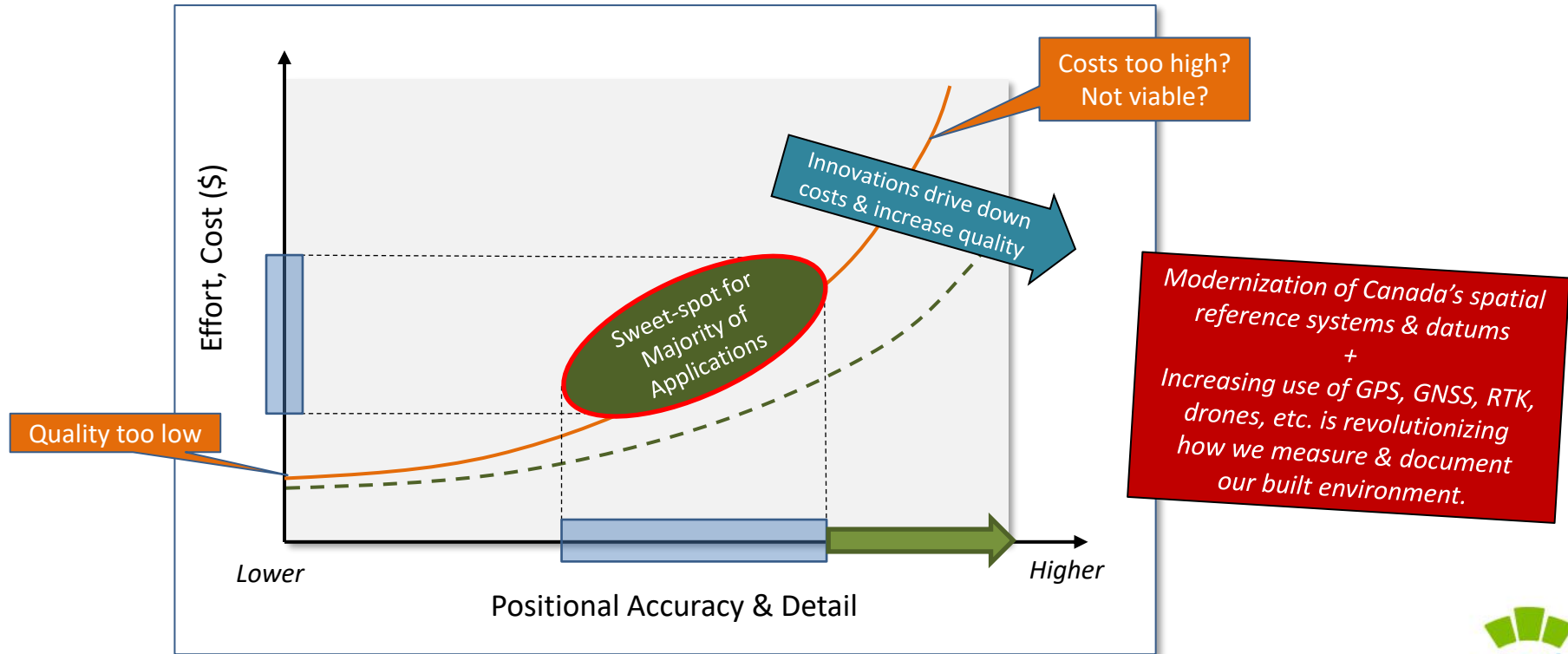


Benefits of a common canvas

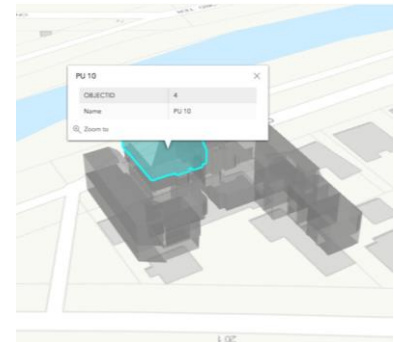
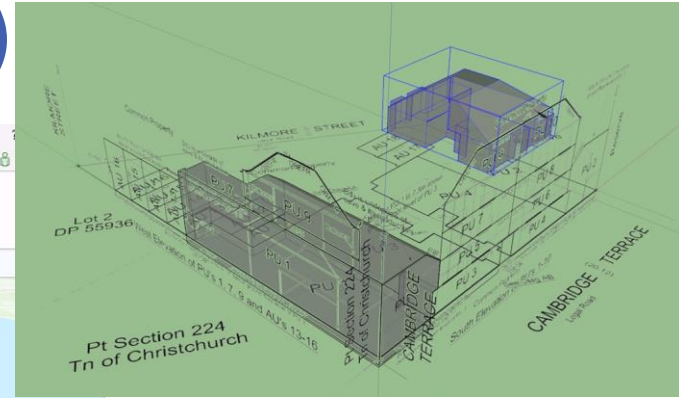
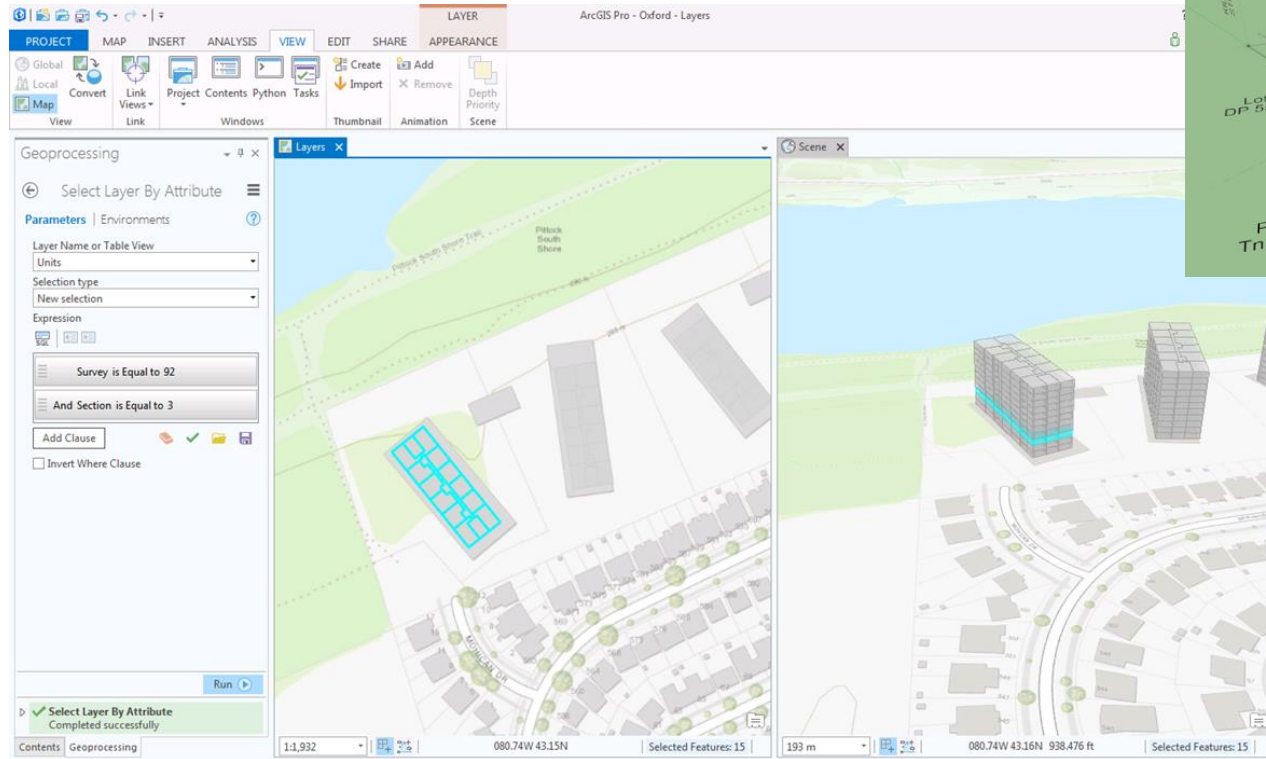
- Use of a common parcel representation for design and planning has the effect of aligning datasets between and within organizations.
