



Single Line Diagrams (SLDs)

AESO 2017 Long-term Transmission Plan

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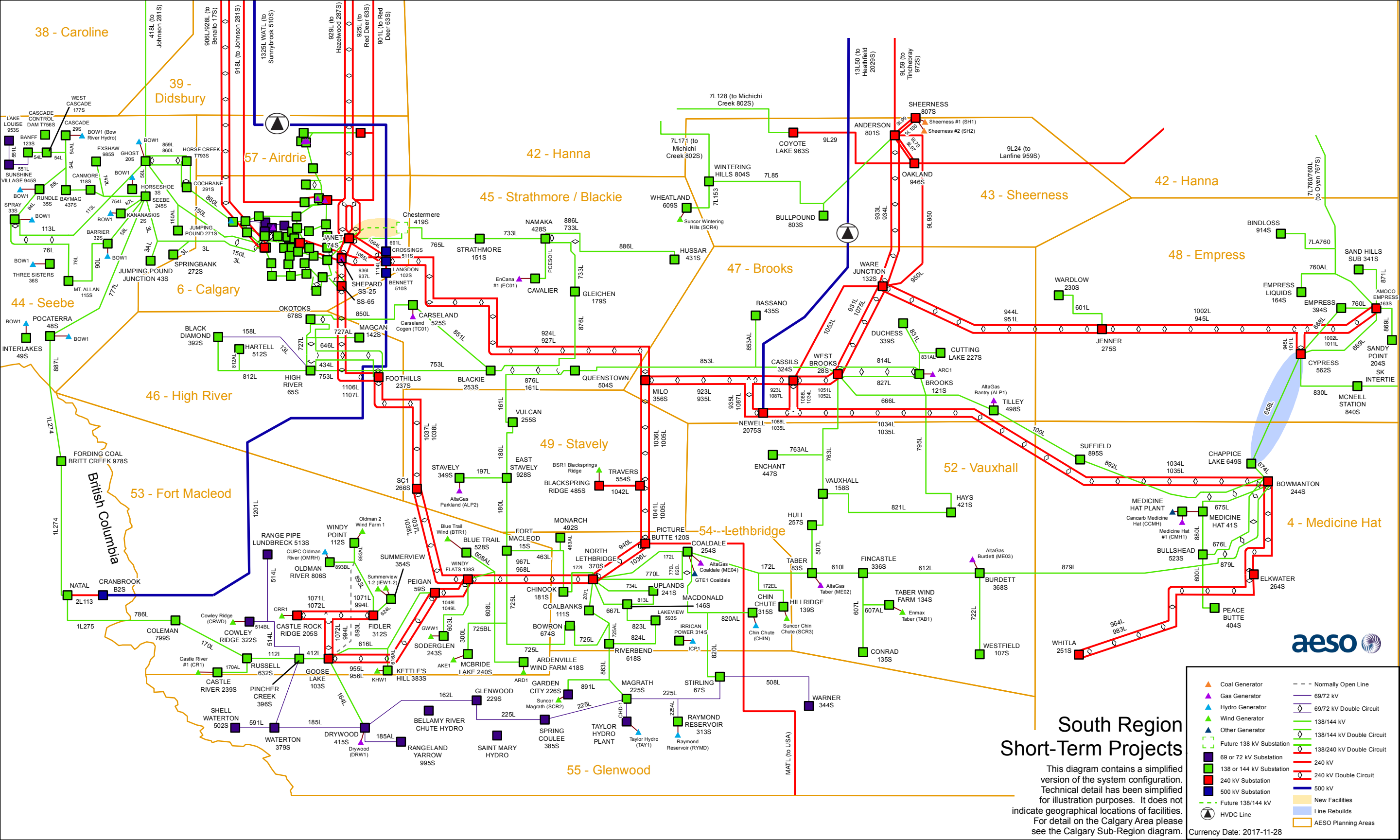
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AESO 2017 Long-term Transmission Plan

Single Line Diagrams (SLDs)

