NEWPCC Upgrade

Mega Capital Project Steering Committee

Executive Policy Committee

March 17, 2026

Winnipeg

Headworks Project Progress

Headworks:

- Functional testing of the electrical distribution system
- NEWPCC Grit Area modifications
- Fuel system installation for Standby Generator Building

DCS Migration:

- Dewatering Area programming and panel installation
- Migration started on February 23, 2026

Primaries:

- Concrete pours
- Testing for the main floor and beams

UV:

- Gate delivery on February 5, 2026
- Gate installation

Headworks – Diesel Fuel System



UV Upgrade

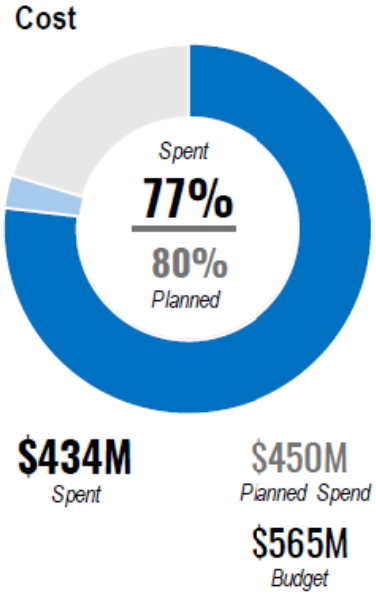


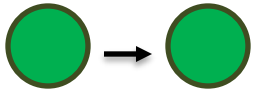
UV Upgrade – Energization



Headworks – January 2026

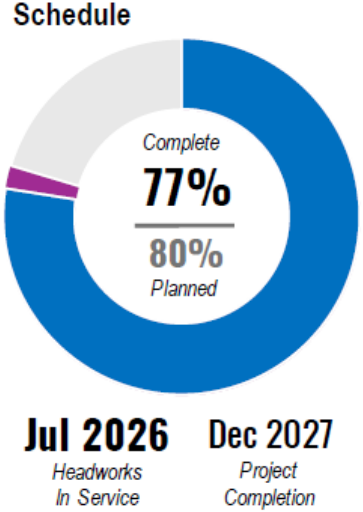
- Cost





- $2.2 million spent
- Costs tracking to planned

- Schedule





- Milestones were close, but not met
- Planned construction activities not met
- Schedule concerns being reviewed

Headworks – January 2026

- Key risks: 
  - New:
    - Centrate tie-in work
    - Potential odour during start-up
  - Ongoing:
    - System tie-ins
  - Mitigated:
    - UV gate delay

- Other items:
  - Safety refresher training completed in January; safety training for Operators participating in commissioning is underway
  - Heritage resource monitoring resumed in February (no concerns were identified)

Biosolids Project Progress

Utilidor and Site Preparation:

- Substantial completion achieved on January 12, 2026

Land Drainage System (LDS):

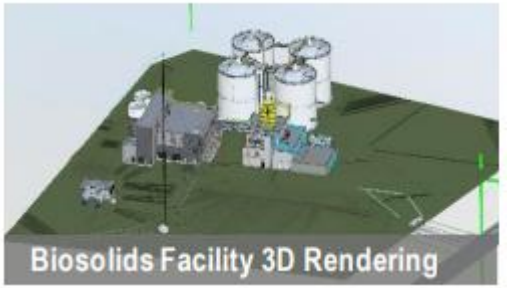
- Construction is ongoing
- Sidewalk closures have begun

Temporary Electrical Service Installation:

- Overheard work began January 2026

Northwest Interceptor (NWI) Lining:

- Lining is installed and bypass pumping has ended
- Installation of manhole risers is ongoing


Biosolids Facility 3D Rendering


NWI Manhole


NWI Installation of Manhole Risers

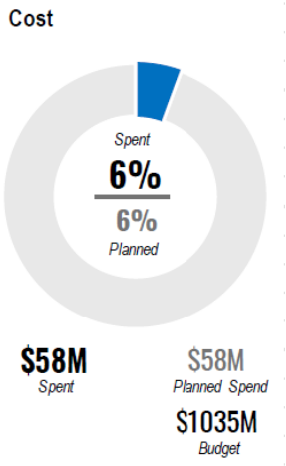
NWI Liner Installation





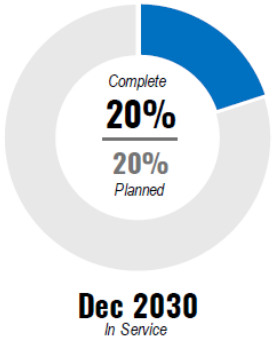
Biosolids – January 2026

- Cost



- $3.6 million spent
- Design phase paid on time and materials
- Costs tracking to planned

- Schedule



- On track for Design Phase
- Prepratory works contract is complete

Biosolids – January 2026

- Key risks: 
  - Ongoing:
    - Cost and schedule
    - Market conditions
    - Biosolids capacity to support development

- Other items:
  - Community Liaison Officer position hired
  - Sidewalk closures

Nutrient Removal – Update

- RFP Step 2
  - posted January 26, 2026
  - procurement processes are ongoing
  - Submission Deadline is June 19, 2026
- Project Team developing information to support CPKC's review of the surface rail crossing
- Site preparation activities have commenced

NEWPCC Upgrades

Thank you

winnipeg.ca/waterandwaste/sewage/treatmentPlant/newpcc.stm

Winnipeg