- Overall goals are to:
 - Reduce or eliminate errors
 - Increase confidence
 - Reduce duplication of information
 - Reduce costs
 - Provide new opportunities...



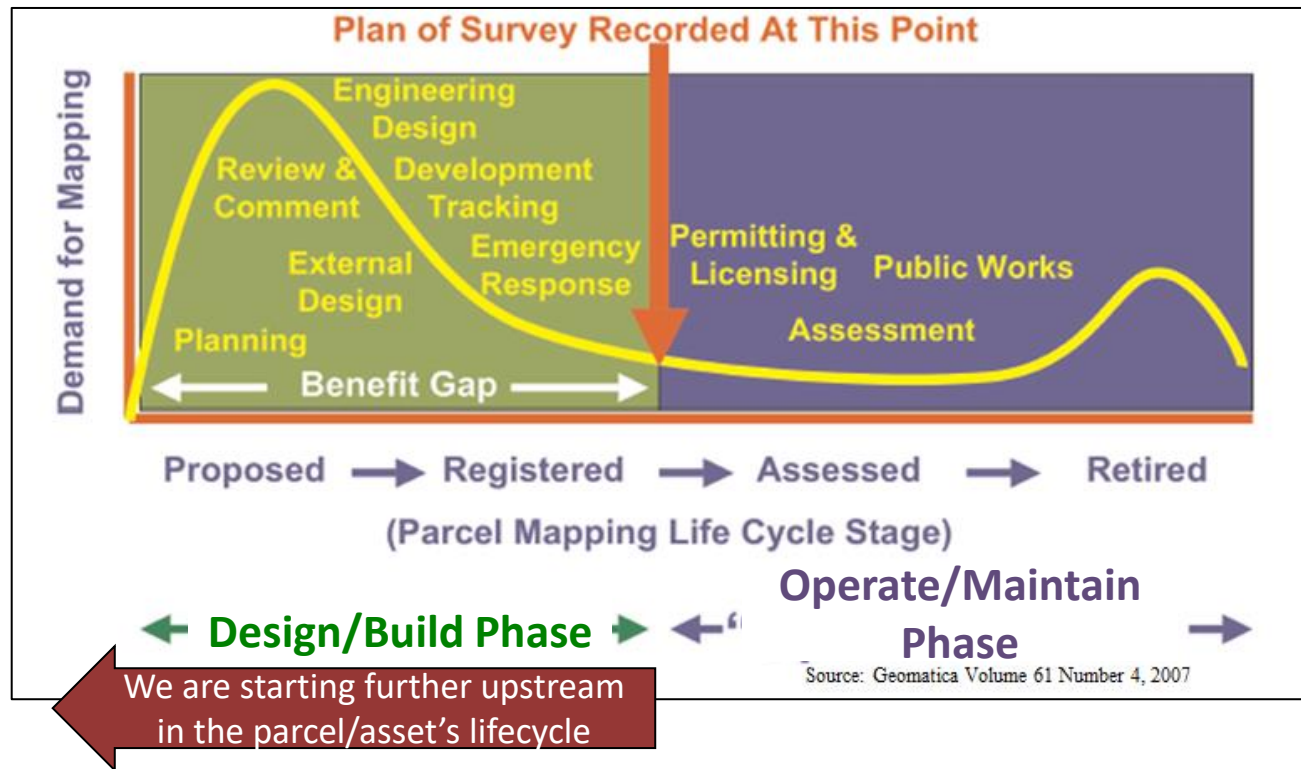
Spatial Data Accuracy for Properties-Parcels and Utilities-Infrastructure