NEAR TERM REGIONAL TRANSMISSION PLANS

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

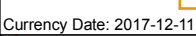


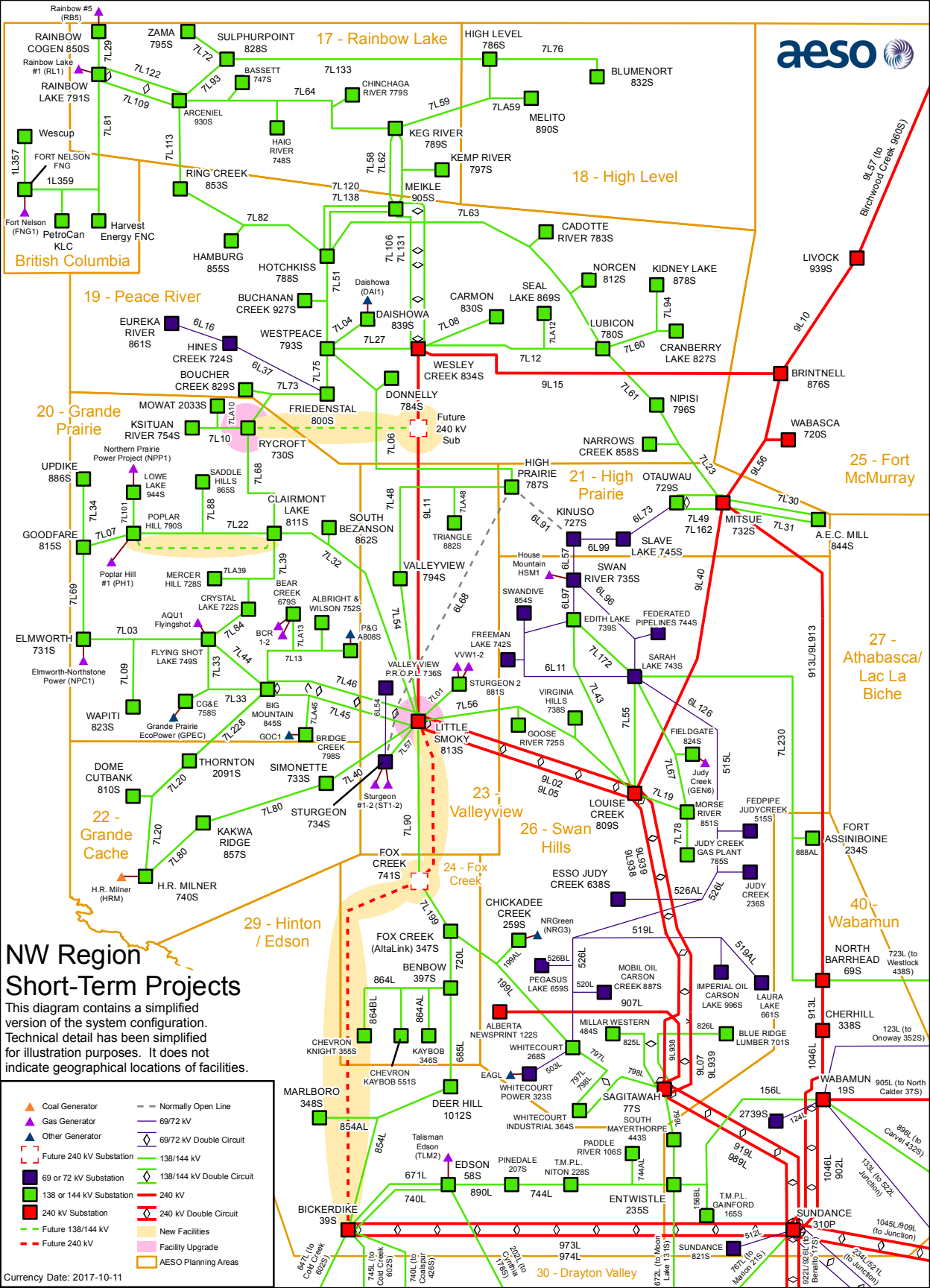
South Region Short-Term Projects

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 | --- Normally Open Line |
| ▲ Gas Generator | 69/72 kV |
| ▲ Hydro Generator | 69/72 kV Double Circuit |
| ▲ Wind Generator | 138/144 kV |
| ▲ Other Generator | 138/144 kV Double Circuit |
| Future 138/144 kV Substation | 138/240 kV Double Circuit |
| 69 or 72 kV Substation | 240 kV |
| 138 or 144 kV Substation | 240 kV Double Circuit |
| 240 kV Substation | 500 kV |
| 500 kV Substation | New Facilities |
| Future 138/144 kV | Line Rebuilds |
| ▲ HVDC Line | AESO Planning Areas |

