# WELCOME

# ALTALINK

## INFORMATION SESSION

## STAYING SAFE DURING WILDFIRE SEASON

With wildfires becoming more frequent and intense, protecting your community while providing safe and reliable power is our highest priority.

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# Who is AltaLink?

## Our transmission lines transport the power you use every day.

AltaLink's transmission system efficiently delivers electricity to 85 per cent of Albertans. Dedicated to meeting the growing need for electricity, AltaLink connects Albertans to renewable, reliable and low-cost power.

With a commitment to community and environment, AltaLink is ensuring the transmission system will support Albertans' quality of life for years to come.

**Learn more at www.altalink.ca**

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# Who is FortisAlberta?

## Our system reduces the voltage and carries the electricity to power your home, farm or business.

As owner and operator of more than 60 per cent of Alberta's total electricity distribution network, FortisAlberta's focus is delivering safe and reliable electricity to more than half a million residential, farm and business customers.

The Company serves more than 240 communities with 124,000 kilometres of distribution power lines across Alberta.

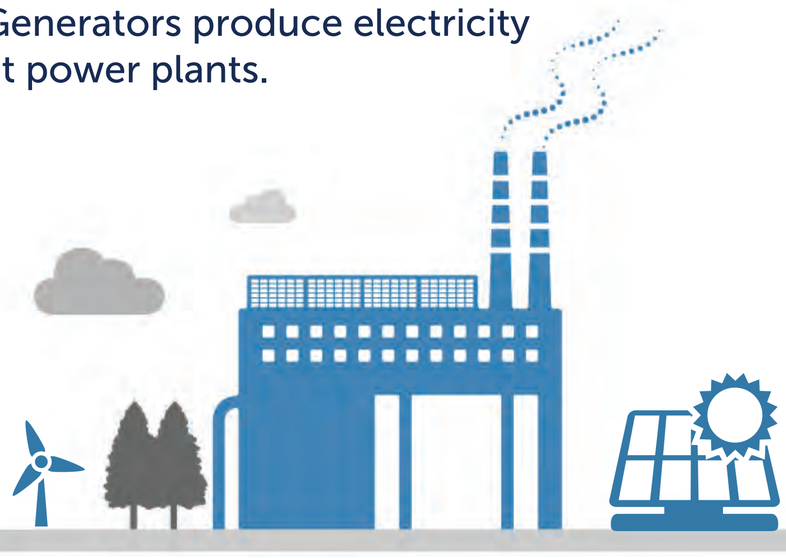
**Learn more at www.fortisalberta.com**

FORTIS ALBERTA

# The flow of power

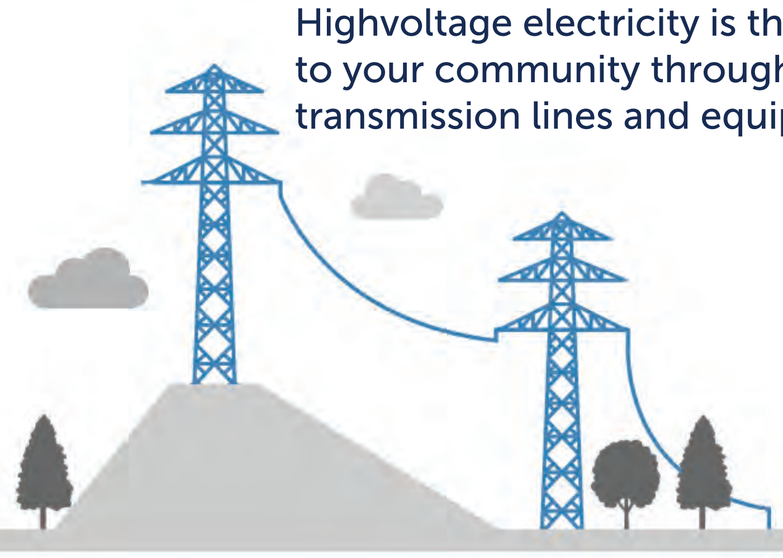
## GENERATION

Generators produce electricity at power plants.



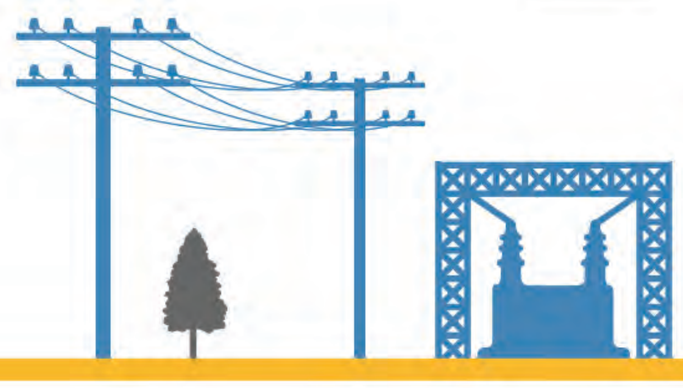
## TRANSMISSION

Highvoltage electricity is then carried to your community through transmission lines and equipment.



