



Single Line Diagrams (SLDs)

AESO 2020 Long-term Transmission Plan

Contents

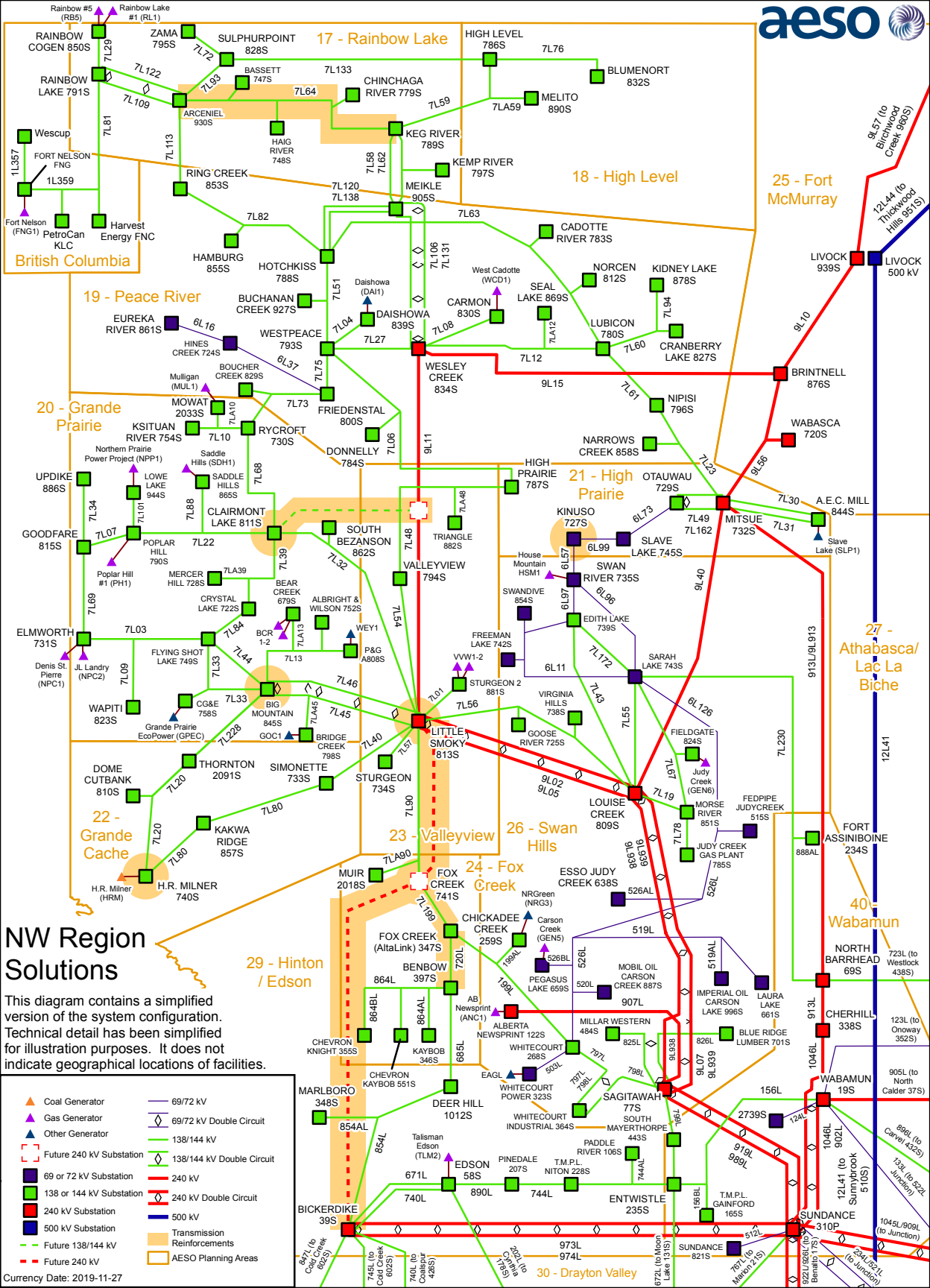
NEAR TERM REGIONAL TRANSMISSION PLANS	3
Northwest Planning Region	4
Northeast Planning Region	5
Edmonton Planning Region	6
Central Planning Region	7
South Planning Region	8
Calgary Planning Region	9
LONGER TERM ALBERTA-WIDE TRANSMISSION PLANS BY SCENARIO	10
Reference Case	11
High Cogeneration Sensitivity	12
Alternate Renewables Policy	13
High Load Growth	14