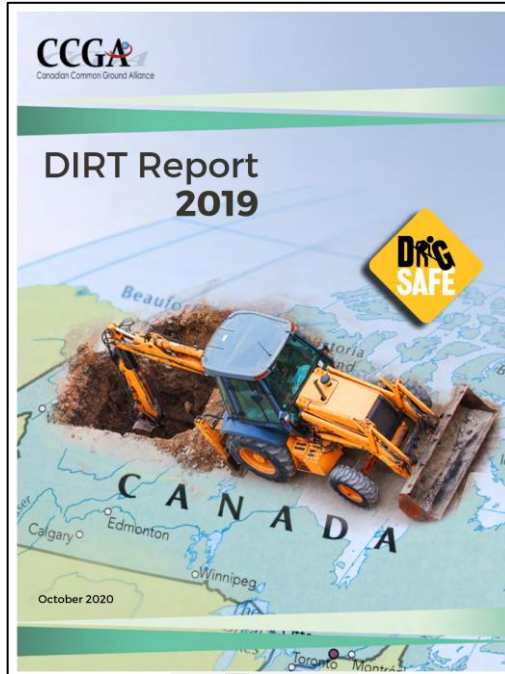
Parcels/Assets/Customers (2D / 3D)



Supporting the Asset Lifecycle: Improving Timeliness & Currency, Moving “Upstream”



Hazards to Utilities, 3rd Party Hits, One Call, Standards



DIRT Report 2019

Reporting Stakeholders

Table 9 - Summary by Province/Region, 2019

Province/Region	% of Population ‡	Damages	% of Damages	Damages per Work Day	Locate Requests	Damages per 1,000 Requests*	Locate Notifications	Damages per 1,000 Notifications**
British Columbia	11%	1,304	12%	5	202,052	6.45	679,203	1.92
Alberta	9%	3,613	27%	14	403,434	8.96	1,463,751	2.47
Saskatchewan	1%	669	6%	3	141,518	4.73	450,209	1.49
Manitoba	2%	196	2%	1	74,861	2.62	191,226	1.02
Ontario	42%	5,005	44%	20	1,071,928	4.67	6,227,227	0.80
Quebec	30%	1,102	10%	4	288,149	3.82	627,518	1.76
Atlantic	6%	60	<1%	<1	52,361	1.15	68,686	0.87
Canada	100%	11,949	100%	48	2,234,303	5.35	9,707,820	1.23

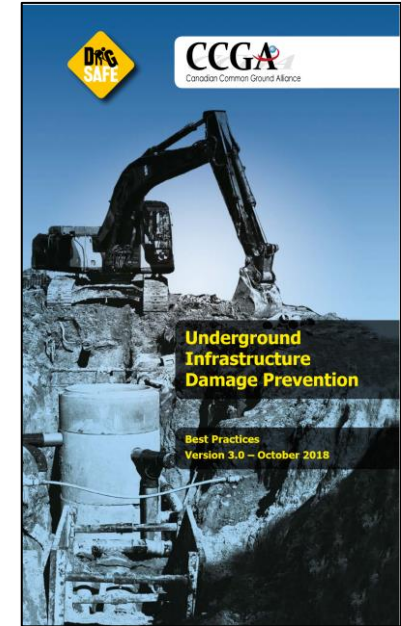
‡ StatsCan (2019)

* Locate request is defined as 'communication between an excavator and a staff member of a One-Call Centre in which a request for locating underground facilities is processed.'

** Notifications: Ticket data transmitted to underground infrastructure owners.

Examples From CSA S250 Standard (see also: ASCE 38-02, UK PAS 128, NL KLIC/KLIP)

Accuracy Level	Recording Location Information	Accuracy (95% C.I.)	Reference (absolute or relative)
1	Exposed infrastructure, Measure XYZ	+/- 25 mm	Abs
2	Exposed infrastructure, Measure XYZ	+/- 100 mm	Abs
3	Exposed infrastructure, Measure XYZ	+/- 300 mm	Abs or Rel
4	Exposed infrastructure, Measure XYZ	+/- 1,000 mm	Abs or Rel
5	Not exposed. Geophysical. XY only	+/- 1,000 mm	Abs or Rel
0	No Information		



Underground Infrastructure Damage Prevention

Best Practices
Version 3.0 - October 2018

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Operational Benefits / Hazards & Disasters

- **Operations / Costs:**

- Sharing utility asset data between the utilities
- Shared infrastructure, conduits, trenching, poles (joint use)

- **Hazards/Disasters:**

- Infrastructure interdependencies:
 - Key CI sectors provide services other CI sectors
 - Climate Resilience: NRCan studies in British Columbia
- Accuracy in location & addressing (nextGen 911)
 - Reaching people in need, properties associated with assets, restoration / reconstruction



Merritt, BC
Nov 2021



Lytton, BC
June 2021



Abbotsford, BC
Nov 2021

Please head to the Chat panel.
Poll Question Time!