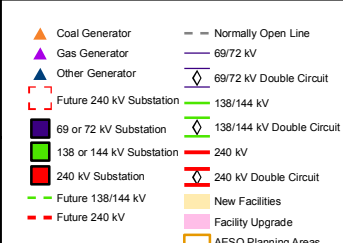
Currency Date: 2017-11-28





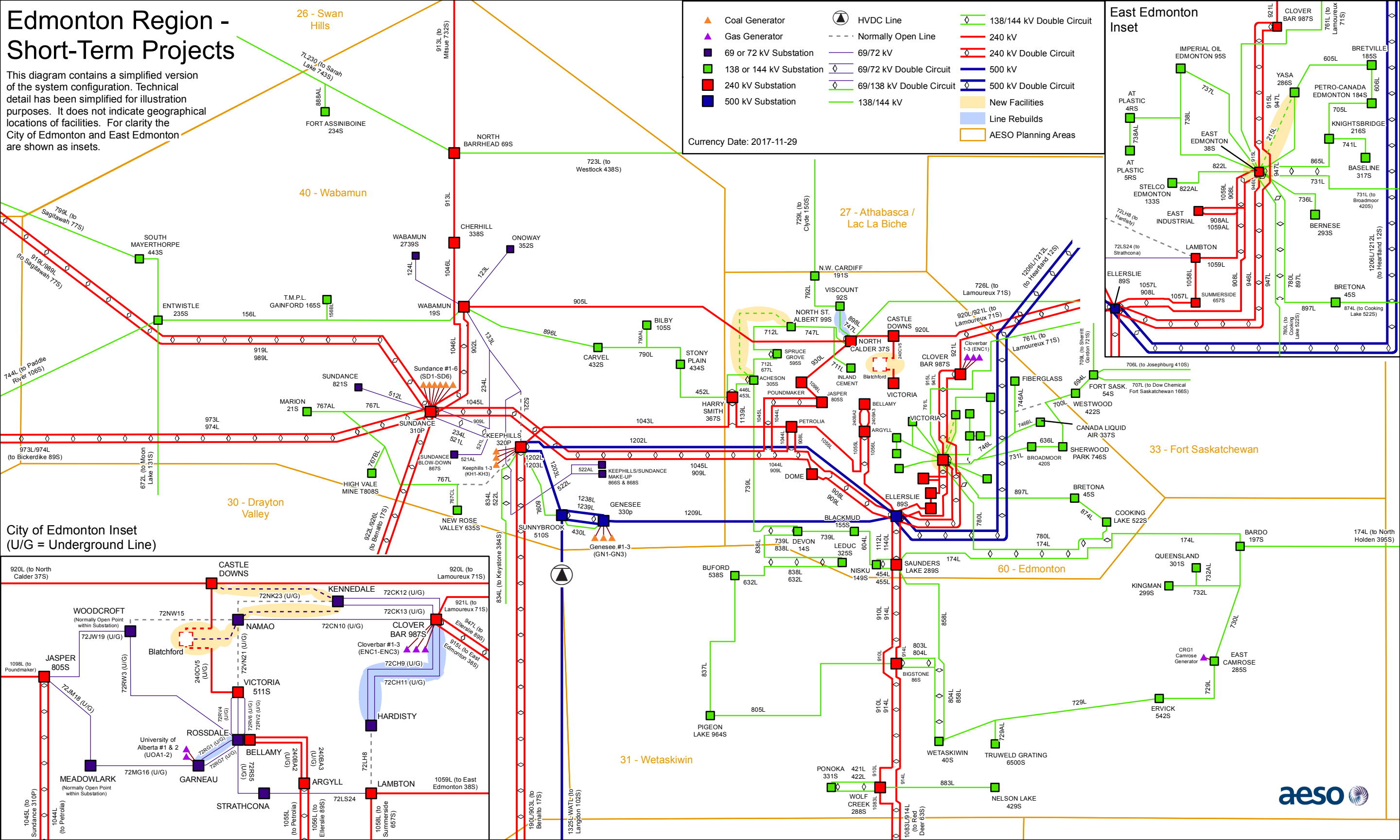
NW Region Short-Term Projects

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.



