



**PUBLIC WORKS
WATER, WASTEWATER, SOLID WASTE, FLEET, FACILITIES**

GOVERNANCE AND PRIORITIES COMMITTEE

APRIL 16, 2024

PUBLIC WORKS – WATER & WASTEWATER

Water and Wastewater Services provides direct utility services to County residents through the operation and maintenance of potable water distribution systems, wastewater collection systems and wastewater treatment systems.

Responsible for:

- Acheson/Big Lake, Wabamun, and Entwistle water distribution systems
- Acheson/Big Lake, Atim Creek, Wabamun, and Entwistle wastewater collection systems
- Wabamun, Entwistle, Duffield, and Tomahawk wastewater lagoon treatment systems
- Three wastewater transfer stations for private wastewater truck disposal at Entwistle, Stony Plain and Hwy 16/44

PUBLIC WORKS – WATER & WASTEWATER

Current Projects

- Asset repairs in sanitary lift station Zone 5 in Acheson
- Well abandonment in Entwistle and Wabamun
- Pump issues in Wabamun main Sewage Lift Station
- Wastewater haulers and Arrow Overstrength Charges
- Implement GPS for Wastewater Transfer Stations
- Life cycle assessment of our Water and Wastewater buildings
- SCADA Central Station to be located in Wabamun Firehall
- Longer term project – unaccounted water loss

PUBLIC WORKS - SOLID WASTE

Solid Waste Services provides direct services and programs to County residents through the operation and maintenance of:

- 7 solid waste transfer stations (PCTS being the largest)
- 2 recycling centers
- Curbside solid waste collection in Entwistle
- Curbside solid waste, blue bag, and organics collection in Wabamun

PUBLIC WORKS - SOLID WASTE

Current Projects

- New Extended Producer Responsibility (EPR) legislation
 - County now registered with the Alberta Recycling Management Authority (ARMA) under the EPR framework.
 - Shifting of financial and operational burden of collecting, transporting, managing and recycling of PPP (products, packaging and paper products) and HSP (hazardous and special products) materials to ARMA who then pass costs to the producers who supply those materials.
- This Fall, Public Works is to tender solid waste collection, recycling, and disposal services for the Big Lake residential area and bring back recommendations to Council regarding provision of this new service to the area.

PUBLIC WORKS - SOLID WASTE

Current Projects (continued)

- Bringing in power to replace the old generator that runs the compactor at Kapasawin Transfer Station.
- New camera system for the Parkland County Transfer Station for the new scale house kiosks and the main tipping building.
- Conducting a life cycle assessment of all Solid Waste facilities to gather condition information and future replacement costs.

PUBLIC WORKS - FLEET

Fleet Management Services manages:

- vehicle and equipment acquisition and disposals
- maintenance for County equipment and vehicles
- fuel management
- GPS equipment
- vehicle and equipment rentals

Parkland County's Fleet consists of 75 light and medium duty vehicles, 11 heavy trucks, and 138 light, medium and heavy pieces of equipment with an approximate replacement value is \$43.2M.

Fleet Life Cycle Plan Purchases in 2024 consists of 55 vehicles or equipment being replaced with a value of \$6,028,400.

PUBLIC WORKS - FLEET

Current Projects

- Mobile Equipment Life Cycle Plan update

Have looked at opportunities to reduce fleet life cycle requirements including:

- ¼ ton trucks versus ½ tons for some areas
- Examining the size of graders
- Extending the life and warranty on graders and loaders
- Extending life for low mileage vehicles in satisfactory shape
- Analyze rental versus ownership for low use vehicles

- Review New Fleet Rate Models for Alternative Options on Departmental Cost Recovery.

PUBLIC WORKS - FACILITIES

Facilities Maintenance Services manages Parkland County facilities, facility assets and facility operations, maintenance and utilities including 27 buildings with a replacement value of \$72M.

PUBLIC WORKS - FACILITIES

Current Projects

- 2023 Capital Projects - \$390,900
 - County Center air handling unit, water treatment system renewal, and upgrading of sewage lift station along Hwy 779
- 2023 Operating Projects - \$725,600
 - Life cycle replacement items for County Centre, County Services Building, Entwistle Office/Food Bank, and Tomahawk buildings
 - Assessment of facility staffing requirements
- Updated Life Cycle Plan
 - Life cycle plans for the Wabamun buildings coming to Council
- County Office and County Services Building Renovations Project