OFFICE OF ENERGY INFRASTRUCTURE SAFETY

2023 ELECTRICAL CORPORATION WILDFIRE MITIGATION MATURITY SURVEY

REVISED FINAL

April 24, 2023

Preface

To assess current and projected maturity in the 2023-2025 Electrical Corporation Wildfire Mitigation Maturity Model (Maturity Model), each electrical corporation must complete this Maturity Survey. Each of the seven categories in the Maturity Model are composed of multiple capabilities which, in turn, are composed of multiple sub-capabilities. For each sub-capability, a series of questions is asked to ascertain the electrical corporation's maturity in that aspect of the capability. For most scoring philosophies, all questions fall under one of the following three scoring schemes. However, a few scoring philosophies contain questions associated with two or more schemes. When a sub-capability contains multiple scoring schemes, these schemes are divided into subsections so that all questions in a subsection follow the same scoring scheme. Each subsection is scored independently, and the maturity score for the associated sub-capability is the minimum of the subsection scores. For scoring philosophies with multiple scoring schemes, the subsection and sub-capability maturity levels should be recorded in the table provided at the end of the sub-capability. The three scoring approaches include the following:

- **Ascending**: Yes/No questions which are ordered by increasing associated maturity level. Maturity is determined by the first negative response.

- **Cumulative**: Yes/No questions where the order is not significant and maturity is determined by the number of questions for which a positive response is given.

- **Tiered response**: Questions with more than two response options. Each response has an associated maturity level. If this (sub)section contains more than one question, the (sub)section maturity is the lowest maturity level from the individual responses.

Note that for any individual question, if the electrical corporation believes the question to not be applicable to it, it is to select the response that provides it the highest maturity score. The electrical corporation must also indicate which question it believes is not applicable and why it believes it is not applicable in the free-response box at the end of the sub-capability (see further discussion on the free-response box below).

At the end of each sub-capability within the Maturity Survey, there is a free-response box. Within this box, the electrical corporations may voluntarily provide additional commentary on the questions and/or responses provided in that sub-capability. These optional responses can be used to provide the following:

- Justification of a specific question not being applicable to the electrical corporation.

- Clarifying comments if the electrical corporation's capabilities could not be accurately described by the provided response options.

- Summary of any ambiguities in the electrical corporation's understanding of the question, and the assumptions made by the electrical corporation in interpreting the question.

- Recommended changes (additions, removals, and modifications) to questions and/or responses to provide a more relevant measurement of maturity.[1]

Energy Safety does not intend for electrical corporations to provide free-response input on every section. Energy Safety expects that the majority of the free-response boxes in a completed survey will be blank. Note that while the content of the electrical corporation's WMP should be consistent with survey responses and commentary, the WMP should be a stand-alone document not requiring cross-reference to the free-response boxes within the Maturity Survey.

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[1] Large scale changes to the Maturity Model and Survey are not expected in the 2023-2025 WMP cycle, Energy Safety may consider recommendations for 2026.

1 Category A. Risk Assessment and Mitigation Strategy

1.1 Capability 1. Statistical weather, climate, and wildfire modeling

1.1.1 Climate change

Maturity in this sub-capability is equal to the sum of the quantity of questions answered **YES**.

1.1.1.Q1   Does the electrical corporation evaluate the impacts of population growth in the wildland-urban interface (WUI)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.1.Q2   Does the electrical corporation evaluate the impacts of climate change on increasing temperature affecting the duration and severity of the fire season?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.1.Q3   Does the electrical corporation evaluate the impacts of climate change on the intensity and frequency of precipitation affecting seasonal moisture and vegetation growth?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.1.Q4   Does the electrical corporation evaluate the impacts of climate change on long-term changes in predominant vegetative species?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

Commentary on responses for this sub-capability may be provided below (not required):