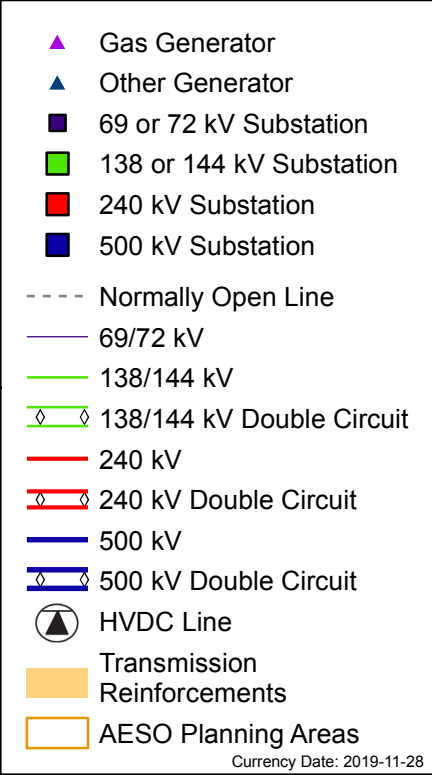
AESO 2020 Long-term Transmission Plan

Single Line Diagrams (SLDs)

NEAR TERM REGIONAL TRANSMISSION PLANS

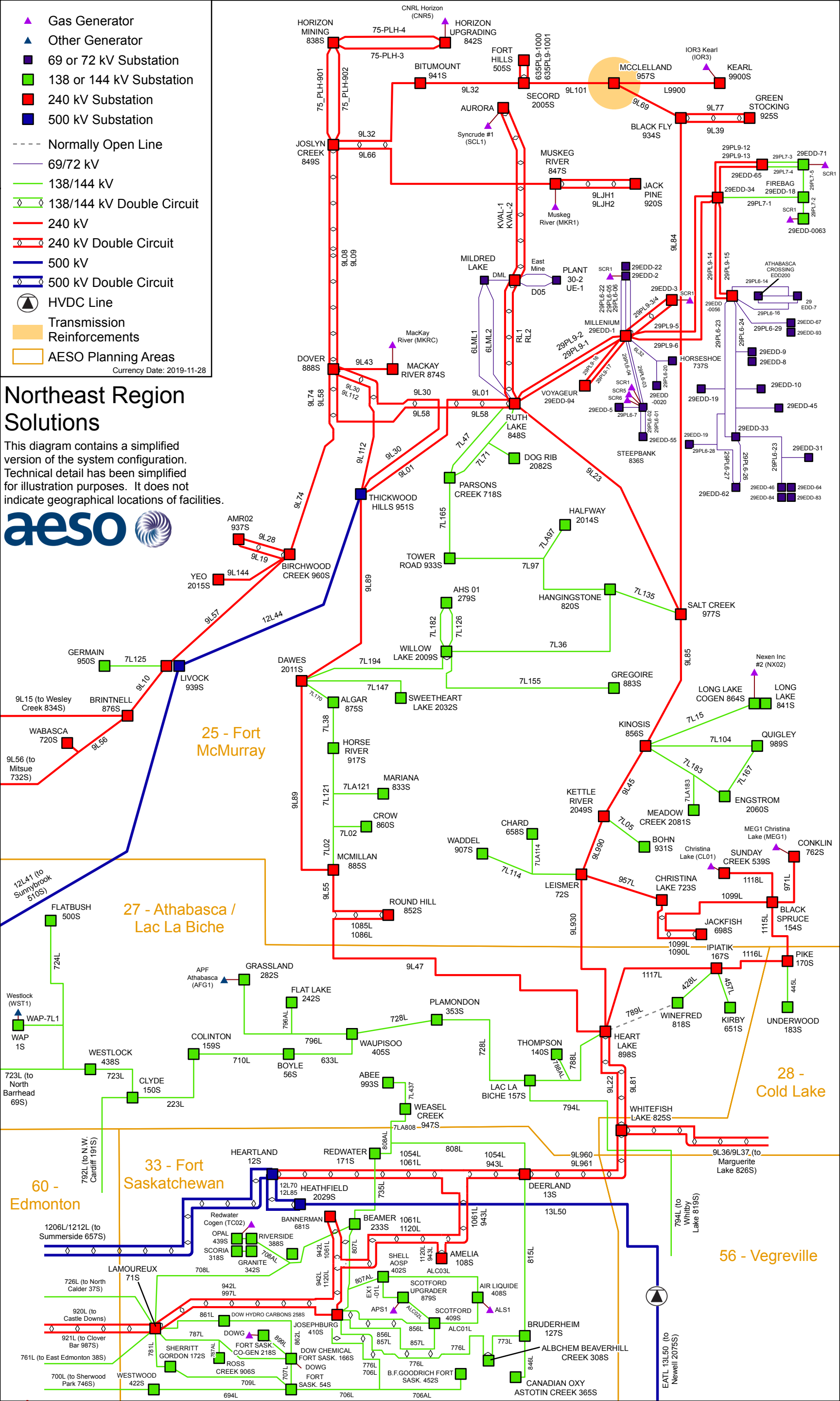
- *Northwest Planning Region*
- *Northeast Planning Region*
- *Edmonton Planning Region*
- *Central Planning Region*
- *South Planning Region*
- *Calgary Planning Region*