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AESO 2017 Long-term Transmission Plan

Single Line Diagrams (SLDs)

LONGER TERM ALBERTA-WIDE TRANSMISSION PLANS BY SCENARIO

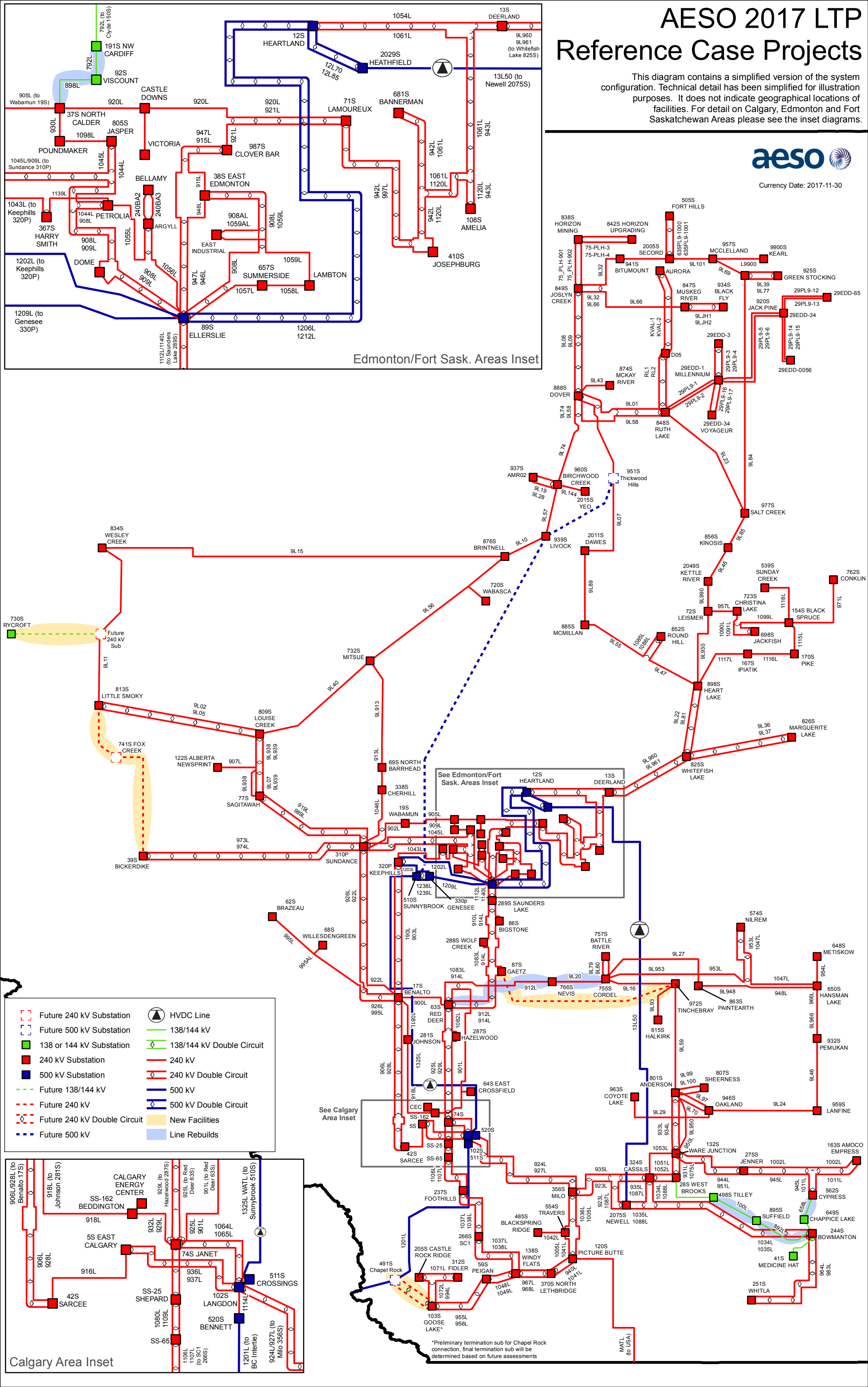
- *Reference Case Scenario*
- *No Coal to Gas Conversion Scenario*
- *New Large Hydro-generation Scenario*
- *Western Integration Scenario*
- *High Cogeneration Scenario*

AESO 2017 LTP Reference Case Projects

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: 2017-11-30



Edmonton/Fort Sask. Areas Inset

See Edmonton/Fort Sask. Areas Inset

See Calgary Area Inset

Calgary Area Inset

*Preliminary termination sub for Chapel Rock connection, final termination sub will be determined based on future assessments