1.1.2   Comprehensiveness

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

1.1.2.Q1   Does the electrical corporation calculate weather parameters (e.g., wind speed, relative humidity, temperature, and fuel moisture content) required to estimate the likelihood of ignition, wildfire spread probability, and wildfire risk intensity?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.2.Q2 Do fire weather conditions meet the minimum design scenarios established by Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.1.2.Q3 Do electrical corporation models include local topography as an input?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.2.Q4 Do electrical corporation models include local weather as an input?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.2.Q5 Do electrical corporation models include local vegetation as an input?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.2.Q6 Does the electrical corporation use models to generate statistically relevant

design conditions at baseline, 20-year, 60-year, and 300-year return intervals (i.e., Wind Load Conditions 1 through 4)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.2.Q7   Does the electrical corporation use models to generate relative wildfire spread likelihood across the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.1.2.Q8   Does the electrical corporation use models to generate estimated acres burned at baseline, 20-year, 60-year, and 300-year return intervals (i.e., Wind Load Conditions 1 through 4)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.1.2.Q9   Do electrical corporation models include fire suppression activities as inputs?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.2.Q10   Do electrical corporation models include community-specific vegetation

treatment plans throughout the service territory as inputs?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.2.Q11   Does the electrical corporation use models to generate air quality effects including greenhouse gas emissions and population health impacts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, then the maturity in this subsection is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.1.3   Information technology (IT) infrastructure and database management

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.1.3.Q1   Does electrical corporation database management meet the minimum Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.3.Q2   Are model inputs version controlled and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.3.Q3   Are model outputs version controlled and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.3.Q4   Are the electrical corporation models version controlled with version-specific technical documentation maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.1.3.Q5   Are database(s) of model inputs and outputs appropriately linked with each relevant electrical corporation database (assets, weather, vegetation)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		

Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

1.1.4   Learning and continuous improvement

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.1.4.Q1   Does the electrical corporation have a clearly defined operational process in place to track discrepancies between model predictions and observed behavior during annual planning?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.4.Q2   Does the electrical corporation have a clearly defined process to track and adjudicate comments from stakeholders on modeling efforts which are recorded and shared in a consistent format?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.1.4.Q3   Does the electrical corporation participate in task groups focused on sharing and improving best practices, including participation by industry, government, and academic institutions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.1.4.Q4   Does the electrical corporation fund and participate in both independent and collaborative research that focuses on improving its understanding of best practices?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

1.1.5   Modularization

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.1.5.Q1   Is modeling software modular in design, with sub-modules which can be

replaced to evaluate the impact of different assumptions on the results?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.5.Q2   Does modeling software include a statistical weather analysis module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.5.Q3   Does modeling software include a statistical fire behavior analysis module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.5.Q4   Does modeling software include a statistical seasonal vegetation analysis module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.1.5.Q5   Does modeling software include a climate change module which impacts statistical weather?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.5.Q6   Does modeling software include a weather-driven seasonal vegetation moisture module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.5.Q7   Does modeling software include a weather-driven seasonal vegetation growth module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.1.5.Q8   Does modeling software include a synoptic scale weather module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.5.Q9   Does modeling software include a mesoscale weather module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.1.5.Q10   Does modeling software include a large eddy scale weather module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.1.6   Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

1.1.6.Q1   What horizontal resolution is employed for statistical weather and climate models?

Date	>4 km (0)	<= 4 km (1)	<= 2 km (2)	<= 1 km (3)	<= 100 m (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

1.1.6.Q2   What horizontal resolution is employed for statistical fire models?

Date	>1 km (0)	<= 1 km (1)	<= 100 m (2)	<= 30 m (3)	<= 10 m (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

1.1.6.Q3   Vertical resolution of the statistical weather model(s) is sufficient to evaluate conditions at what granularity?