Case Study: Building a Common Canvas

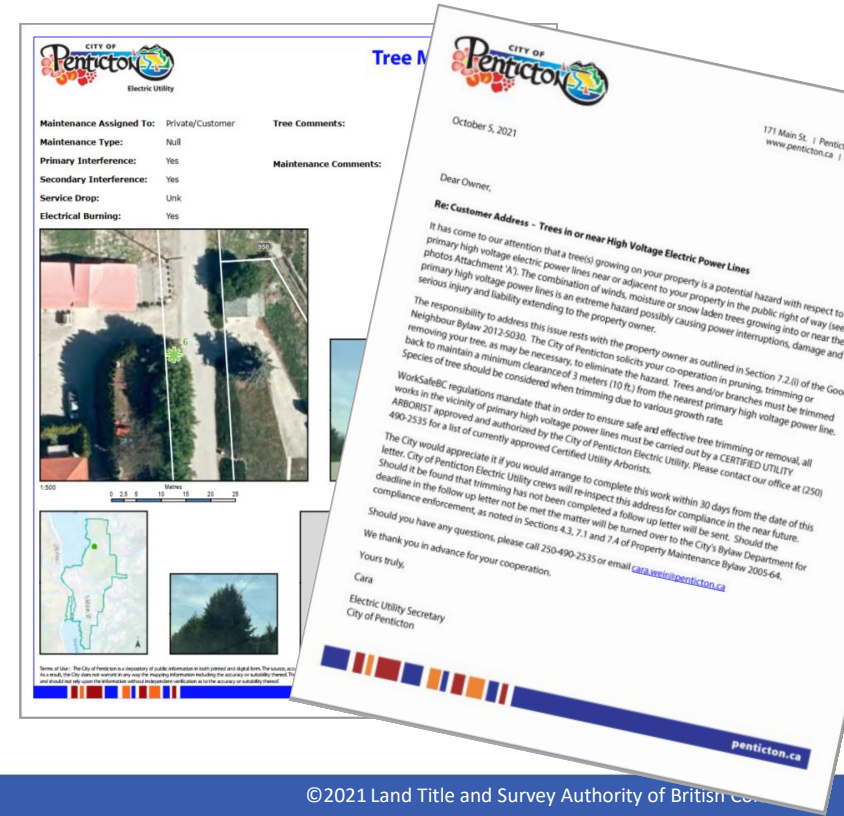
Jason Hart, Harterra Spatial GIS Solutions

ParcelMap BC at the City of Penticton

- City of Penticton was an earlier adopter of ParcelMap BC
 - Replaced their existing self-maintained cadastral base
 - Integrated with other business systems
- Leveraging ParcelMap BC to support operations including:
 - Service cards for water and wastewater
 - Tree trimming notification
 - Buried infrastructure locate requests automation
 - Many others...

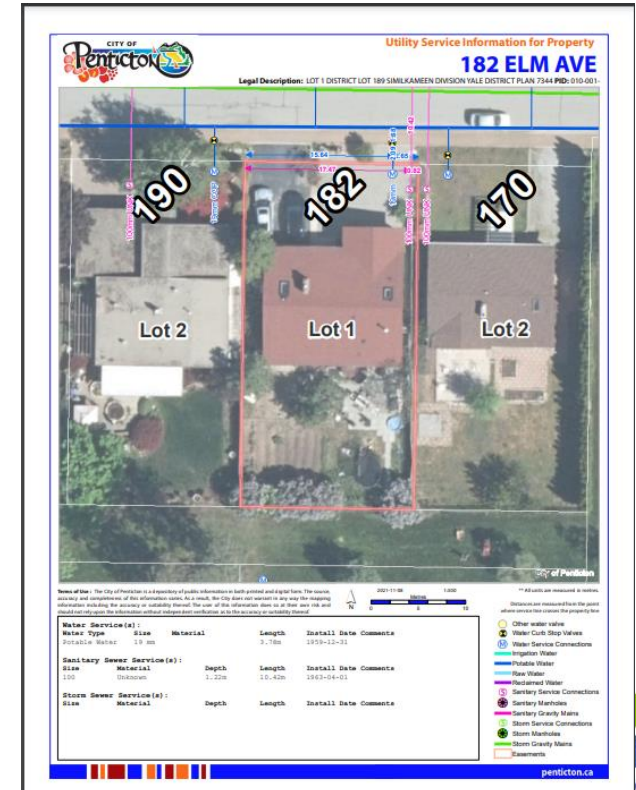
Tree trimming and notification

- Wanted efficient way to generate notifications of electrical interfering customer owned trees.
- Use field data collection to gather tree and trimming information.
- Spatial association of data collected in field with ParcelMap BC fabric



