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Energy Event Index

The Energy Event Index (EEI), a licensed add-on to WeatherSentry®, is a categorical, risk-based forecast for impactful weather hazards, including wind speed, wind gusts, lightning, heavy rains, snow, ice accretion, and wildfires. It provides forecasts for three and five days out, updated one to two times a day.

EEI is a human-based consultative forecast performed by our expert team of meteorologists. It also offers the option to engage in text discussions with a meteorologist, highlighting their thoughts on the forecast precisely and clearly so your team can best understand the content.

We will work with you to define a region or regions within your service territory. Depending on size, geography, topography, or breakout of operational divisions, most utilities divide their territory into multiple sections that align with their operating practices.

EEI forecasts are issued at a set time each day that you define and are accessible via email or WeatherSentry. You can further define criteria that align with your daily and emergency operational and risk mitigation plans with adjustments based on seasonal changes, such as the presence of leaves on trees. Define criteria that align with your daily and emergency operational and risk mitigation plans.

ENERGY EVENT INDEX LOCAL FORECAST HISTORICAL WEATHER	
	0
Threat Level Discussion <u>Legend</u>	Print
Weather Risk Index Definition	
No Leaves (Nov 1 - Mar 31)	
Risk Wind Speed Wind/Gust Wind/fire Snow Ice Confidence Level 1 < 25 mph	web the sweet
1 < 25 mph	
$2 \rightarrow 25$ mpi $\rightarrow 35$ mpi Low Rosk with Diy Humbersturms $2 = 5$ m, $2 = 100$ m. Here the most likely more reventermans at management of the most likely more reventermans at management $2 = 5$ m. $2 = 100$ m.	
A >= 60 mph >= 27 mph Extreme Risk >= 15 in. >= 1 in.	are given and or other
*Note: Confidence is NOT a measure of probability of an event occurring; if you have an accompanying forecast discussion, that information can be found there. Confidence is	
how likely the forecasted index level will stay at that level from now through the event, or a way to measure the potential for variability in the forecast. So for example, if it is Mo	
there are level 2 gusts forecasted on Wednesday with high confidence, and if your customizable threshold for high confidence is set at 60%, it means the following: There is a chance the most likely forecasted gusts will remain at level 2 with all updates from now through Wednesday.	>=60%
ENERGY EVENT INDEX LOCAL FORECAST HISTORICAL WEATHER	
	-
Threat Level Discussion <u>Legend</u>	Print
Weather Risk Index Definition	
No Leaves (Nov 15 - Apr 30)	
Risk Wind Speed Wind/Gust Snow Ice Confidence Level	
1 < 35 mb < 40 mb < 4 in $< 1/8$ in. Low $< 30%$ chance the most likely index level remains at that level through	the event
	the event
2 >= 35 mph >= 40 mph >= 4 in. >= 1/8 in. Medium 30-60% chance the most likely index level remains at that level through	
2 >= 35 mph >= 40 mph >= 4 in >= 1/8 in. 3 >= 45 mph >= 50 mph >= 8 in. >= 1/4 in.	
2 >= 35 mph >= 40 mph >= 1/8 in. 3 >= 45 mph >= 50 mph >= 8 in. >= 1/4 in. 4 >= 55 mph >= 60 mph >= 1/2 in. >= 1/2 in.	
2 >= 35 mph >= 40 mph >= 1/8 in. 3 >= 45 mph >= 50 mph >= 8 in. >= 1/4 in. 4 >= 55 mph >= 60 mph >= 1/2 in. >= 1/2 in. 5 >= 65 mph >= 24 in. >= 1/2 in. >= 1/2 in.	h the event
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		Energy Event Index fo Valid time: August 31, 202		Company	Your forecast	administrator:	
		Parameter	Region	Day 1	Day 2	Day 3	
		Wildfire Black Hills Region		n 1	3	1	
			Pueblo CO Regio	on 3	3	3	
		Confidence level	Black Hills Regio	n High	Medium	High	
			Pueblo CO Regio	n High	High	High	
		Energy Event Index definition					
		With Leaves (Apr 1 - Oct 31)		Confider			
				1% chance the most likely inde		nat level through the	'
			Mediu 30- m eve	60% chance the most likely in ent	dex level remains a	t that level through t	he
				>=60% chance the most likely index level remains at that level through the event			

An example EEI forecast email

We email forecasts to your inbox each day at agreed-upon times, and include weather hazard risk scores, forecast confidence, and forecast text discussions. This ensures all stakeholders across your organization are on the same page when preparing your operations for expected weather threats.

WeatherSentry application

In addition to emails, you can view detailed information directly in WeatherSentry. Its interactive map shows the EEI risk in a colorcoded table and the areas of interest under the event's risks.



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