Date	Minimum resolution requirements not met (0)	Average conditions at measured locations in the service territory (1)	Average height of lines on a circuit (2)	Average height of lines on a span (3)	Average height of individual lines (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

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1.1.7　　Stability of assumptions

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.1.7.Q1　　Are assumptions and limitations of the model(s) known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.7.Q2　　Does the electrical corporation have an established process in place to develop and document changes to the model formulation in a development environment that is version controlled and independent from the production/deployed model?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.7.Q3   Are changes to model formulation planned for implementation during the year of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.1.7.Q4   Are changes to the model formulation evaluated using hindcast in the development environment?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.7.Q5   Are discrepancies between development and production versions of the model(s) quantified and statistically evaluated to demonstrate improved performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.7.Q6   Are changes to the model formulation planned for implementation during the year after WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.1.7.Q7   Are changes to the model formulation used in the development environment in parallel with the existing production model during development of annual WMP Updates?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.7.Q8   Are validation results used to justify changes (or lack of changes) to modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.7.Q9   Are changes to model formulation developed during a previous year and planned for implementation in a future year (i.e., over a three-year spread)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.1.7.Q10   Do your annual model validation results indicate that no changes should be made to your modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.1.8   Transparency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.1.8.Q1   Does the electrical corporation share data and methods in a manner than meets the minimum Energy Safety reporting requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.1.8.Q2   Is a statistical summary of data and model performance provided to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.8.Q3   Is model technical documentation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.1.8.Q4   Are model verification and validation documentation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.8.Q5   Does the electrical corporation share nonconfidential nonspatial data with the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.1.8.Q6   Are model software source code and data for verification and validation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.1.9   Validation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.1.9.Q1   Is the statistical uncertainty in model inputs and parameters (aleatory) known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.9.Q2   Is the statistical uncertainty in modeling assumptions, limitations, and parameterizations (epistemic) known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.1.9.Q3   Is the sensitivity of model output predictions to uncertainty in each input parameter known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.9.Q4   Is the uncertainty in model predictions inherent to model limitations known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.9.Q5   Is the sensitivity of downstream models to uncertainty in modeling known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.9.Q6   Are sensitivity analyses used to evaluate model predictions at different percentiles (justified in the WMP) for use in downstream models and decision-making processes?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.1.9.Q7   Are uncertainties due to measurements documented and used in model validation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.1.9.Q8   Is uncertainty propagation analytically calculated and presented using standard methods such as Bayesian inference and uncertainty quantification?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.1.10   Validation & documentation and disclosures

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

1.1.10.Q1   Is model substantiation provided in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.1.10.Q2   Are model verification and validation suites automated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.10.Q3   Are model verification and validation suites version controlled?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.10.Q4   Are model verification and validation suites re-evaluated every time underlying data or models are updated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.1.10.Q5   Are discrepancies between production model and observed reality quantified and statistically evaluated to validate performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.1.10.Q6   Are model verification and validation suites (data plus code) provided to regulators for third-party review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.1.10.Q7   Is annual blind model validation accomplished by analyzing model performance for the previous year based on the data available and assumptions made at the time of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

A. Tiered response

Maturity in this subsection is the minimum of maturity of the selected response(s). Each response's maturity is indicated in parentheses.

1.1.10.Q8   Model performance on each key metric demonstrates a systematic bias of what level?

Date	>= 20% (1)	<20% (2)	<10% (3)	<5% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

1.1.10.Q9   Model performance on each key metric demonstrates a standard deviation in error of what level?

Date	>= 40% (1)	<40% (2)	<20% (3)	<15% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

B. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Ascending				
B. Tiered response				
Total. Validation & documentation and disclosures				

Commentary on responses for this sub-capability may be provided below (not required):

1.1.11   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Climate change				
Comprehensiveness				
Information technology (IT) infrastructure and database management				
Learning and continuous improvement				
Modularization				
Spatial granularity				
Stability of assumptions				
Transparency				
Validation				
Validation & documentation and disclosures				

1.2 Capability 2. Calculation of wildfire and PSPS risk exposure for societal values

1.2.1 Automation

Maturity in this sub-capability is 1 if the answer to **any** of the following question(s) is **NO**.