## SUBSTATION

The substation converts the high voltage from transmission to distribution.



TRANSMISSION

## DISTRIBUTION LINES AND POLES

The distribution system brings the electricity to where you need it.

DISTRIBUTION

## YOUR SERVICE AND METER

Provides the electricity at your property so it can be used to power what matters to you.

DISTRIBUTION

## RETAILER

Sells the electricity you consume and produces your bill.

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# AltaLink's approach

**Build on past work, strengthen our system:**

- Maintaining the safety of our system
- Seeking out new best practices to be even more vigilant

**Work hand-in-hand with your community:**

- Local emergency services and community leaders
- Expand and enhance existing emergency response plans

## WILDFIRE SAFETY

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# Steps we're taking to mitigate wildfire risk

## New safety measures and system enhancements:

- Enhanced vegetation clearing practices
- Additional inspections
- Investments to improve resiliency

## Enhancing our situational awareness:

- Field crews monitoring wildfire risk
- Identifying and prioritizing higher risk areas
- Monitoring weather and fire risk conditions
- Installing local weather stations
- Continuous monitoring of fire threats to utility infrastructure

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# Enhanced vegetation clearing practices

**To minimize wildfire risk we need to remove the potential for trees to contact power lines.**

**Our enhanced vegetation management practices are focused on maintaining safe clearance distances around our power lines by:**

- performing vegetation inspections
- tree trimming to manage overhang
- removing trees within the right-of-way

# Additional inspections

**We are proactively increasing our inspections in high fire risk areas to identify potential threats that need mitigating.**

**This includes:**

- increasing inspection frequencies to twice a year (or more) on lines in high fire risk areas, with more detailed inspections every 3 years
- mitigating concerns within 6 months
- performing required asset updates within 12 -24 months

# Investing to improve resiliency

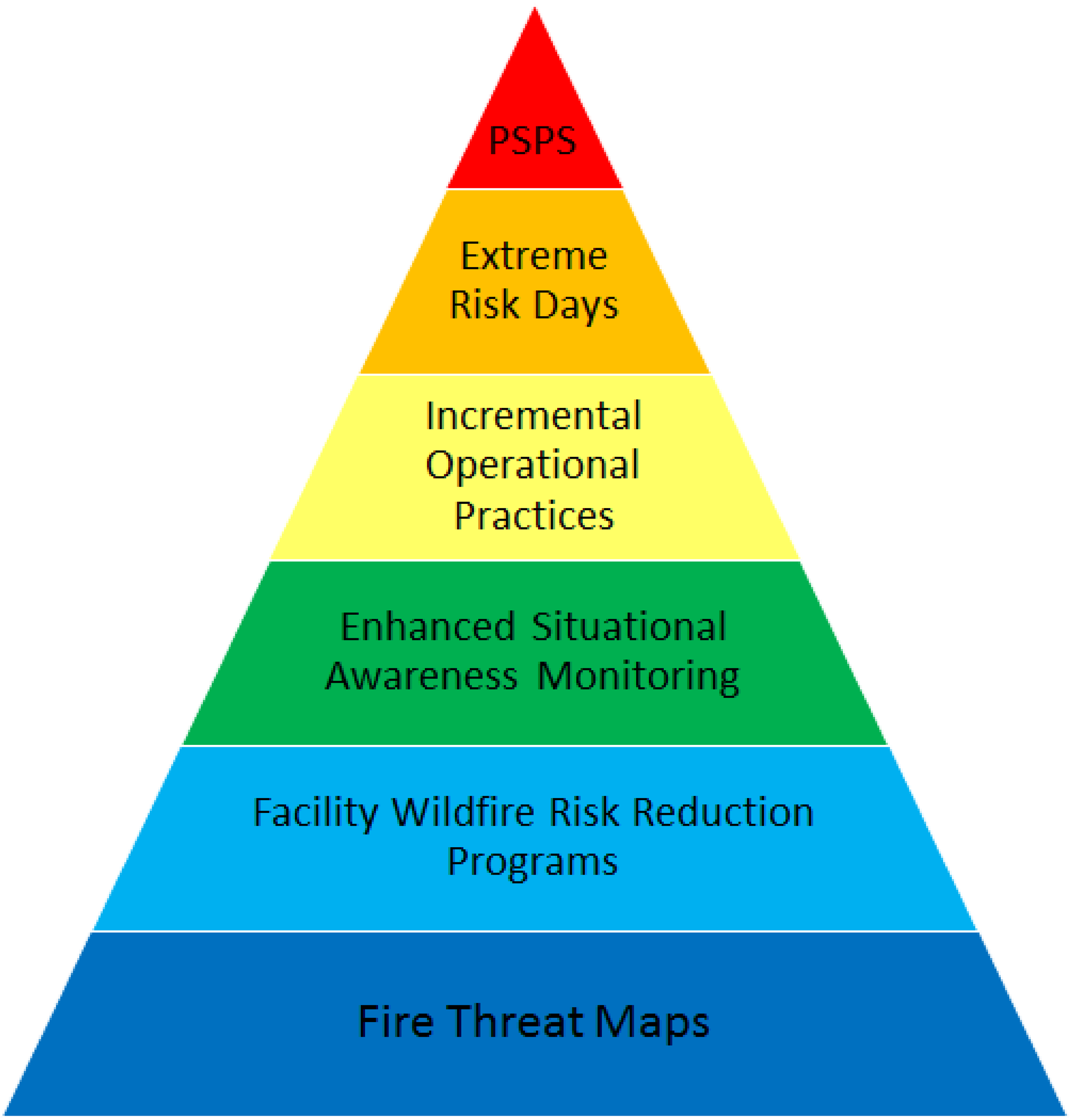
**To make the grid more resistant to fire, we are focused on ensuring that assets in high fire risk areas are up to current design standards.**