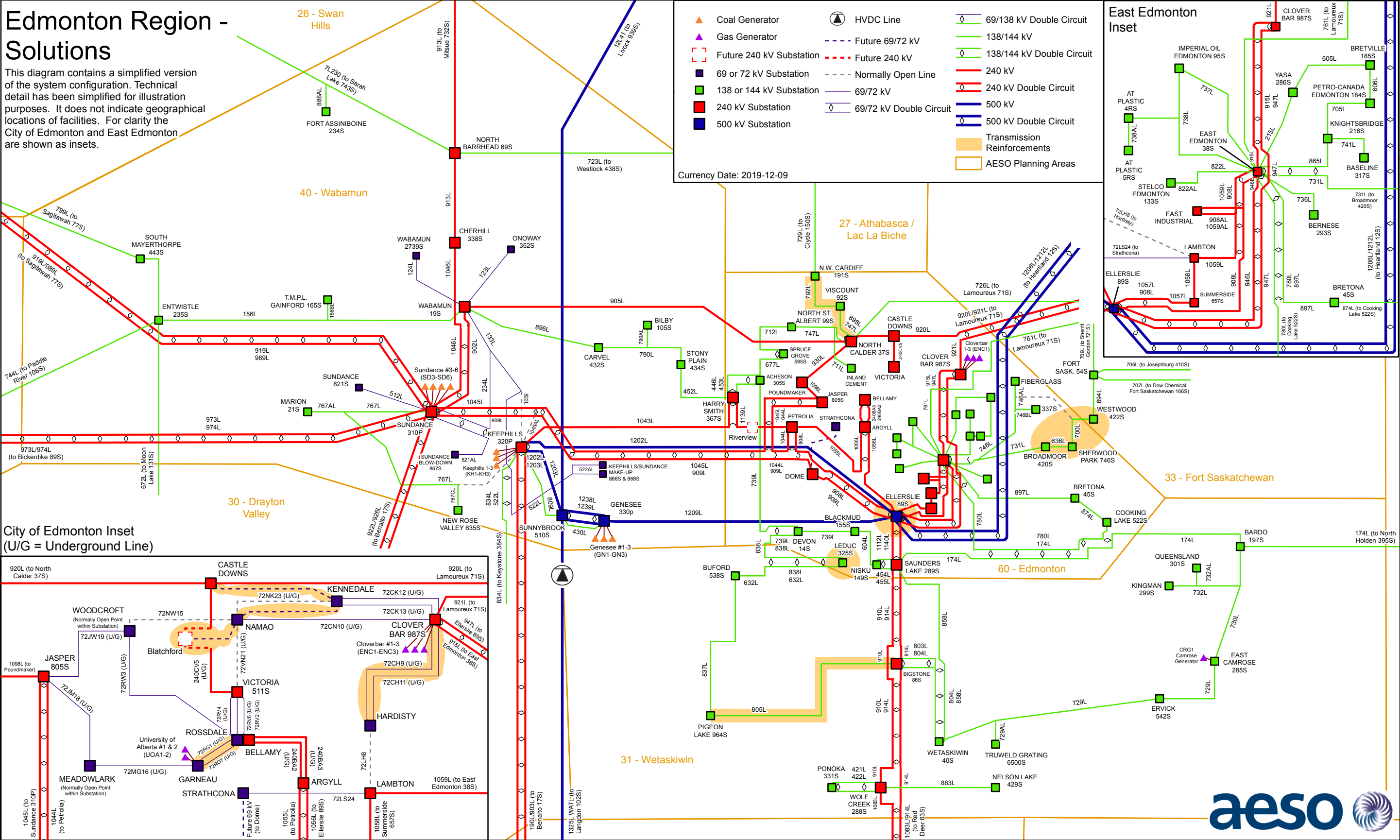
Northeast Region Solutions

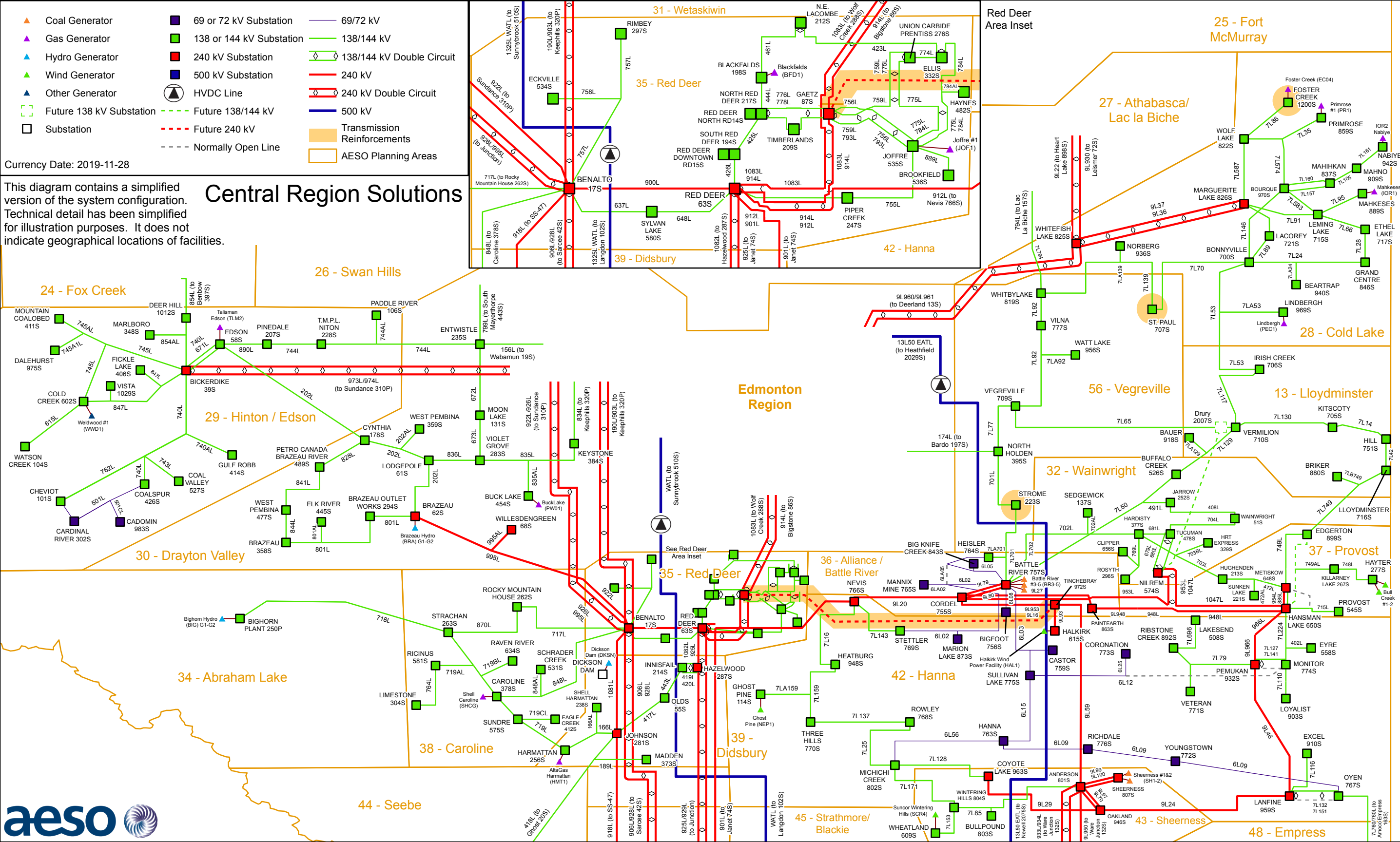
This diagram contains a simplified version of the system configuration. Technical detail has been simplified for illustration purposes. It does not indicate geographical locations of facilities.