1.2.1.Q1 Are wildfire risk intensity and exposure automatically calculated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.1.Q2 Is PSPS exposure automatically calculated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.2.1.Q3 Are discrepancies between forecasts and observations of wildfire and PSPS risk exposure automatically identified, documented, and sent to subject matter experts for review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.2.1.Q4 Are discrepancies between forecasts and observations of wildfire and PSPS risk exposure automatically integrated into the predictive model to improve future performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.2.2   Comprehensiveness

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.2.2.Q1   Do models of wildfire and PSPS risk exposure potential include population as an input?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.2.Q2   Do models of wildfire and PSPS risk exposure potential include buildings as an input?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.2.Q3   Do models of wildfire and PSPS risk exposure potential include fire intensity as an input?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.2.Q4   Do models of wildfire and PSPS risk exposure potential include loss of life as an output?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.2.Q5   Do models of wildfire and PSPS risk exposure potential include injuries as an output?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.2.Q6   Do models of wildfire and PSPS risk exposure potential include property damage as an output?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.2.Q7   Do models of wildfire and PSPS risk exposure potential include acres burned as an output?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.2.Q8   Do models of wildfire and PSPS risk exposure potential include number of customers impacted by the PSPS as an output?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.2.Q9   Do models of wildfire and PSPS risk exposure potential include number of access and functional needs (AFN), Medical Baseline, and socially vulnerable customers impacted by the PSPS event as an output?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.2.2.Q10   Do models of wildfire and PSPS risk exposure potential include customer hours of PSPS as an output?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.2.Q11   Do models of wildfire and PSPS risk exposure potential include customer hours of PSPS for AFN, Medical Baseline, and socially vulnerable customers as an output?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.2.2.Q12   Do models of wildfire and PSPS risk exposure potential include ingress and egress capacity and planning as an input?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.2.Q13   Do models of wildfire and PSPS risk exposure potential include economic impact on small businesses as an output?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.2.2.Q14   Do models of wildfire and PSPS risk exposure potential include containment and suppression difficulty as an output?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.2.3   IT infrastructure and database management

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.2.3.Q1   Are wildfire and PSPS risk severity and exposure model inputs version controlled and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.3.Q2   Are wildfire and PSPS risk severity and exposure model outputs version controlled and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.3.Q3   Are wildfire and PSPS risk severity and exposure model software versions controlled, documented, and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.2.3.Q4   Is each element contained in the database(s) clearly defined and explained?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.2.3.Q5   Are the databases of model inputs and outputs appropriately linked with each relevant electrical corporation database (assets, weather, vegetation)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

1.2.4 Quality assurance and quality control (QA/QC) and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.2.4.Q1   Is the quality of model calculations assessed annually through subject matter expert review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.2.4.Q2   Does the electrical corporation benchmark wildfire and PSPS risk exposure estimation with other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.2.4.Q3   Are in-depth analyses conducted to provide a comprehensive understanding of

strengths and weaknesses of the system?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.2.5 Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

1.2.5.Q1   At what spatial granularity are model calculations conducted?

Date	Greater than a regional level (0)	Regional level (1)	Circuit level (2)	Span level (3)	Asset level (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

1.2.6 Stability of assumptions

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.2.6.Q1   Are assumptions and limitations of the model(s) known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.6.Q2   Does the electrical corporation have an established process in place to develop and document changes to the model formulation in a development environment that is version controlled and independent from the production/deployed model?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.6.Q3   Are changes to model formulation planned for implementation during the year of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.2.6.Q4   Are changes to the model formulation evaluated using hindcast in the development environment?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.6.Q5   Are discrepancies between development and production versions of the model(s) quantified and statistically evaluated to demonstrate improved performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.6.Q6   Are changes to model formulation planned for implementation during the year after WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.2.6.Q7   Are changes to the model formulation used in the development environment in parallel with the existing production model during development of annual

WMP Updates?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.6.Q8   Are validation results used to justify changes (or lack of changes) to modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.6.Q9   Are changes to model formulation developed during a previous year and planned for implementation in a future year (i.e., over a three-year spread)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, then the maturity in this sub-capability is 3.

