
From: [REDACTED]
To: [REDACTED]
CC: [REDACTED]
Sent: 11/22/2020 7:50:53 PM
Subject: RE: Risk Buydown Curve for Fires
Attachments: Fires by CPZ.pptx; System Hardening Risk Buydown Curve.xlsx

*******CAUTION: This email was sent from an EXTERNAL source. Think before clicking links or opening attachments.*******

Please see the risk buydown curve for these fires. Using the system hardening prioritization, Camp fire was identified as a high risk circuit. Other fires are distributed across the system. Happy to take this a step further if there is additional direction we need from this.

Thanks,
[REDACTED]

[REDACTED]
KPMG LLP | Manager, Strategy
Mobile: [REDACTED]
[REDACTED]

From: [REDACTED]
Sent: Sunday, November 22, 2020 8:27 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: [EXTERNAL] RE: Risk Buydown Curve for Fires

Attached are the circuit segments (column F) and PZ_index (Column G) for each of the historical destructive fires. I think we should be careful with lightning complex fires as the lat/long are curious. For example the Santa Cruz lightning complex lat/long is on a circuit along the beach at Point Moretti.

Please place these on the 2018 and 2021 SH curve and let's discuss.

Thanks,
[REDACTED]

From: [REDACTED]
Sent: Sunday, November 22, 2020 12:06 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Risk Buydown Curve for Fires

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Here is an initial view of the fires by CPZ.

I'm getting the details for each of these, and will have backups ready for this on each ignitions. Since the ignitions were relatively low on the curve, I wanted to make sure that this was put in front of you early.

Thank you

KPMG LLP | Manager, Strategy

Mobile:

From:

Sent: Sunday, November 22, 2020 2:33 PM

To:

Subject: [EXTERNAL] FW: Risk Buydown Curve for Fires

Importance: High

I need this for Monday.

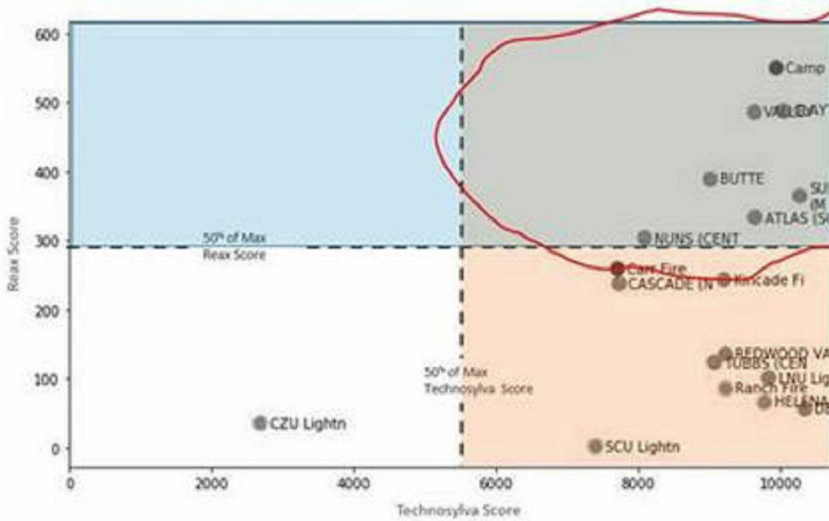
The question we are trying to answer. Also trying to head this off with the Wildfire Safety Division that is likely to have the same question. **Can we talk briefly today.**

Why does the REAX Consequence capture "50%" of the Fires, but the Risk Buydown curve for 2021 model flips all

the CPZ from the 2018 Model ?