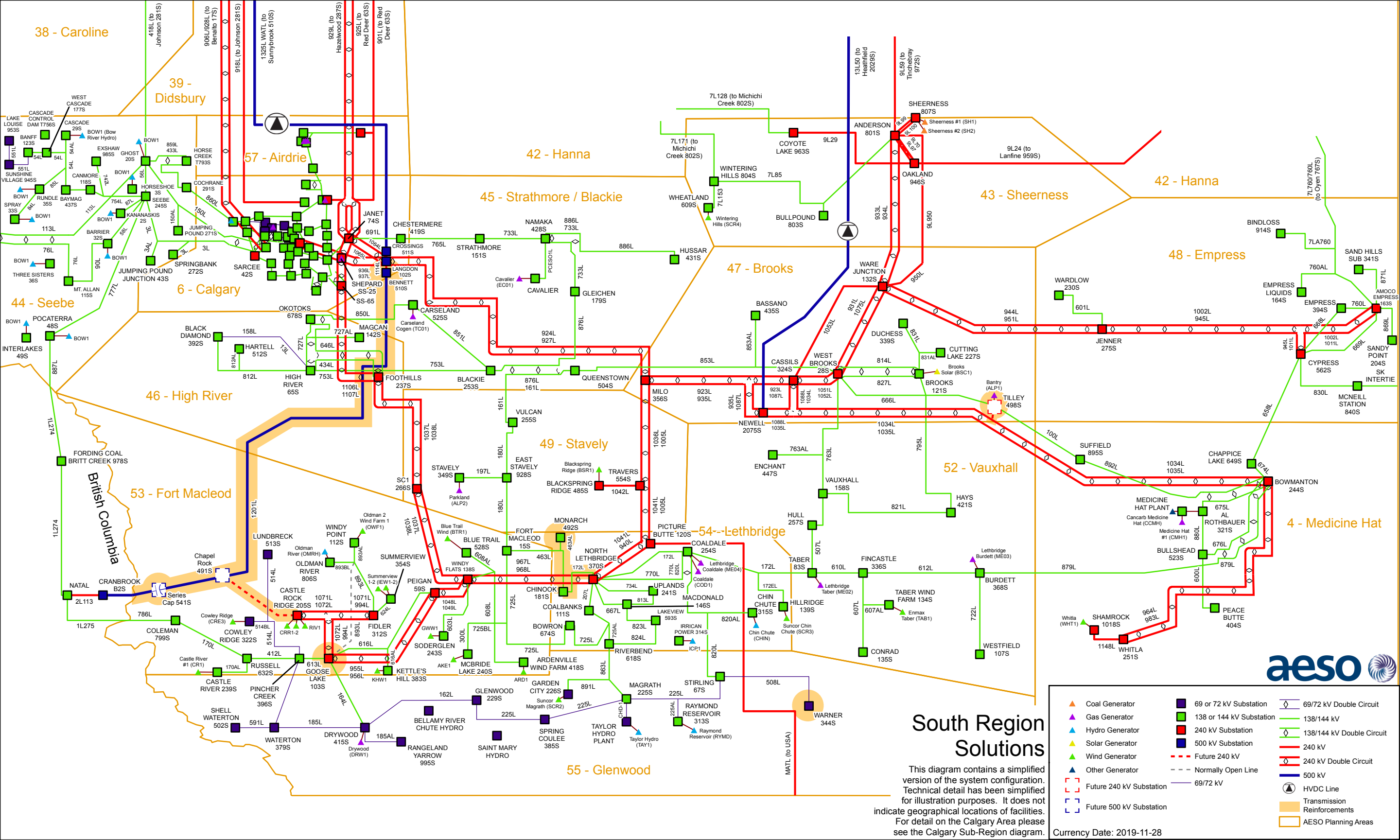


Edmonton Region - Solutions

This diagram contains a simplified version of the system configuration. Technical detail has been simplified for illustration purposes. It does not indicate geographical locations of facilities. For clarity the City of Edmonton and East Edmonton are shown as insets.