1.2.6.Q10   Do your annual model validation results indicate that no changes should be made to your modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.2.7 Transparency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.2.7.Q1 Does the electrical corporation share data and methods in a manner than meets the minimum Energy Safety reporting requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.2.7.Q2 Is a statistical summary of data and model performance provided to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.7.Q3 Is model technical documentation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.2.7.Q4   Are model verification and validation documentation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.7.Q5   Does the electrical corporation share relevant nonspatial data with the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.2.7.Q6   Are model software source code and data for verification and validation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

1.2.8   Validation

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

1.2.8.Q1   Is model substantiation provided in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.2.8.Q2   Are model verification and validation suites automated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.8.Q3   Are model verification and validation suites version controlled?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.8.Q4   Are model verification and validation suites reevaluated every time underlying data or models are updated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.8.Q5   Are discrepancies between production model and observed reality quantified and statistically evaluated to improve performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.2.8.Q6   Is annual blind model validation accomplished by analyzing model performance for the previous year based on the data available and assumptions made at the time of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.2.8.Q7   Are model verification and validation suites (data plus code) provided to the regulator for third-party review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

1.2.8.Q8   Model performance on each key metric demonstrates a systematic bias of what level?

Date	>= 20% (1)	<20% (2)	<10% (3)	<5% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

1.2.8.Q9   Model performance on each key metric demonstrates a standard deviation in error of what level?

Date	>= 40% (1)	<40% (2)	<20% (3)	<15% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026

A. Ascending				
B. Tiered response				
Total. Validation				

Commentary on responses for this sub-capability may be provided below (not required):

1.2.9   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation				
Comprehensiveness				
IT infrastructure and database management				
Quality assurance and quality control (QA/QC) and subject matter expert verification				
Spatial granularity				
Stability of assumptions				
Transparency				
Validation				

1.3 Capability 3. Calculation of community vulnerability to wildfire and Public Safety Power Shutoffs (PSPS)

1.3.1 Automation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.3.1.Q1 Are calculations of vulnerability to wildfire risk automatically calculated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.1.Q2 Are calculations of vulnerability to PSPS risk automatically calculated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.3.1.Q3 Are discrepancies between forecasts and observations of community vulnerability to wildfire and PSPS automatically identified, documented, and sent to subject matter experts for review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.3.1.Q4 Are discrepancies between forecasts and observations of community vulnerability to wildfire and PSPS automatically integrated into the predictive

model to improve future performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.3.2 Comprehensiveness

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.3.2.Q1   Do models of community vulnerability to wildfire and PSPS include vulnerable populations as an input?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.2.Q2   Do models of community vulnerability to wildfire and PSPS include critical infrastructure as an input?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.2.Q3   Do models of community vulnerability to wildfire and PSPS include number of people affected by a PSPS event as an output?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.2.Q4   Do models of community vulnerability to wildfire and PSPS include number of people affected by a wildfire as an output?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.3.2.Q5   Do models of community vulnerability to wildfire and PSPS include redundant systems (such as generators) as an input?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.2.Q6   Do models of community vulnerability to wildfire and PSPS include legacy building codes as an input?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.3.2.Q7   Do models of community vulnerability to wildfire and PSPS include collaborative community wildfire preparedness initiatives (e.g., Firewise) as an input?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.2.Q8   Do models of community vulnerability to wildfire and PSPS include potential life and property loss from a wildfire as an output?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.3.2.Q9   Do models of community vulnerability to wildfire and PSPS include availability of ingress and egress as an input?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

