



Stay Safe Around Power Lines

FENN REA encourages members to use caution when working around powerlines. Look up and around and follow these safety tips.

Create a power line safety plan.

A plan helps you identify power line hazards and respond appropriately. A safety plan would include the current measurements of your vehicles and equipment and a grid overlay of where power infrastructure is located.

Check the height and width of your equipment.

When moving equipment it is important to know their height and width. When working around power lines, enlist the help of a spotter. Note the maximum height for equipment for farm yard entrances or field access roads is 4.15 meters (13.6 feet). For width, you need to stay 7 meters (23 feet) away from power lines when parked or operating.

Plan ahead before moving tall equipment near or around power lines.

Map your route and remember where any overhead power lines are located. If powerlines require lifting, you must contact ATCO at least 10 days in advance for a powerline lift. If the height of your load is more than 4.15 meters (13.6 feet) it is considered “over height” and you will need to get a permit from Alberta Transportation. Remember, ATCO can help you plan the safest and most efficient route - for farm customers call 1-855-277-1670.

Stay 7 meters (23 feet) away from power lines.

Pay special attention when operating grain augers, air seeders, when lifting truck boxes or operating back hoes.

Locate underground wires before you dig.

Before digging or driving posts into the ground, connect with **Alberta One-Call** (1-800-242-4337) to request an underground locate. Utilities can be closer to the surface of the ground than you think.

Watch out for tree branches.

Overgrown vegetation that is too close to overhead wires can make pruning dangerous. Don't take chances – never attempt to trim trees closer than 7 meters (23 feet) from power lines. Remember, only certified Utility Tree Trimmers are qualified to work around electricity infrastructure.

Assume downed power lines are energized.

Stay at least 10 meters (33 feet) away and warn others of the danger. Call <911> or ATCO Electric.



For power outages, emergency power troubles and service requests, contact the distribution system operator for FENN REA: **ATCO Electric**
Phone toll-free: 1-800-668-2248

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Electricity Delivery in Alberta

In Alberta, electricity delivery is a very integrated activity among several players and each player has a designated role/responsibility to perform, as outlined in the visual below. Costs for those delivery components are collected from the end-user, the consumer.

GENERATION

In 2018, Alberta generated 81 terawatt hours of electricity, making it the 3rd largest producer of electricity in Canada with a generating capacity of 16,332 megawatts. Some of Alberta's largest electricity generators include TransAlta, Heartland Generation, Suncor, ENMAX, and Capital Power. Generation facilities are owned by private investors or municipalities who built and operate them. About 91% of electricity in Alberta is produced from fossil fuels with the balance produced from renewables, such as wind, hydro, and biomass.

TRANSMISSION

In Alberta, transmission facilities are built, owned and operated by Transmission Facility Owners (TFOs). The cost of transmission (facilities and operations) is recovered through transmission rates charged to consumers who pay in proportion to their use of the system (e.g., electricity consumption). Alberta has approximately 26,000 km of transmission lines connected to 235 generating stations. The main transmission companies serving the province include AltaLink, ATCO, ENMAX, and EPCOR.

DISTRIBUTION

Electricity reaches the end-user through a distribution system and 2018 records indicate there are over 200,000 km of distribution lines in the province. FENN REA is a distribution system owner and is governed by a Board of Directors responsible to ensure the reliability and longevity of the system. Annually the Board of Directors establishes Distribution Tariffs (DT) to support that goal. The DT is established under cooperative business principles and covers the actual costs of operating and maintaining the system (currently performed by our contractor ATCO) in addition to the administration of the REA.

END-USER/CONSUMER

Consumer locations are metered and consumption is determined by meter reads. Albertans, including REA members, may choose to receive electricity from an approved retail energy provider or remain on the default Regulated Rate Option. As an end-user, your monthly bill includes the cost of generation via your electricity rate & consumption, the cost of transmission (a flow through to the TFOs) and the monthly Distribution Tariff (DT) that is applied to the cost to operate FENN REA. Alberta's largest consuming sector for electricity is industrial, with commercial and residential sectors coming in at 2nd and 3rd.

Regulated Rate Option (RRO)

The RRO rate may increase or decrease from month to month as it is priced on the open market and subject to many factors relating to supply and demand. If you do not have a contract with an electricity retailer, then you receive the default RRO rate.

For February 2022, the RRO is priced at \$0.14594 per kWh, which is reflected on your enclosed bill. For March 2022, the Battle River Power Coop monthly RRO billing rate for FENN REA members is \$0.09412. The RRO rate is also listed on www.fennrea.com.

Members are free to purchase electricity services from a retailer of their choice. For a list of retailers, visit ucahelps.alberta.ca or call 310-4822 (toll free in Alberta).

Information on FENN REA's Code of Conduct Compliance Plan can be found on our website: www.fennrea.com