**Some of the ways we're doing this include:**

- repairing or replacing structure components that have been identified as damaged or worn
- replacing or cleaning insulators where cracking or contamination is identified
- installing bird deterrents to minimize possible contamination on structures where nesting is identified

# Wildfire mitigation plan

**Our wildfire mitigation plan involves a series of actions we can take depending on the situation.**




ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# A new fire prevention measure

## We’re adding a new tool to help keep people and communities in high fire risk areas safe – Public Safety Power Shut-off.

### What is a Public Safety Power Shut-off?

- We proactively shut off power during extreme and dangerous weather conditions that can result in catastrophic wildfires
- Used as a last-resort preventative measure
- Each situation is unique - no single factor drives a Public Safety Power Shut-off
- Anticipated to be infrequent and only used under rare conditions

PUBLIC SAFETY
POWER SHUTOFF

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# Public Safety Power Shut-off

## How does a Public Safety Power Shutoff work?

- Specific area and number of customers depends on forecasted weather and which circuits need to be turned off for public safety
- Coordinate with local leaders and emergency services
- Crews will visually inspect lines, clear debris and make repairs if needed before restoring power
- Will last as long as extreme conditions exist


ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# Factors: Public Safety Power Shut-off

## We monitor a range of factors before triggering a Public Safety Power Shut-off:

Windy conditions

Low humidity

Dry vegetation

Real time observation

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# Criteria for Public Safety Power Shut-off

**Fire Weather Index**

- Does FWI exceed "x"?

**Wind Speeds**

- Are wind gusts forecasted to exceed "y"?

**Initiate PSPS Protocol**

- on-site observations and confirmation with fire experts
- Any other real-time factors
- Decision making to execute PSPS

**Execute PSPS**

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# What is FWI?

The Canadian Forest Fire Weather Index (FWI) System consists of six components that account for the effects of fuel moisture and wind on fire behavior.

