

Public Works Monthly Report – For the Month of September 2024

Each month Council will receive a report regarding the various activities under the Public Works department. Each report will include information on the previous months activities as well as updated year to date information. All efforts will be made to ensure that the information provided is accurate and up to date as possible.

Administration

The following policies were brought to Council in September to be rescinded:

PW 013 – Sale of Gravel Standards & Procedures

PW 026a – Gravel Pit Reclamation

PW 026b – Administrative Guidelines for Gravel Pit Reclamation

The review process for the following policies began this summer and will be brought to Council in October:

PW 010 – Road Construction Standards & Procedures

PW 012 – Public Works Projects Policy

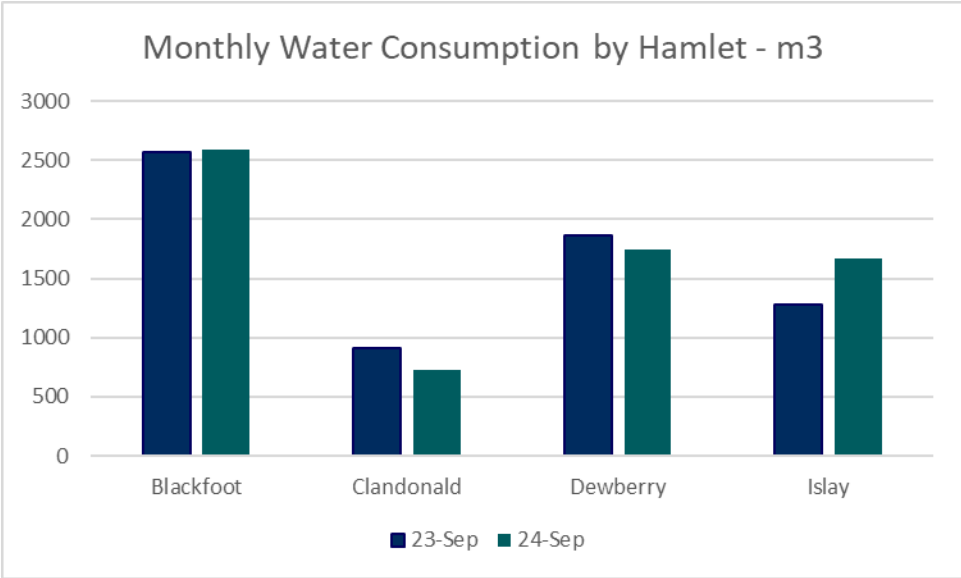
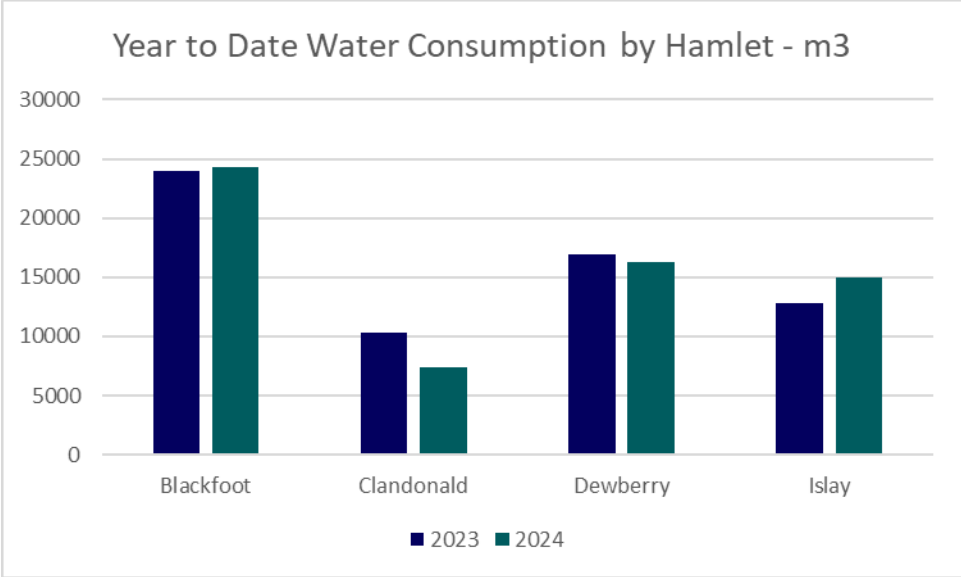
PW 019 – Emergent Projects

PW 020 – Drainage Ditches

The corporate plan and the long-term plans were presented at the annual strategic planning meeting. Public Works is currently working on an Asset Management Plan to be presented to Council before the end of 2024.