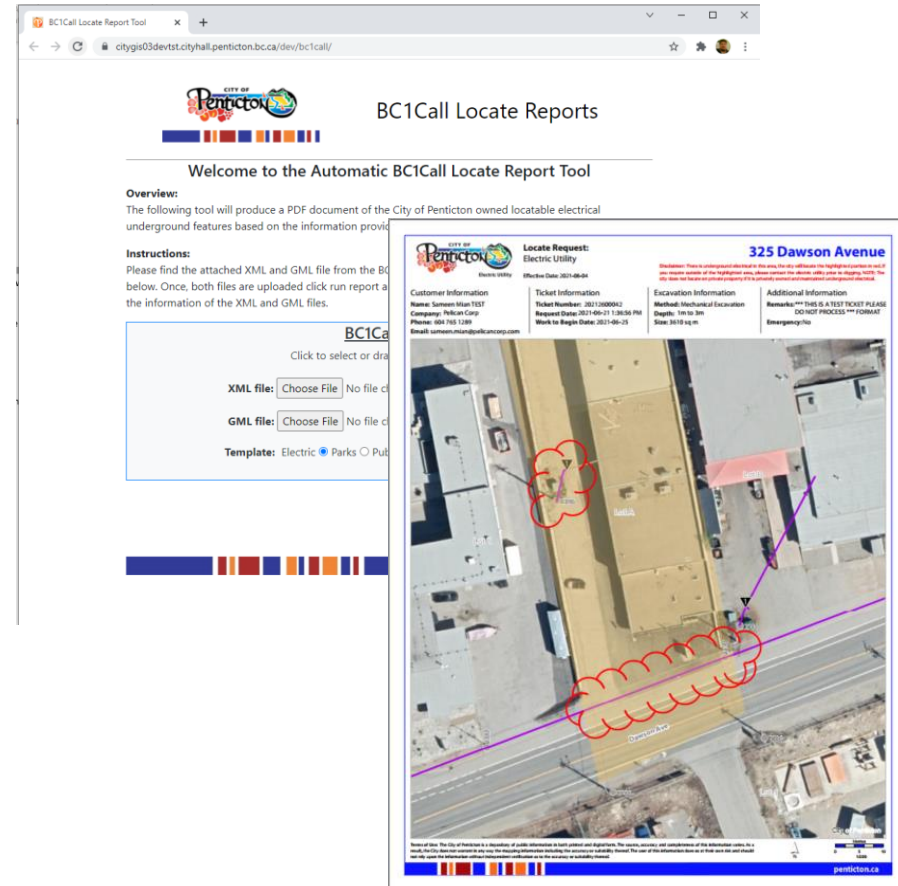
Service Utilities Report

- Historically used a non-spatial database for attributes about service and CAD for graphic representation.
- Migrated data into GIS along with ParcelMap BC parcel fabric.
- Developed automated report that automatically provides dimensions to ParcelMap BC property



Underground locates

- City responds to BC1Call requests
- Historically a very manual process to create map for response and involved multiple departments.
- Leveraged ParcelMap BC data to automate mapping for locate response.



3. Discovery

Bill Johnstone, LTSA/Spatial Vision Group
Jason Hart, Harterra Spatial Solutions

Discovery Activities

Discovery Themes:

1. Business Areas & Users
2. Workflows and Software Applications
3. Data (Business Objects, Spatial and Attributes)
4. Integrating with Other Systems

Discovery 1: Business Areas and Users

Who Uses the Parcels/Properties Data?

Business Areas & Users:

Who Creates and Uses This Data?

Departments / Groups:

Municipal Government

- Planning
- Engineering
- Public Works
- Operations
- Parks & Recreation

Utility

- Marketing
- Customer Relations
- Engineering
- System Integrity
- Transmission
- Distribution
- Joint Use / Foreign Utilities
- Operations / System Control
- Emergency Operations
- Lands and Real Estate
- Aboriginal Relations
- Records Management
- Finance, Taxation
- Human Resources

Regulatory

- Policy
- Environmental Stewardship
- Applications
- Permits and Operations
- Engineering / Integrity
- Major Projects
- Compliance & Records Management
- Liabilities, Closures, Restoration
- Strategic Relations
- Regulatory Affairs
- First Nations Relations
- Communications
- Legal Counsel
- Audit, Governance

User Types:

- Manager
- Planner
- Engineer
- Designers
- Constructor
- Operator
- Asset Manager
- Lands Administrator
- Environmental Specialist
- Land Surveyor
- Asset Surveyor
- Engineering Technicians
- Land Development Professional
- GIS Professional / Technician
- CAD-BIM Professional / Technician
- General Administrator
- Design Firms, Professional Consultants
- Constructions Firms,
- Owner's Engineer, Quantity Surveyors
- Environmental Monitoring

The types of utility departments and users who use parcel-properties data in some form is very large.

Parcel-Properties Data Use Cases

- Styles of Parcel-Properties Data Creation and Use:
 - Some use parcels directly
 - Many use parcels indirectly
 - Some are involved in the design of a new community → new parcels
- Parcel-Properties Data Use Patterns:
 - Parcels as Context: A backdrop for other data
 - Inputs Service Demand Analysis and Trends
 - Long Range Planning / Asset Design
 - Asset record (as-built positioning)
 - Engineering Assessments and Analysis
 - Disaster: Service Restoration, Recovery

Please head to the Chat panel.
Poll Question Time!