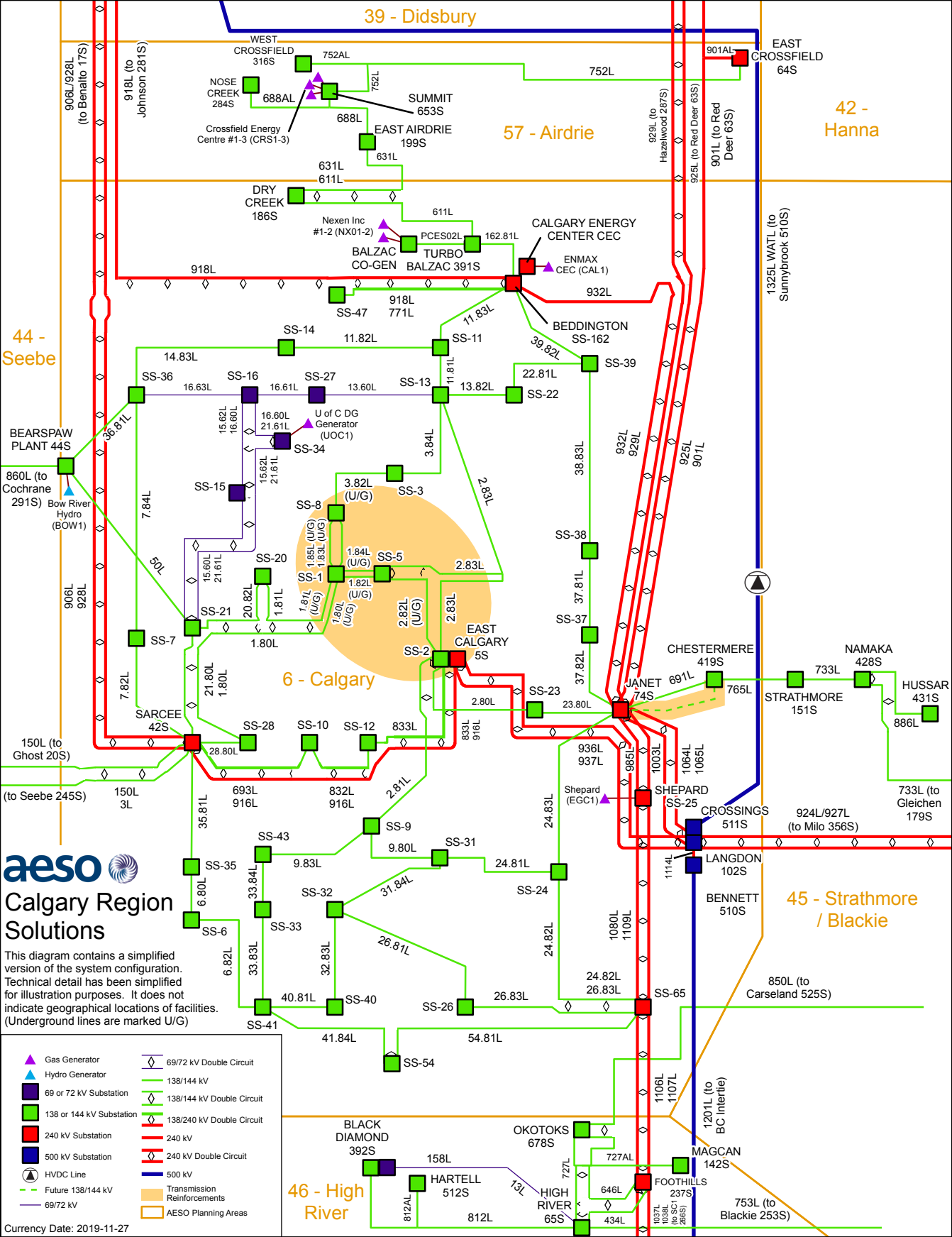




South Region Solutions

This diagram contains a simplified version of the system configuration. Technical detail has been simplified for illustration purposes. It does not indicate geographical locations of facilities. For detail on the Calgary Area please see the Calgary Sub-Region diagram.

