

Need for Transmission Enhancements in the Banff Area

FortisAlberta Inc. has applied to the AESO for transmission system access to improve the reliability of the electricity services in the Banff area. FortisAlberta's request can be met by the following solution:

PROPOSED SOLUTION

- Add one 138 kilovolt (kV) transmission line between the existing 85L and 54AL tap points on the existing 138 kV transmission line 54L.
- Add one 138 kV transmission line between the existing West Cascade 177S and Cascade 29S substations.
- Upgrade the West Cascade 177S substation to an in-and-out connection configuration including adding one 138/25 kV transformer and three 138 kV circuit breakers.
- Modify the Cascade 29S substation including adding two 138 kV circuit breakers.
- Add or modify associated equipment as required for the above transmission developments.

NEXT STEPS

- In late 2026, the AESO will apply to the Alberta Utilities Commission (AUC) for approval of the need.
- The AESO will notify stakeholders via the AESO's website at www.aeso.ca/grid/transmission-projects when filing a needs identification document (NID) application with the AUC.

The following organizations have key roles and responsibilities in providing access to the transmission system:

THE AESO

- Must plan the transmission system and enable access to it for generators and other qualified customers.
- Will prepare and submit a NID to the AUC for approval.

ALTALINK

- Is the transmission facility owner in the Banff Area.
- Is responsible for detailed siting and routing, constructing, operating, and maintaining the transmission facilities.
- Is coordinating this development with the 54L Transmission Line Rebuild project.
- Is regulated by the AUC and must apply to the AUC for approval of its transmission facilities applications.

WHO IS THE AESO?

The Alberta Electric System Operator (AESO) plans and operates Alberta's electricity grid and wholesale electricity market safely, reliably and in the public interest of all Albertans. We are a not-for-profit organization with no financial interest or investment of any kind in the power industry.

We appreciate your views, both on the need for transmission system development and proposed transmission plans. If you have any questions or comments, please contact us directly.

CONTACT US

Alberta Electric System Operator

AESO Stakeholder Relations
stakeholder.relations@aeso.ca
1-888-866-2959

3000, 240-4th Avenue SW
 Calgary, AB T2P 4H4
 Phone: 403-539-2450

www.aeso.ca | [@theaeso](https://x.com/theaeso)