Discovery 2: Workflows and Software Applications

*How Do Your Staff Use the Parcels/Properties
Datasets?*

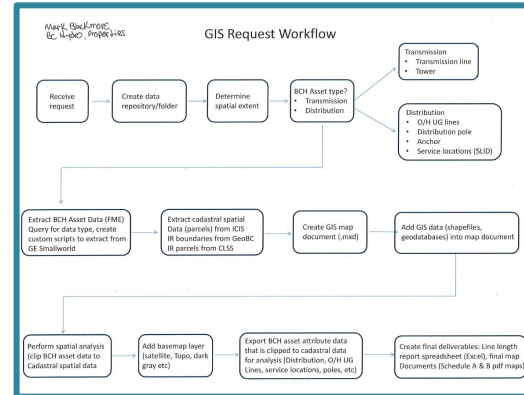
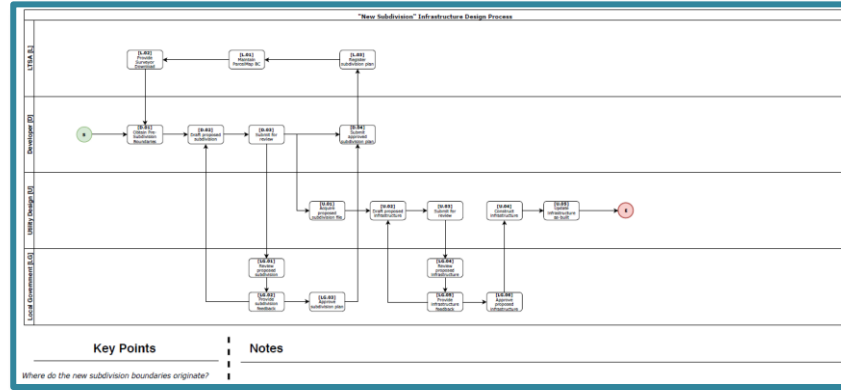
Business Contexts for Utilities & Infrastructure: Geographies, Workflows, Datasets

Each sector has its own workflows:

- Utility Workflows
- Provincial Gov't Asset Workflows
- Municipal Gov't Utility Workflows
- Regulators Workflows
- One Call Workflows

Examples:

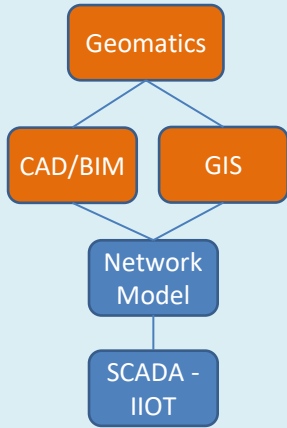
- Stakeholder Inputs to 360 Labs
- Planning / Design / Construction / Records-“As Builts”
- Inspections / Maintenance
- Upgrade / Replace
- One Call / Emergency-Disaster / Restoration-Rebuild



Software Applications

Corporate Systems, Technologies & Services

Key Technologies & Services



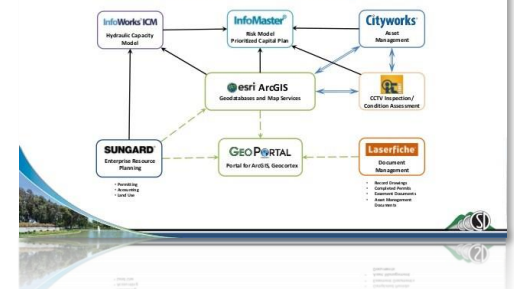
Business Applications



Acro-names (Many Utilities TLA's)

GIS / CAD / BIM / RDBMS
 CIS – Customer Information System
 WMS – Work Management System
 MMS – Maintenance Management Sys
 ERP – Enterprise Resource Planning
 OMS – Outage Management System