- | | | |
|----------------------------|----------------------------|-------------------------------|
| ▲ Coal Generator | ■ 69 or 72 kV Substation | ◇ 69/72 kV Double Circuit |
| ▲ Gas Generator | ■ 138 or 144 kV Substation | ◇ 138/144 kV |
| ▲ Hydro Generator | ■ 240 kV Substation | ◇ 138/144 kV Double Circuit |
| ▲ Solar Generator | ■ 500 kV Substation | ◇ 240 kV |
| ▲ Wind Generator | --- Future 240 kV | ◇ 240 kV Double Circuit |
| ▲ Other Generator | --- Normally Open Line | ◇ 500 kV |
| ■ Future 240 kV Substation | --- 69/72 kV | ⚡ HVDC Line |
| ■ Future 500 kV Substation | | ■ Transmission Reinforcements |
| | | ■ AESO Planning Areas |
- Currency Date: 2019-11-28



AESO 2020 Long-term Transmission Plan

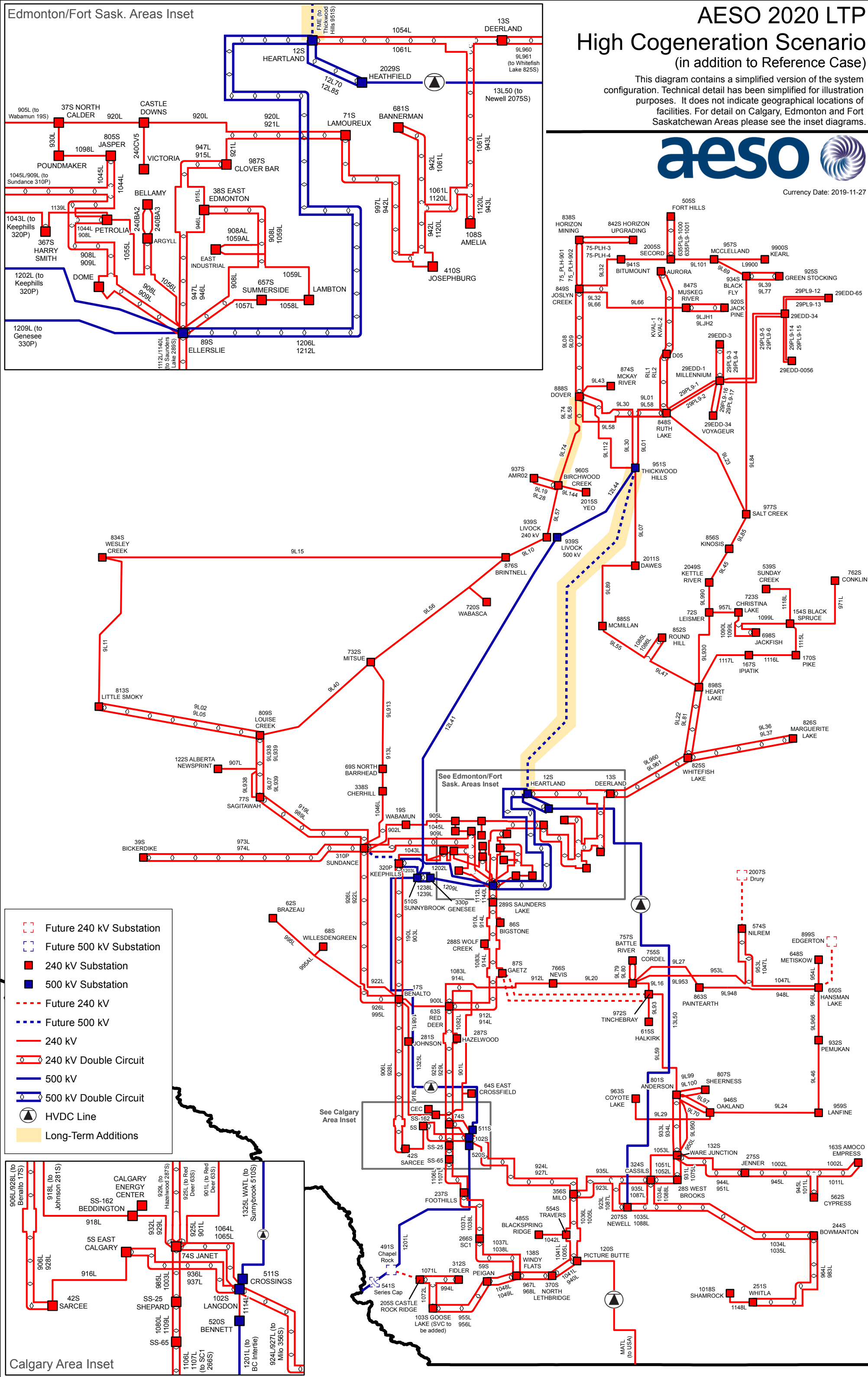
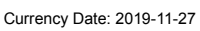
Single Line Diagrams (SLDs)