1.3.3 IT infrastructure and database management

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.3.3.Q1 Are community vulnerability model inputs version controlled and maintained in the electrical corporation's database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.3.Q2 Are community vulnerability model outputs version controlled and maintained in the electrical corporation's database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.3.Q3 Are community vulnerability model software versions controlled, documented, and maintained in the electrical corporation's database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.3.3.Q4   Is each element contained in the database(s) clearly defined and explained?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.3.3.Q5   Are the databases of model inputs and outputs appropriately linked with each relevant electrical corporation database (assets, weather, vegetation)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

1.3.4 QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.3.4.Q1 Is the quality of model calculations assessed annually through subject matter expert review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.3.4.Q2 Does the electrical corporation benchmark wildfire and PSPS risk exposure estimation with other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.3.4.Q3 Are in-depth analyses conducted to provide a comprehensive understanding of strengths and weaknesses of the system?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

1.3.5 Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

1.3.5.Q1 At what spatial granularity are model calculations conducted?

Date	Higher than a regional level (0)	Regional level (1)	Circuit level (2)	Span level (3)	Asset level (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

1.3.6   Stability of assumptions

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.3.6.Q1   Are assumptions and limitations of the model(s) known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.6.Q2   Does the electrical corporation have an established process in place to develop and document changes to the model formulation in a development environment that is version controlled and independent from the production/deployed model?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.6.Q3   Are changes to model formulation planned for implementation during the year of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.3.6.Q4   Are changes to the model formulation evaluated using hindcast in the development environment?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.6.Q5   Are discrepancies between development and production versions of the model(s) quantified and statistically evaluated to demonstrate improved performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.6.Q6   Are changes to model formulation planned for implementation during the year after WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.3.6.Q7   Are changes to the model formulation used in the development environment in parallel with the existing production model during development of annual WMP updates?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.6.Q8   Are validation results used to justify changes (or lack of changes) to modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.6.Q9   Are changes to model formulation developed during a previous year and planned for implementation in a future year (i.e., over a three-year spread)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.3.6.Q10   Do your annual model validation results indicate that no changes should be made to your modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.3.7   Transparency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.3.7.Q1   Does the electrical corporation share data and methods in a manner than meets the minimum reporting requirements of Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.3.7.Q2   Is a statistical summary of data and model performance provided to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.7.Q3   Is model technical documentation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.3.7.Q4   Are model verification and validation documentation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.7.Q5   Does the electrical corporation share relevant nonspatial and geospatial data

with the community?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.3.7.Q6   Are model software source code and data for verification and validation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

1.3.8   Validation

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

1.3.8.Q1 Is model substantiation provided in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.3.8.Q2 Are model verification and validation suites automated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.8.Q3 Are model verification and validation suites version controlled?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.8.Q4 Are model verification and validation suites reevaluated every time underlying data or models are updated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.8.Q5 Are discrepancies between production model and observed reality quantified and statistically evaluated to improve performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.3.8.Q6   Is annual blind model validation accomplished by analyzing model performance for the previous year based on the data available and assumptions made at the time of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.3.8.Q7   Are model verification and validation suites (data plus code) provided to the regulator for third-party review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

1.3.8.Q8   Model performance on each key metric demonstrates a systematic bias of what level?

Date	>= 20% (1)	<20% (2)	<10% (3)	<5% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

1.3.8.Q9   Model performance on each key metric demonstrates a standard deviation in error of what level?

Date	>= 40% (1)	<40% (2)	<20% (3)	<15% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Ascending				
B. Tiered response				
Total. Validation				

Commentary on responses for this sub-capability may be provided below (not required):

1.3.9 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation				
Comprehensiveness				
IT infrastructure and database management				
QA/QC and subject matter expert verification				
Spatial granularity				
Stability of assumptions				
Transparency				
Validation				

1.4 Capability 4. Calculation of risk and risk components

1.4.1 Climate change

Maturity in this sub-capability is equal to the sum of the quantity of questions answered **YES**.