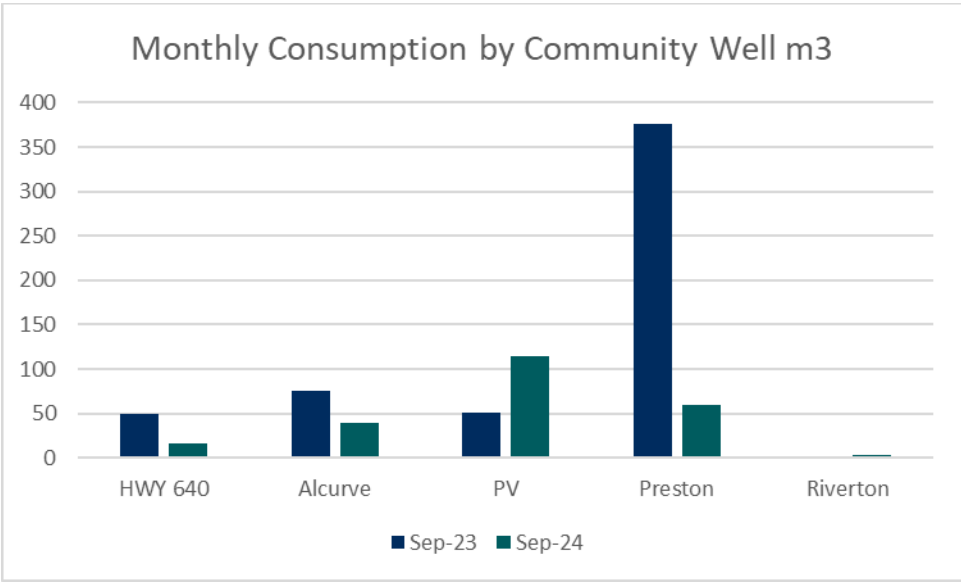
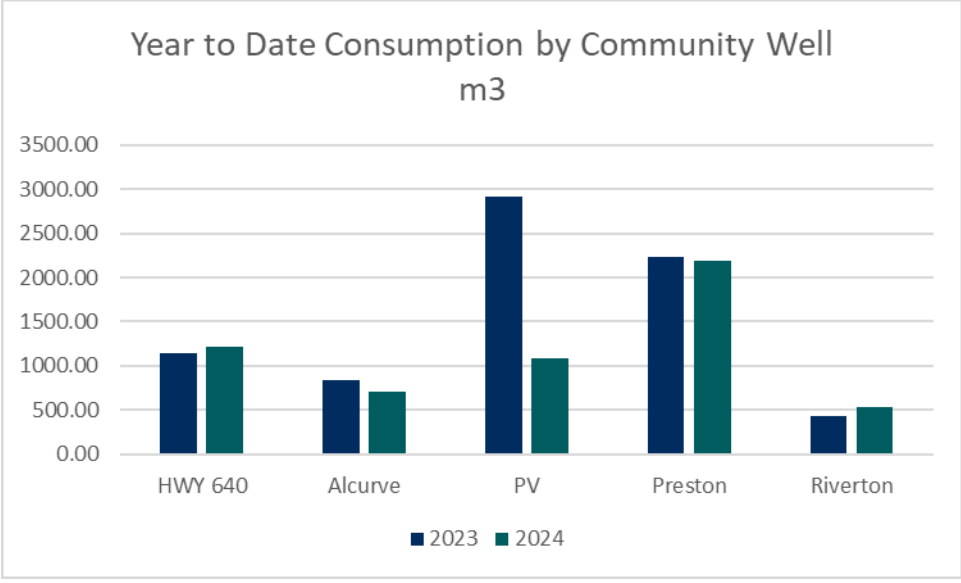
Water & Sewer

The graphs below illustrate the water consumption in the Hamlets on the ACE water distribution line per the water volume billed from ACE.