LONGER TERM ALBERTA-WIDE TRANSMISSION PLANS BY SCENARIO

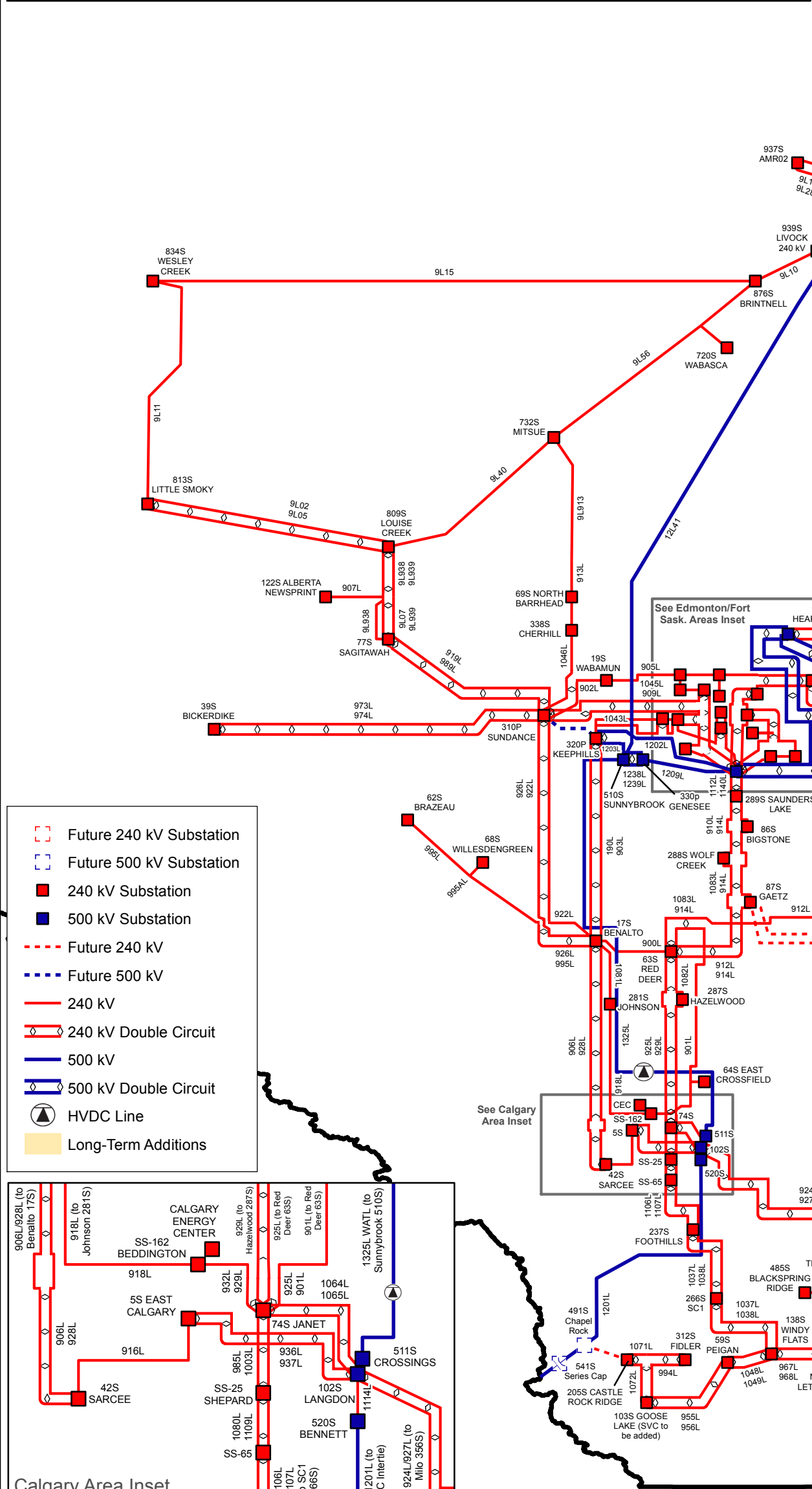
- *Reference Case*
- *High Cogeneration Sensitivity*
- *Alternate Renewables Policy*
- *High Load Growth*