GIS-Centric Asset Management

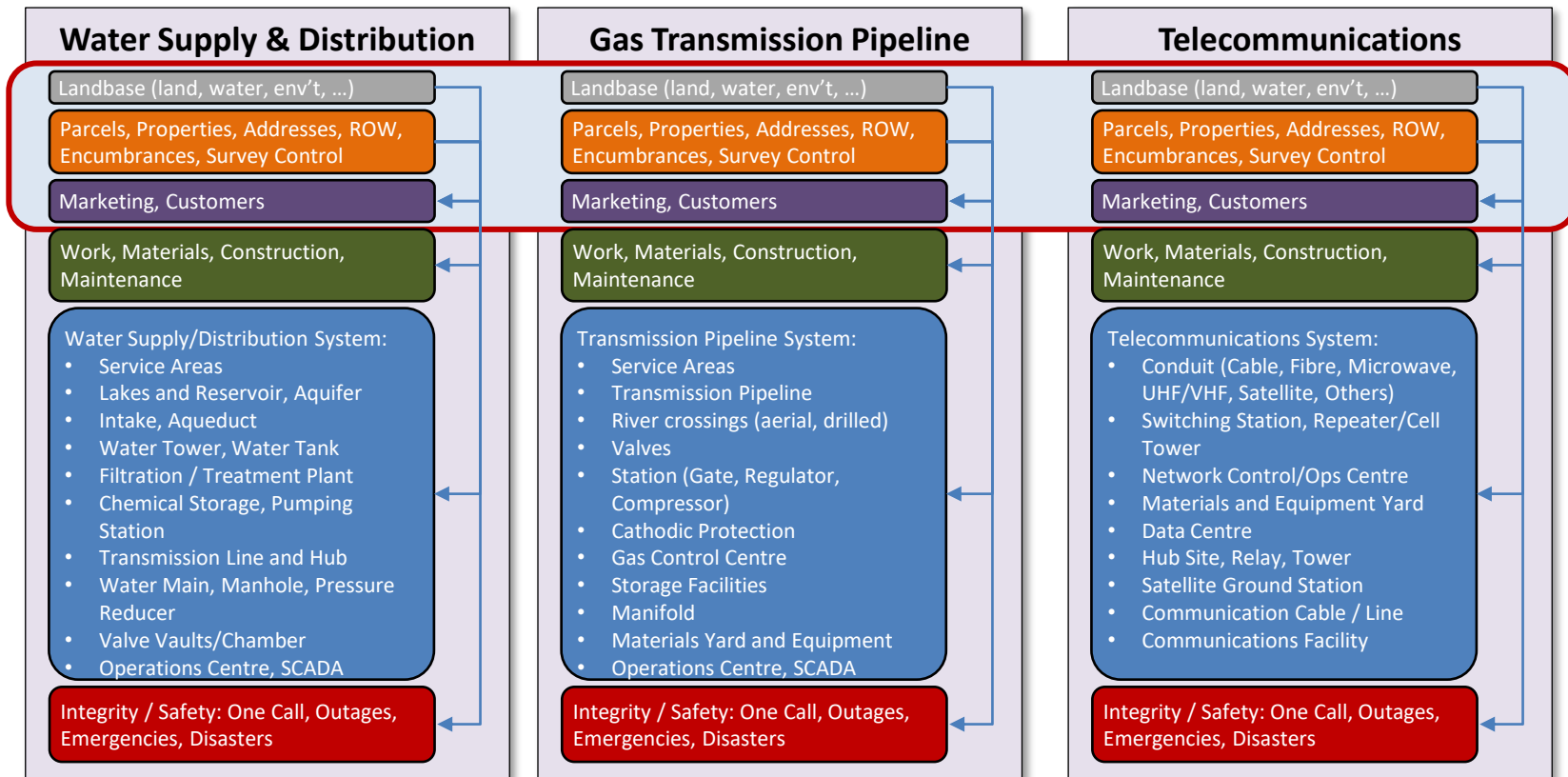


Please head to the Chat panel.
Poll Question Time!

Discovery 3: Data / Business Objects

*What Content Do You Use/Need?
(spatial, attribute)*

Examples of Business Data for Different Utility Sectors



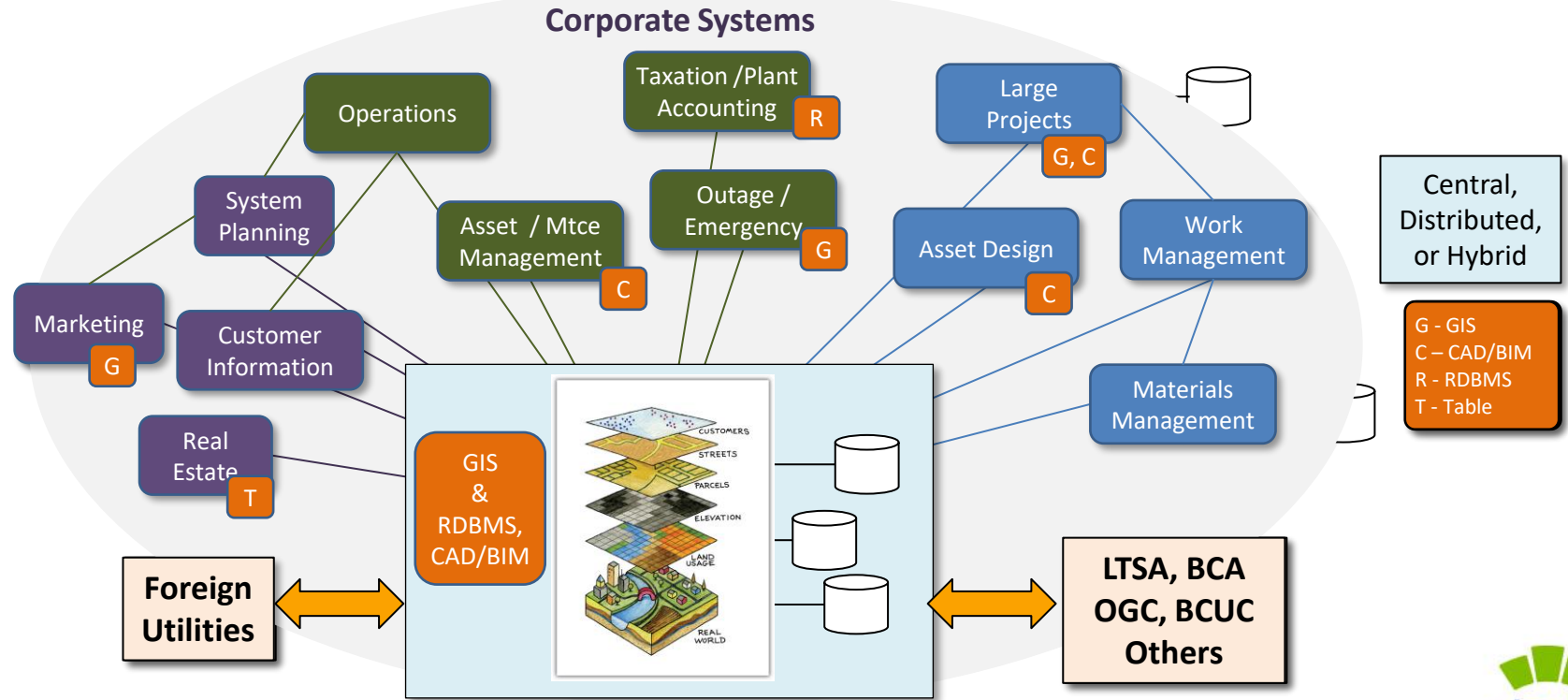
Please head to the Chat panel:
Poll Question Time!



