



HEART RIVER REA

2021 ANNUAL REPORT



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REPORTS AVAILABLE UPON REQUEST

The following reports are available:

PROGRAM DESCRIPTIONS

A detailed description of all ATCO Electric planned programs.

UNPAID TRANSFORMER CAPACITY REPORT

An itemized list of all sites in the REA where transformers have been upgraded due to burnout or other emergency replacement and paid through the adder account.

DAMAGE AND COMPLAINTS REPORT

A summary of damage and any complaints for the current reporting year. Descriptions of individual incidents or complaints are available from you customer service representative or serviceman at the time they occur.

INTEGRATED SYSTEM RELIABILITY REPORT

ATCO Electric's reliability statistics derived from the number of outages (frequency) and length of outages (duration) for the reporting year.

The following reports are provided at various times throughout the year:

UNCAPITALIZED (work in progress) and CAPITALIZED PROJECT REPORTS

Financial status information on all projects in your REA. Provided quarterly to the Board Secretary and President.

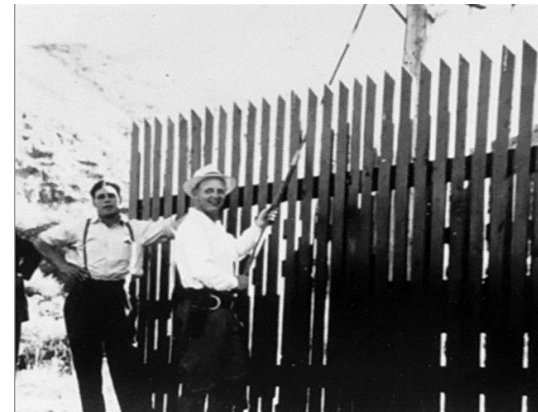
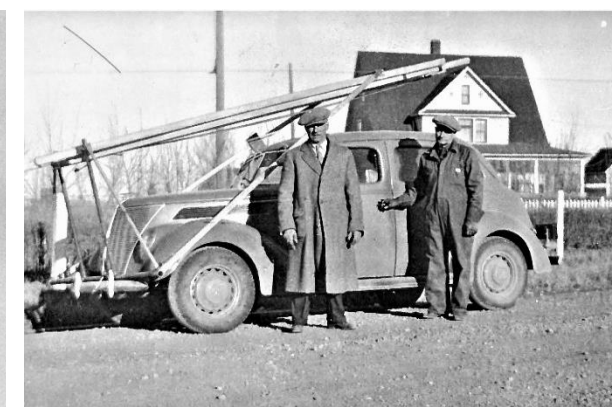
ASSET DOCUMENTATION REPORT (replaces Poles Aging report)

Inventory of poles and structures, including age, type and height. Provided annually with current maps.

UNDEPRECIATED ASSET LEDGER

A detailed listing of the undepreciated assets of your REA provided to the Secretary and President as part of the fourth quarter package. The year-end figure is included in the at-a-glance section of this report.

General inquiries and service requests: 1-800-668-2248
24-hour power outage and emergency line: 1-800-668-5506



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Working together since 1994, ATCO provides Operations and Maintenance to the Heart River REA membership and their 594 sites under the Contract Policy Committee agreement.

DISTRIBUTION SYSTEM HIGHLIGHTS	
TOTAL KILOMETERS OF LINE	
7,200 volt (7.2 kV)	272.4 km
12,470 volt (12.5 kV)	2.4 km
14,400 volt (14.4 kV)	258.0 km
25,000 volt (25 kV)	3.2 km
Total km of line	536.0 km

TOTAL POLE COUNT	
Butt Treated	1
Full Treated	5619
N/A	6
Total Pole Count	5626

COMPONENTS & USAGE	
3 kVA Breaker	22
5 kVA Breaker	59
7.5 kVA Breaker	215
10 kVA Breaker	203
15 kVA Breaker	55
25 kVA Breaker	37
Demand	4
Total	595
Average Monthly Consumption	1114 kWh

FINANCIALS	
Undepreciated Asset Value	\$5,033,222.32
Deposit Reserve Additions	\$101,663.10
Levy Additions	\$55,430.25
Deposit Reserve Multiplier	4
Deposit Reserve Flat Fee	\$0.00 per day
Association Levy	\$0.25 per day
CPC O & M Adder	\$0.14 per day
<i>Financial analysis as of December, 2021</i>	

OUTAGE REPORT	
Adverse Weather	8
Adverse Environmental	1
Defective Equipment	25
Foreign Interference	7
Human Element	0
Lightning	2
Outage Reported/None Found	0
Scheduled Outage	11
Tree Contacts	20
Unknown/Other	22
Total	96

This information has not been audited and has been compiled from a variety of sources. It includes forecasts along with estimates and may be adjusted from time to time to ensure the fair and accurate reporting of projections, inventories and projects. These estimates are for budgeting purposes only. Values may have been rounded.

REA VALUATION ESTIMATE	
This RCN-D valuation estimate is for the purposes of a financial audit or applying for a financial loan. This is not a purchase proposal.	
As mentioned in the 2020 report, the ongoing updates to the geospatial data to track REA assets has improved the accuracy of asset data for each REA. The use of more accurate asset data, along with the fluctuating costs to reproduce distribution assets in 2021, may impact the estimated valuation of your system since it was last reviewed as part of the 2020 annual report.	
Please reach out to the Customer Relations team if you would like to further discuss the changes to your REA's system valuation estimate or if you are interested in having ATCO generate a field verified system valuation.	
The 2021 Heart River REA estimated RCN-D valuation is: \$9,725,672	

PLANNED MAINTENANCE WORK (POOLED O&M)			PLANNED CAPITAL WORK (REA EXPENSE)		
2022	Pole Test	\$1,775	2022	Pole Treat	\$312,632
	Herbicide	\$35,000		Emergency/Danger Pole Replacement	\$30,000
	Brushing	\$300,000			
	Subtotal	\$336,775		Subtotal	\$342,632
2023	Ground Test	\$7,500	2023		
	Patrol/Consent	\$10,000			
	Subtotal	\$17,500		Subtotal	\$0
2024	Herbicide	\$20,000	2024	Replace 182 Poles & Respan 30	\$824,256
	Subtotal	\$20,000		Subtotal	\$824,256
2025			2025	Grounding Upgrade	\$54,000
	Subtotal	\$0		Subtotal	\$54,000
2026	Patrol/Consent	\$120,000	2026		
	Subtotal	\$120,000		Subtotal	\$0
Total Estimated Cost		\$494,275	Total Estimated Cost		\$1,220,888

DEPOSIT RESERVE ANALYSIS		
With the current collections, the deposit reserve running balance will look like this.		
2022	Opening	\$1,405,098
	Projects	\$342,632
	Additions	\$101,663
	Outstanding Balance	
	Balance	\$1,164,129
2023	Opening	\$1,164,129
	Projects	\$0
	Additions	\$101,663
	Balance	\$1,265,792
2024	Opening	\$1,265,792
	Projects	\$824,256
	Additions	\$101,663
	Balance	\$543,199
2025	Opening	\$543,199
	Projects	\$54,000
	Additions	\$101,663
	Balance	\$590,862
2026	Opening	\$590,862
	Projects	\$0
	Additions	\$101,663
	Balance	\$692,525

Please contact your CSR to make any changes to your Deposit Reserve collections.