Technosylva based wildfire consequence data better identifies historical destructive fire locations

MAVF CoRE vs Reax Structures (10km Max) of destructive fires



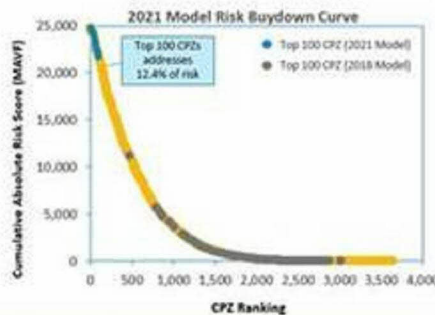
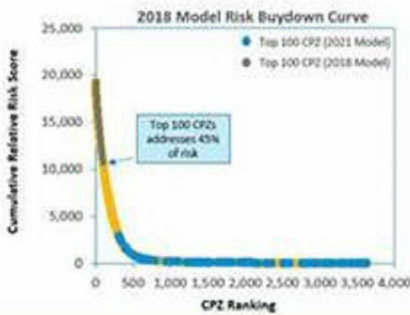
REAX Score

- Previous models used the REAX wildfire consequence model
- Relies on fuels as a main parameter to determine wildfire spread
- REAX scores a portion of historical fires high

Technosylva Score (MAVF CoRE)

- Uses the Technosylva model which models ladder effect of fire moving from grass to scrub to tree-tops
- MAVF scores most historical catastrophic fires high

2:



Equipment (Conductor) Risk Buydown curves highlight the significant shift of where the top 100 CPZ's are between the two models primarily as a result of the shift in the consequence model

[Redacted] | PG&E | Electric Operations – Business Operations | 245 Market St # 1344 | San Francisco, Ca. 94105 | (C) [Redacted]

There is no such thing as a small act of kindness; every act creates a ripple with no logical end.

From: [Redacted]
Sent: Sunday, November 22, 2020 10:57 AM
To: [Redacted]
Subject: FW: Risk Buydown Curve for Fires

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FYI, this is what I am working from.

[Redacted]
KPMG LLP | Manager, Strategy
Mobile [Redacted]

From: [REDACTED]
Sent: Friday, November 20, 2020 5:59 PM
To: [REDACTED]

Subject: [EXTERNAL] Re: Risk Buydown Curve for Fires

I created the csv with PZ_idx as a column. Note not all fires have the protection zone index you can try with Arc Gis.

From: [REDACTED]
Date: Friday, November 20, 2020 at 2:04 PM
To: [REDACTED]

Subject: RE: Risk Buydown Curve for Fires

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I've done something similar to this in the past if you have Arc GIS. You can run a find nearest for each ignition point against the poles dataset (so long as poles are associated to CPZs). If you set the parameters to find multiple, you can incorporate several different CPZs which may give us a better view.

Thanks

[REDACTED]
KPMG LLP | Manager, Strategy
Mobile [REDACTED]

From: [REDACTED]
Sent: Friday, November 20, 2020 4:56 PM
To: [REDACTED]

Subject: [EXTERNAL] RE: Risk Buydown Curve for Fires

Thank you, [REDACTED] do you have any ideas on connecting lat/long to circuit segments?

From: [REDACTED]
Sent: Friday, November 20, 2020 1:52 PM
To: [REDACTED]
Subject: Re: Risk Buydown Curve for Fires

I don't have CPZ id's mapped. This takes couple of hours to complete. I will send it by end of the day

From: [REDACTED]
Date: Friday, November 20, 2020 at 12:47 PM
To: [REDACTED]

Subject: RE: Risk Buydown Curve for Fires

This the request behind my voice message and Teams message. Please respond with the lat/long and circuit segments for each of the historical destructive fires in the REAX vs TS chart.

Thanks,

From: [REDACTED]
Sent: Friday, November 20, 2020 12:41 PM
To: [REDACTED]
Subject: Risk Buydown Curve for Fires

*******CAUTION: This email was sent from an EXTERNAL source. Think before clicking links or opening attachments.*******

H [REDACTED]
[REDACTED] has asked me to help put together a slide outlining where the fires fall on the risk buydown curve. Do you have these fires mapped to CPZs? If not, do you have the list of CPZs that fall into the 10km squares surrounding the ignition points?

Thanks

[REDACTED]
KPMG LLP | Manager, Strategy
Mobile: [REDACTED]
[REDACTED]

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