Included in the monthly consumption for Dewberry is the water sold at the bulk water station. For the month of September it was 122.5 m3.

The graphs below illustrate the water consumption at the rural water wells per the water volume billed through the token system.



Water Activities of Note:

- Preparing for fall.

Gravel Activities

The chart below shows the total gravel inventory in cubic yards.

Total Gravel Inventory Volume Yards
as of September 30 2024

3/4"	165,650.90
1 1/2"	45,210.91
Reject	244,185.26

The chart below shows the gravel used on roads to date for 2022, 2023 and 2024. This does not include gravel hauled between pits and stockpiles.

Tonnes of Gravel Used as of September

	2022	2023	2024
3/4"	89,010.63	103,797.82	108,930.96
1 1/2"	5,145.64	4,814.16	2,742.14
Reject	270.84	93.08	0.00

Gravel activities of note:

- Eidsvik Pit – Crushing began Oct 15; approximately 3-4 weeks to finish. 40,000 yd3 total.
- Bykowski 3 Pit – Crushing began Oct 8; approximately 2-3 weeks to finish. 30,000 yd3 total.
- Tondu 2 Pit – Supplier says crushing will begin sometime in Fall 2024. 25,000 yd3 total.
- Prep for the next crush at Unwin Pit began Oct 15, should finish in about 1-2 weeks.

Road Maintenance

Road Maintenance activities of note:

- Graveling roads when weather and road conditions allow utilizing 6 County trucks and 1 contract gravel company truck as needed. Roads in most need of gravel and with heavy traffic volumes are being given priority.
- Additional applications of Dust Suppression will be completed as needed on high traffic volume roads as required.
- Working on undeveloped roads to facilitate agricultural seasonal access.
- 105 road maintenance concerns were received in September via the concern tracker. There have been 643 road maintenance concerns received this year to date.

Fleet Management

The chart below summarizes the work orders by department completed by the Public Works equipment maintenance shop for the month as well as the current year to date.

Public Works Maintenance Shop
Work Orders by Department

	Month	YTD
Public Works	89	740
Ag & Enviro	2	14
Gas	7	87
Protective Services	1	18
Total	99	859

Fleet management activities to note:

- Wings are going on the graders when the regular preventative maintenance occurs.
- Sanding/plow trucks are being rigged up for winter snow removal and sanding.

Safety

Safety activities to note:

- Working on updating policies through the Health and Safety Committee and leadership.
- Meeting with all PW staff to reinforce safe working practices.
- Preparing for the annual audit.

Road Rehab & Cobble

The order for the 2024 road rehab projects is:

1. TWP 524 BIG HILL
2. RR 40 TWP 524 – South 1 mile
3. RR 20 TWP 510 – TWP 512
4. RR 62 TWP 494 – TWP 504

Rehab Project Costs to September 29 2024

Project #	Road Segment	Miles	Cost
84-062	RR 62 TWP 494 - TWP 504	6	470,696.17
84-065	TWP 524 - BIG HILL	1.7	164,506.25
85-134	RR 40 TWP 522-524	1	102,262.64
85-135	RR 20 TWP 510-512	2	184,711.12
Total		10.7	922,176.18

- Highlighted projects are completed

The tentative order for the cobble crew is:

1. RR 15 TWP 494 – HWY 16
2. RR 14 TWP 490 – TWP 492
3. RR 15 TWP 500 – TWP 502
4. RR 25 TWP 510 – TWP 512
5. RR 22 HWY 16 – TWP 504
6. TWP 530 RR 32 – RR 34
7. RR 33 HWY 45 – TWP 534
8. TWP 540 HWY 893 – RR 44
9. RR 50 HWY 45 – TWP 540
10. TWP 550 HWY 893 – RR 45
11. RR 55 HWY 640 – TWP 550
12. RR 55 TWP 542 – TWP 544
13. TWP 480 RR 13 – RR 14
14. TWP 472 Hwy 17 – RR 12
15. RR 40 TWP 510 – 512

Cobble Project Costs to September 29 2024

Project #	Road Segment	Cost
84-136	RR 14 TWP 490 – TWP 492	43,783.88
85-138	RR 22 HWY 16 – TWP 504	56,002.87
85-140	RR 25 TWP 510 - TWP 512	39,588.79
85-141	TWP 530 RR 32 - RR 34	48,741.68
85-142	RR 33 HWY 45 - TWP 534	23,351.51
85-143	TWP 540 HWY 893 - RR 44	23,930.66
85-144	RR 50 HWY 45 - TWP 540	22,987.01
85-145	TWP 550 HWY 893 - RR 45	28,883.22
85-146	RR 55 HWY 640 - TWP 550	29,074.34
85-147	TWP 480 RR 13 - RR 14	26,517.28
85-148	TWP 472 Hwy 17 - RR 12	31,275.38
85-149	RR 40 TWP 510 - TWP 512	0.00
86-048	RR 15 TWP 494 – HWY 16	34,947.39
86-049	RR 15 TWP 500 – TWP 502	24,051.80
Total		433,135.81

- Highlighted projects are completed

GIS

GIS activities to note:

- Working on updating the snowplow flag mapping for the 2024/2025 season and getting access for field staff.

Facilities

Facility activities to note:

- Facilities seasonal crew started to wind down.
- Addressing facility inspection deficiencies and completing any required maintenance and repairs.
- Cleaning up properties taken over by CVR.
- Welcome signs in Dewberry and Clandonald are being painted by seasonal staff member.

Projects & Tenders

Project Updates:

- 2024 Road Maintenance Program: Completed in early September. This project included:
 - o Twp 502 (RR 20 to half-mile east of RR 14), Treatment type: Micro-surfacing
 - o Twp 534 (Hwy 897 to RR 21). Treatment type: Graded Aggregate Seal Coat (chip seal) and spot patching between RR 23 and RR 24

- 2024 Line Painting: AAA Striping & Seal Coating completed September 20th.
- RR 23 and TWP 560 (cost share) is completed. They started at the North end of the project and worked South. Atco has relocated the power pole at the north end of the project and sight line has been improved at the intersection. There are some deficiencies in the oiled road aspect of the project that will be addressed in the spring of 2025.
- Clandonald Condition Assessment: Final draft of the report received in September. The information from this assessment will be incorporated into the Hamlet long term plan.
- Blackfoot Lagoon project:
 - o Phase 2 is almost complete. Information will be presented at the October P&P meeting.
 - o Land discussion for the lagoon expansion is ongoing.

Industry Activity

The chart below shows a comparison of the permits issued for work in CVR in September in 2023 and 2024.

Permit Approval Requests

	23-Sep	24-Sep
Type	Quantity	Quantity
Service Rig	151	148
Heavy Haul	158	111
Drilling Rig	14	15
Sr/HH Combo	2	1
Total	325	275

The chart below shows information regarding oil and gas production within CVR as reported and compiled by Alberta Energy Regulator. The information provided is for the most recent data that is available.

Oil & Gas Reporting Per AER for August 2024

Oil Production (m3)	126,535.4
Gas Production (1,000 m3)	25,041.4
Gas Flared (1,000 m3)	3,239.3
Gas Vented (1,000 m3)	847.5
New Drills	10
New Abandonments	78

The GIS department has created an interactive map on the server to highlight hot spots of production.
The link to access this map is:

<https://gis.county24.com/maps/apps/dashboards/f2eef1d58afc4122a665c2e68a1b407a>

To log in information for the GIS server is the same as your division email address. Please let PW know if you encounter issues trying to access this map.