Discovery 4: Integrating With Other Systems

Where else do you use Parcel-Property data?

Integrating with Other Systems, Working with a Common Fabric



Please head to the Chat panel:
Poll Question Time!



4. Organisational & Program Dependencies

John Samulski, LTSA/Spatial Vision Group

Key Drivers for Adopting ParcelMap BC

Benefits:

The benefits associated with ParcelMap BC adoption can be categorised into five main themes:

- Data Quality, Currency and Completeness,
- Workflow / Process Efficiency,
- Operational Savings,
- Improved Integrations and Collaborations (internal and external), and
- Improved Decision-Making and Risk Mitigation.



**ONLINE RESOURCES FROM LTSA:
PARCELMAP BC
TRANSITION PLANNING TOOLKIT**

Key Drivers for Adopting ParcelMap BC

Risks:

Organisations typically face one or more of the following risks in deferring the transition to ParcelMap BC:

- Errors during internal parcel data maintenance process resulting in decisions/actions based on incorrect information.
- Use of incorrect or inconsistent parcel fabric data relative to LTSA/LTO and BCA records.
- Damage by third-parties to buried infrastructure due to level of quality and completeness of utility “locate” maps provided to BC One Call.



Primary Challenges in Transitioning to ParcelMap BC

Adopter Organisations have identified one or more of the following challenges associated with the transition to ParcelMap BC:

- Lack of knowledge of / comfort with ParcelMap BC specifications and update processes
- Ability to quantify & articulate benefits associated with adoption
- Tailoring the transition plan to suit the specifics of your organisation
- Competing organisational priorities for application of limited resources
- Aversion to change



Please head to the Chat panel.
Poll Question Time!

Dependencies with Internal Business Areas

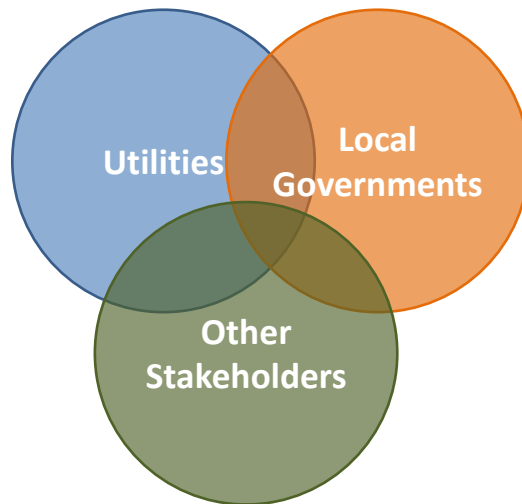
- “We will when *they* do...” (other internal business areas)
- Parcel data being managed by another internal Business Area
- Transition / Adoption tied to another internal project or initiative
- Internal project planning / budget cycle



Please head to the Chat panel.
Poll Question Time!

Dependencies with Partner / External Organisations

- “We will when *they* do ...” (partner / external organisations)
- Regulatory compliance
- Increased value of working together / Working on a "common canvas"

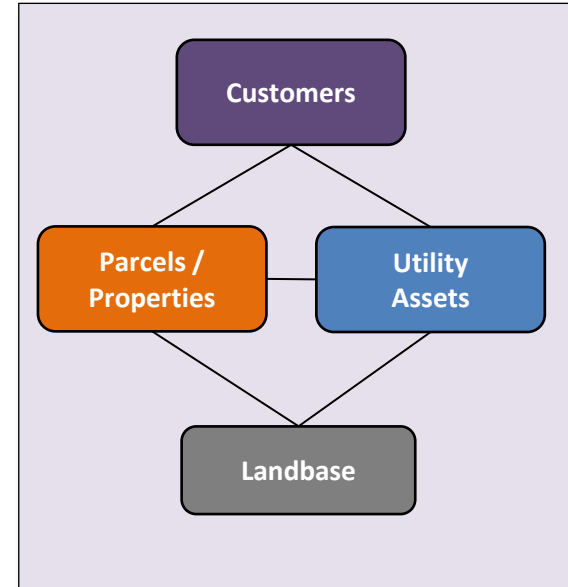


Please head to the Chat panel.
Poll Question Time!

5. Summary

1. Prior Discovery Work in Utilities Sector – 2019 360 Lab Sessions
2. Introduction to ParcelMap BC, Utility-Focused Considerations
3. Discovery Exercises:
 - Business Areas & Users
 - Workflows and Software Applications
 - Data
 - Integrating with Other Systems
4. Organizational & Program Dependencies
 - Primary Transition Challenges
 - Dependencies with Internal Business Areas
 - Dependencies with External/ Partner Organisations
5. Close Out Panel: Questions & Discussion
 - Follow-On Survey Monkey Questionnaire
 - Possible future discussions to explore how to adopt ParcelMap BC

“A Common Canvas”



5. Open Discussion, Q&A

Brian Greening, Director, ParcelMap BC Products, LTSA

Steve Mark, Director, Operations, ICI Society

Bill Johnstone, LTSA/Spatial Vision Group

Jason Hart, Owner, Harterra Spatial Solutions

John Samulski, LTSA/Spatial Vision Group

Dave Gariepy, Esri Canada

Please use the Chat
or
Raise your Hand



Thank You For Participating!

Recording & Deck links will be sent out soon...