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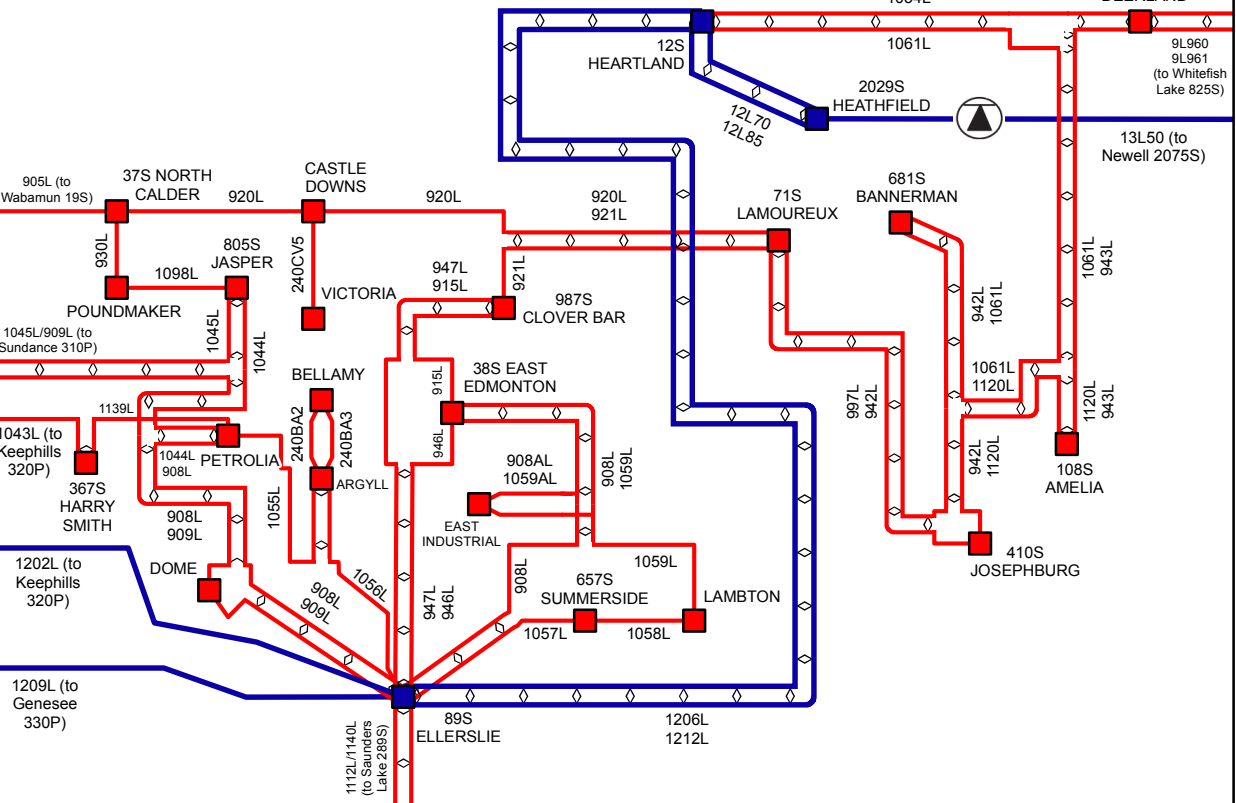
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Edmonton/Fort Sask. Areas Inset



AESO 2020 LTP

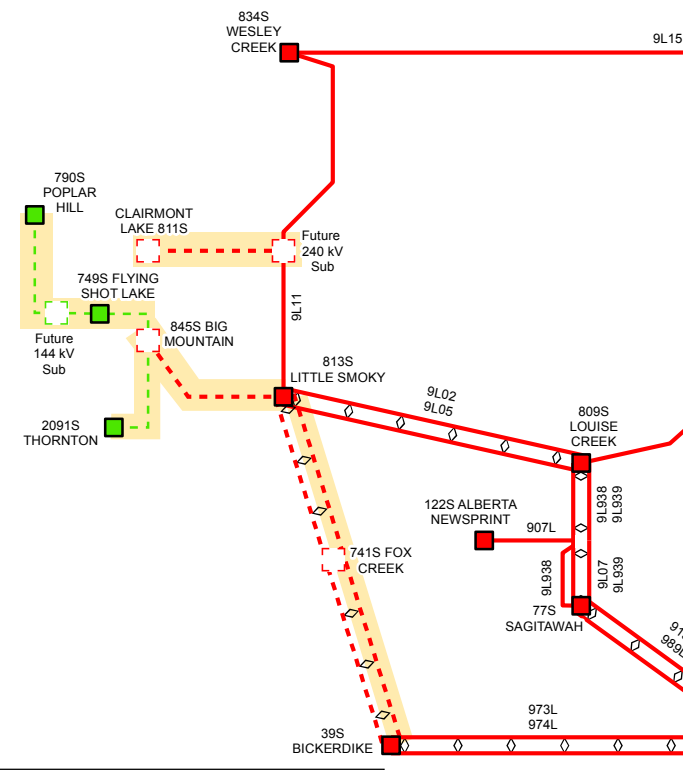
High Growth Scenario

(in addition to Reference Case)

This diagram contains a simplified version of the system configuration. Technical detail has been simplified for illustration purposes. It does not indicate geographical locations of facilities. For detail on Calgary, Edmonton and Fort Saskatchewan Areas please see the inset diagrams.



Currency Date: 2019-11-27



Future 144 kV Substation

Future 240 kV Substation

Future 500 kV Substation

138 or 144 kV Substation

240 kV Substation

500 kV Substation

Future 138/144 kV

Future 240 kV

Future 240 kV Double Circuit

Future 500 kV

240 kV

240 kV Double Circuit

500 kV

500 kV Double Circuit

HVDC Line

Long-Term Additions