1.4.1.Q1   Does the electrical corporation consider the impacts of population growth in the WUI?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.1.Q2   Does the electrical corporation consider the impacts of climate change on increasing temperature affecting the duration and severity of the fire season?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.1.Q3   Does the electrical corporation consider the impacts of climate change on the intensity and frequency of precipitation affecting seasonal moisture and vegetation growth?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.1.Q4   Does the electrical corporation consider the impacts of climate change on long-term changes in predominant vegetative species?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

Commentary on responses for this sub-capability may be provided below (not required):

1.4.2 Comprehensiveness

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.4.2.Q1   Does the electrical corporation calculate each risk and risk component in accordance with Energy Safety requirements including each design scenario?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.2.Q2   Does the combination of risks and risk components include evaluation of the relative importance of life safety?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.2.Q3   Does the combination of risks and risk components include evaluation of the

relative importance of reliability?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.2.Q4   Does the combination of risks and risk components include evaluation of the relative importance of affordability?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.4.2.Q5   Does the combination of risks and risk components include evaluation of the relative importance of property protection?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.4.2.Q6   Does the combination of risks and risk components include evaluation of the relative importance of resiliency?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.2.Q7   Does the combination of risks and risk components include evaluation of the relative importance of environmental protection?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.4.2.Q8   Does the combination of risks and risk components include evaluation of the relative importance of long-term health impacts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.2.Q9   Does the combination of risks and risk components include evaluation of the relative importance of public perception?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

1.4.2.Q10   [Question Removed; April 24, 2023, revision]

Commentary on responses for this sub-capability may be provided below (not required):

1.4.3   IT infrastructure and database management

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.4.3.Q1   Are risk model inputs version controlled and maintained in the electrical corporation's database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.3.Q2   Are risk model outputs version controlled and maintained in the electrical corporation's database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.3.Q3   Are risk model software versions controlled, documented, and maintained in the electrical corporation's database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.4.3.Q4   Are the databases of model inputs and outputs appropriately linked with each relevant electrical corporation database (assets, weather, vegetation)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.4.4   Learning and continuous improvement & QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.4.4.Q1   Does the electrical corporation have a clearly defined operational process in place to track discrepancies between model predictions and observed behavior during annual planning?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.4.Q2   Does the electrical corporation have a clearly defined process to track and adjudicate comments from stakeholders on modeling efforts which are recorded and shared in a consistent format?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.4.Q3   Are risk maps annually assessed through subject matter expert review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.4.4.Q4   Are risk maps annually assessed through independent, third-party subject matter expert review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.4.4.Q5   Does the electrical corporation participate in task groups focused on sharing and improving best practices, including participation by industry, government, and academic institutions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.4.4.Q6　　Does the electrical corporation fund and participate in both independent and collaborative research that focuses on improving its understanding of best practices?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.
Commentary on responses for this sub-capability may be provided below (not required):

1.4.5　　Modularization

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.4.5.Q1　　Is modeling software modular in design, with sub-modules which can be replaced to evaluate the impact of different assumptions on the results?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.5.Q2   Does modeling software include an ignition risk module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.5.Q3   Does modeling software include a PSPS risk module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.4.5.Q4   Does modeling software include an ignition likelihood module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.5.Q5   Does modeling software include an ignition consequence module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.4.5.Q6   Does modeling software include a PSPS consequence module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.5.Q7   Does modeling software include a PSPS likelihood module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.5.Q8   Does modeling software include a wildfire consequence module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.5.Q9   Does modeling software include a wildfire spread likelihood module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.5.Q10   Does modeling software include a contact from object likelihood of ignition module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.5.Q11   Does modeling software include a contact from vegetation likelihood of ignition module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.5.Q12   Does modeling software include an equipment likelihood of ignition module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.4.5.Q13   Does modeling software include a wildfire risk intensity module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.5.Q14   Does modeling software include a wildfire exposure potential module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.5.Q15   Does modeling software include a community vulnerability to wildfire module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.5.Q16   Does modeling software include a community vulnerability to PSPS module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.5.Q17   Does modeling software include a PSPS exposure potential module?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.4.6   Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

