

Palliser Regional Municipal Services

MUNICIPAL GIS ASSET MANAGEMENT

Justin Hill
GIS Coordinator

Agenda

- Who is Palliser Regional Municipal Services?
- Palliser Regional Information System Management (PRISM)
 - Asset Mapping
 - Crowd Sourced Data
 - Future Integration
- Emergency Routing Mapping Integration

Palliser Regional Municipal Services

- Located in Hanna, AB
- Non-profit, Non-government municipal owned organization
- Provide Planning and GIS Services to 28 municipalities in East Central Alberta

PRISM Challenge

- Challenge to create a way for 28 municipalities to have access to GIS without GIS trained staff and software.
- Integrate existing municipal taxation and assessment processes.
- Create processes for Asset Mapping
- Create Spatial Analysis tools to be used by non GIS staff
- Support multiple browsers and mobile devices with a single development effort.

PRISM Development

- Two sided website, Municipal and Public
- Backed by SVG HTML 5 Map Server.
 - SVG – Scalable Vector Graphics
 - HTML 5 allows for single development for multiple devices. No more apps, Silverlight plugins, or Javascript

PRISM Municipal Theme

- Integrate Parcel data and Infrastructure Data.
- Work Order Functionality – Simplify work for larger municipalities – create paper trail for smaller municipalities
- Custom Mapping and Exports – Measuring tools
- Mail Outs, Call outs (spatial tools such as buffering)

PRISM Municipal Theme

- Linking and uniting Databases such as parcel information, assessment, taxation
- Web based and secure
- Privacy and sensitive information protected by security credentials.

PRISM Public Theme

- Recreation and Tourism Links
 - Camping
 - Swimming
 - Golfing
 - Hiking
 - Museums
 - Historic Sites
- Parcel Mapping (No Owner Names on public site), Public Assessment Information

PRISM Public Theme

- Cemetery Mapping
- Future Integration
 - Real Time Road Condition Maps
 - Video Road and Pipeline Data
- User Added Data
 - Crowd sourced data on local “hotspots”
 - Online memorials, value added data

Emergency Management Integration

- Helping Alberta Health Services and local Fire Departments respond to local emergencies.
- Use local knowledge to produce high quality accurate maps (road alias).
- Integrate 911 Dispatch center with local GPS devices on Fire and Ambulance Apparatus.

Questions??