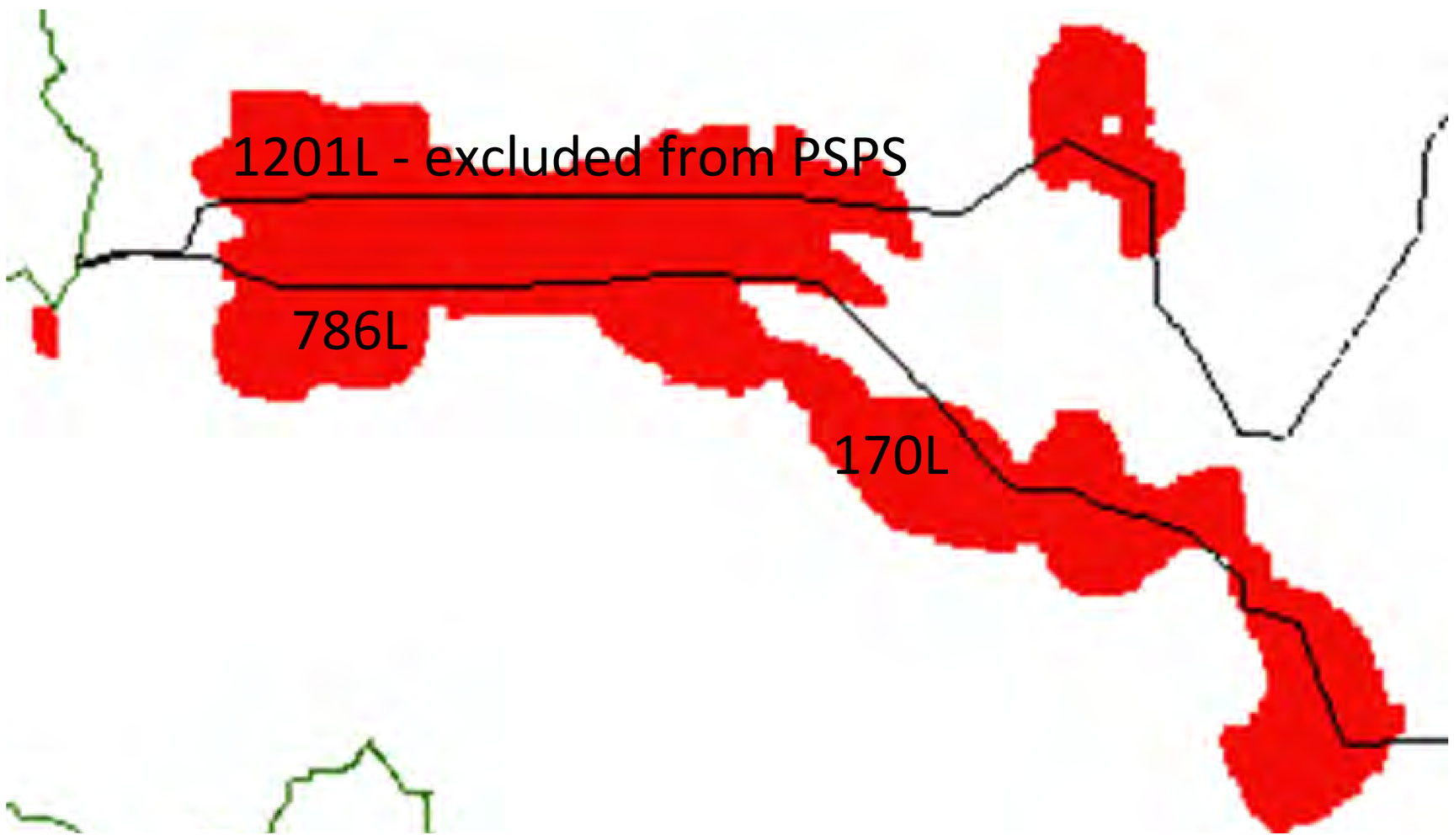
- **First three: Fuel moisture codes**
  - Numeric ratings based on the moisture content of litter, fine fuels and organic layers

- **Remaining three: Fire behavior indices**
  - Values that represent the rate of fire spread, the fuel available for combustion and fire intensity

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# Areas: Public Safety Power Shut-off