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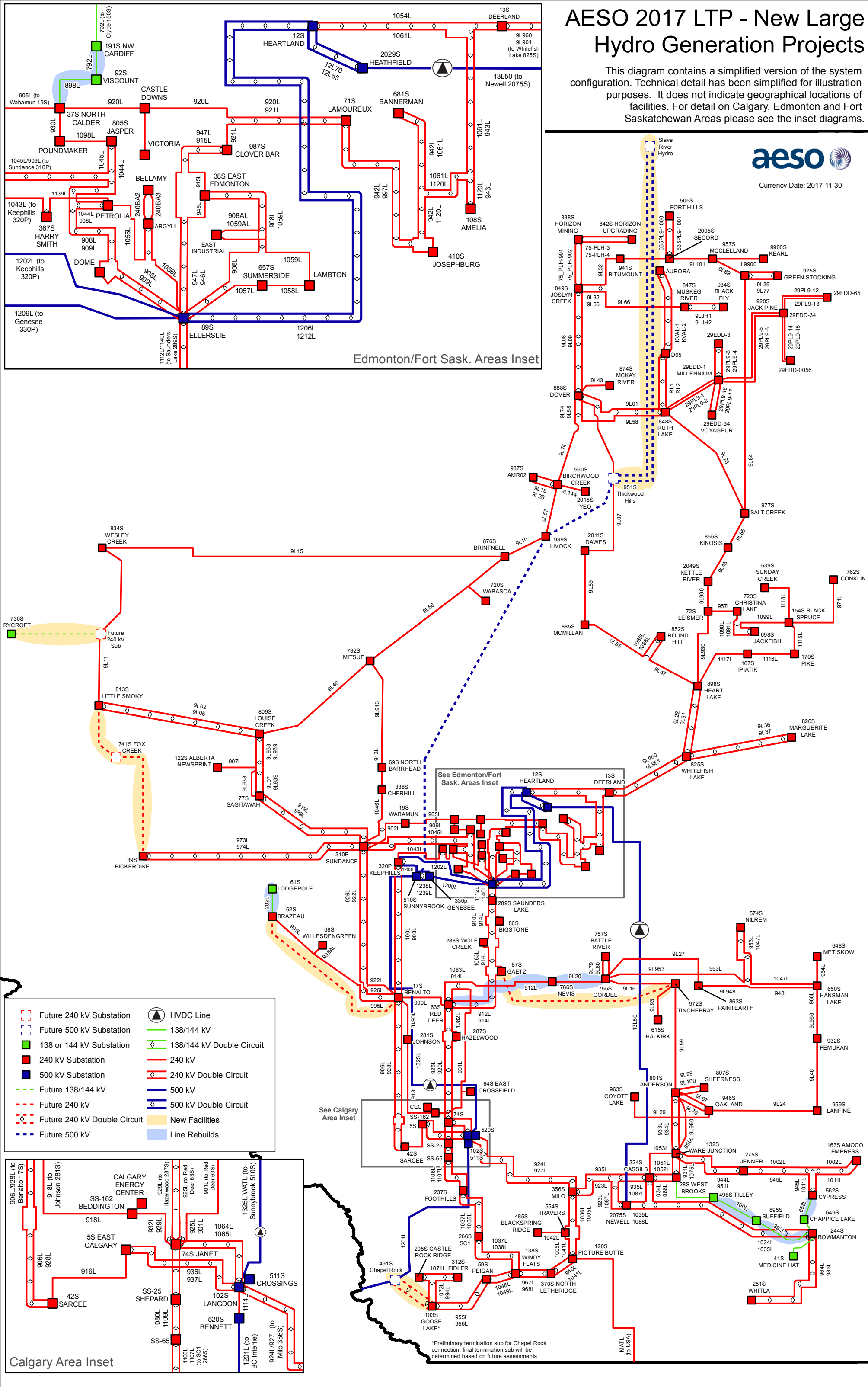


AESO 2017 LTP - New Large Hydro Generation Projects

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Currency Date: 2017-11-30



Edmonton/Fort Sask. Areas Inset

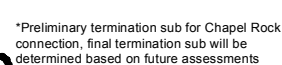
See Edmonton/Fort Sask. Areas Inset

See Calgary Area Inset

Calgary Area Inset

*Preliminary termination sub for Chapel Rock connection, final termination sub will be determined based on future assessments