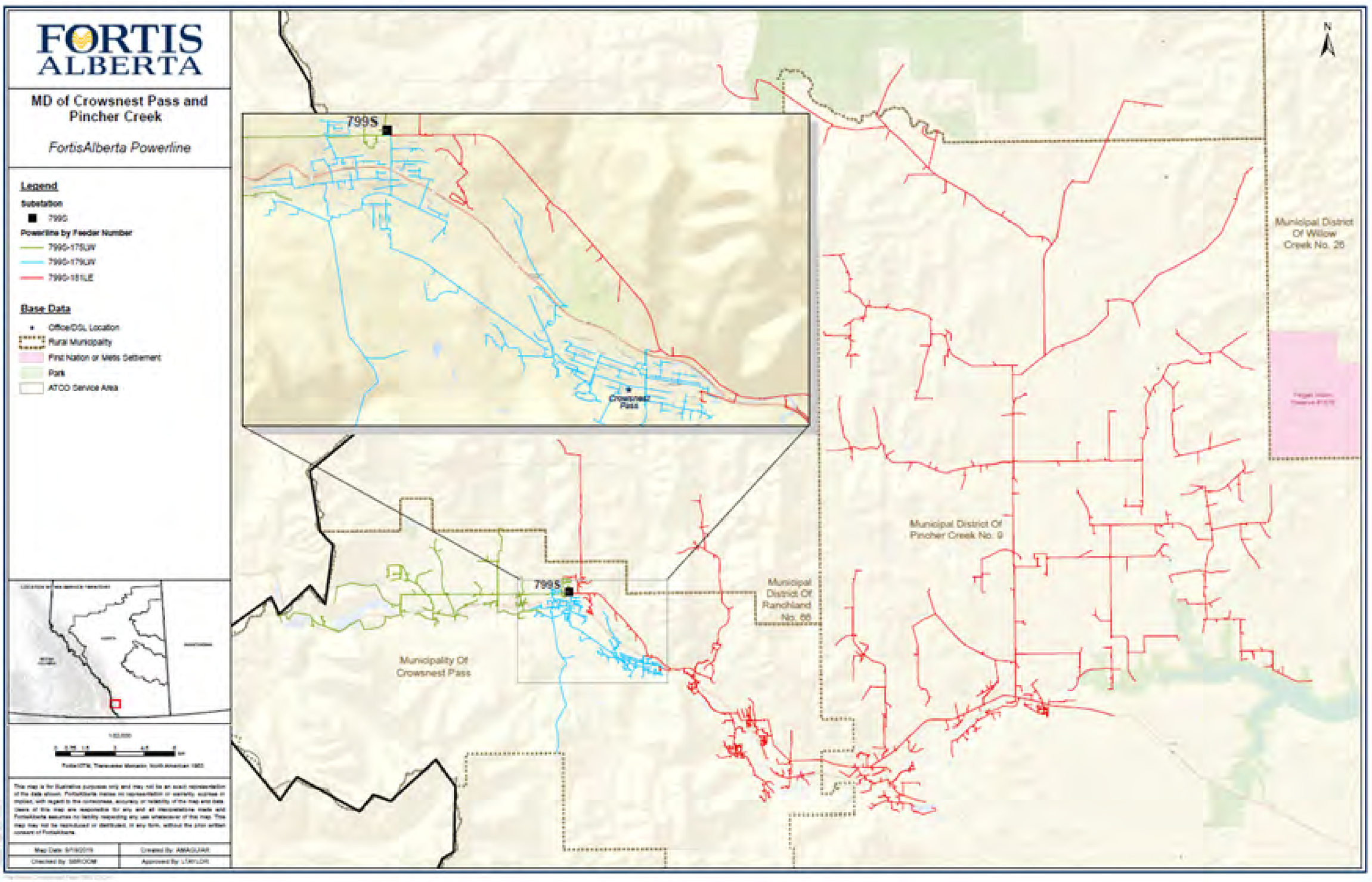
**We have identified the Crowsnest Pass area to be one of the high risk fire areas within our service territory.**

# Impacted customers: Public Safety Power Shut-off

**During a possible Public Safety Power Shut-off, the following communities could be impacted:**

- Coleman
- Crowsnest pass
- Hazell
- Blairmore
- Frank
- Bellevue
- Lundbreck
- Brumis
- Gap Livingston Farm



# Process: Public Safety Power Shut-off

## What should you expect?

- Advance warning whenever possible
- Continued updates to keep you informed before, during and after
- Communications via phone, text, radio and social media
- Safety inspections to confirm extreme conditions have passed
- Power restoration as soon as possible

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# Notification: Public Safety Power Shut-off


## Potential - forecast received

Notify emergency management, media, community support organizations and customers of potential Public Safety Power Shutoff. Update AltaLink website and social media channels.

## Potential - continued monitoring

1st call made to customers. Update AltaLink online channels. Contact self-identified medical needs customers

## Imminent - 2 hour notice

2nd call made to customers. Local emergency management continues outreach to medical needs customers. Update AltaLink online channels. Update emergency management, the media and community support organizations.

## In progress - notice of start of Public Safety Power Shutoff

4th call made to customers. Update AltaLink social media channels and website. Update emergency management, the media and community support organizations.

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# Notification: Public Safety Power Shut-off

**When forecasts change, a Public Safety Power Shut-off can be cancelled. In this case, we will:**

- Call customers to let them know
- Contact community leaders
- Update our social media channels and notify the media

**When the threat is over, we can restore power to the community. We will:**

- Notify customers when restoration begins
- Notify community leaders
- Notify customers when complete

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY

# What you can do to prepare

**Safety begins at home. You can take these steps to prepare:**

1) Update your emergency plan and supplies

2) Plan for any medical needs

3) Visit altalink.ca/wildfiresafety for additional details and resources

ALTALINK
A BERKSHIRE HATHAWAY ENERGY COMPANY