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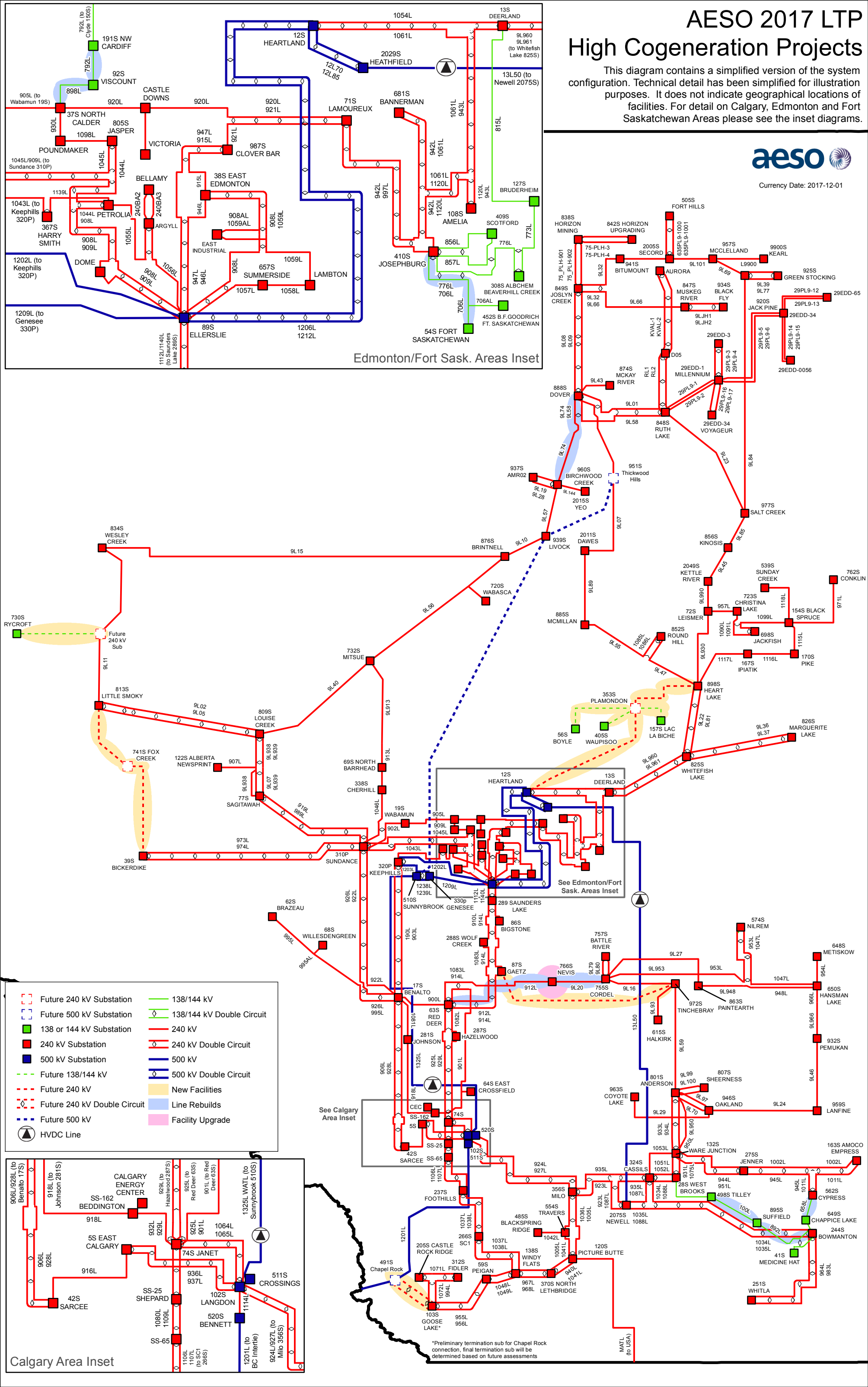


AESO 2017 LTP High Cogeneration Projects

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: 2017-12-01



Edmonton/Fort Sask. Areas Inset

See Edmonton/Fort Sask. Areas Inset

See Calgary Area Inset

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

HVDC Line

138/144 kV

138/144 kV Double Circuit

240 kV

240 kV Double Circuit

500 kV

500 kV Double Circuit

New Facilities

Line Rebuilds

Facility Upgrade

Calgary Area Inset

*Preliminary termination sub for Chapel Rock connection, final termination sub will be determined based on future assessments