1.4.6.Q1   [Question Removed; April 24, 2023, revision]

1.4.7   Stability of assumptions

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.4.7.Q1   Are assumptions and limitations of the model(s) known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.7.Q2   Does the electrical corporation have an established process in place to develop and document changes to the model formulation in a development environment that is version controlled and independent from the production/deployed model?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.7.Q3   Are changes to model formulation planned for implementation during the year of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.4.7.Q4   Are changes to the model formulation evaluated using hindcast in the development environment?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.7.Q5   Are discrepancies between development and production versions of the model(s) quantified and statistically evaluated to demonstrate improved performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.7.Q6   Are changes to model formulation planned for implementation during the year after WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.4.7.Q7   Are changes to the model formulation used in the development environment in parallel with the existing production model during development of annual WMP updates?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.7.Q8   Are validation results used to justify changes (or lack of changes) to modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.7.Q9   Are changes to model formulation developed during a previous year and planned for implementation in a future year (i.e., over a three-year spread)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.4.7.Q10   Do your annual model validation results indicate that no changes should be made to your modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.4.8   Transparency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.4.8.Q1   Does the electrical corporation share data and methods in a manner than meets the minimum Energy Safety reporting requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.4.8.Q2   Is a statistical summary of data and model performance provided to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.8.Q3   Is model technical documentation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.4.8.Q4   Are model verification and validation documentation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.8.Q5   Does the electrical corporation share relevant nonspatial data with the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.4.8.Q6   Are model software source code and data for verification and validation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.4.9   Validation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.4.9.Q1   Is the statistical uncertainty in model inputs and parameters (aleatory) known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.9.Q2   Is the statistical uncertainty in modeling assumptions, limitations, and parameterizations (epistemic) known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.4.9.Q3   Is the sensitivity of model output predictions to uncertainty in each input parameter known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.9.Q4   Is the uncertainty in model predictions inherent to model limitations known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.9.Q5   Is the sensitivity of downstream models to uncertainty in modeling known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.9.Q6   Does the electrical corporation justify the design percentiles used in model predictions to evaluate downstream models and decision-making processes in the WMP?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.4.9.Q7   Are uncertainties due to measurements documented and used in model validation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.9.Q8   Does the electrical corporation evaluate model predictions at an 84th design percentile to evaluate downstream models and decision-making processes?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.4.9.Q9   Is uncertainty propagation analytically calculated and presented using standard methods such as Bayesian inference and uncertainty quantification?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.9.Q10   Does the electrical corporation evaluate model predictions at a 97.5th design percentile to evaluate downstream models and decision-making processes?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.4.10   Validation & documentation and disclosures

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

1.4.10.Q1   Is model substantiation provided in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.4.10.Q2   Are model verification and validation suites automated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.10.Q3   Are model verification and validation suites version controlled?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.10.Q4   Are model verification and validation suites reevaluated every time underlying data or models are updated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.10.Q5   Are discrepancies between production model and observed reality quantified and statistically evaluated to improve performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.4.10.Q6   Is annual blind model validation accomplished by analyzing model performance for the previous year based on the data available and assumptions made at the time of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.4.10.Q7   Are model verification and validation suites (data plus code) provided to the regulator for third-party review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

1.4.10.Q8   Model performance on each key metric demonstrates a systematic bias of what level?

Date	>= 20% (1)	<20% (2)	<10% (3)	<5% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

1.4.10.Q9   Model performance on each key metric demonstrates a standard deviation in error of what level?

Date	>= 40% (1)	<40% (2)	<20% (3)	<15% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Ascending				
B. Tiered response				
Total. Validation & documentation and disclosures				

Commentary on responses for this sub-capability may be provided below (not required):

1.4.11   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Climate change				
Comprehensiveness				
IT infrastructure and database management				
Learning and continuous improvement & QA/QC and subject matter expert verification				
Modularization				
Stability of assumptions				
Transparency				
Validation				
Validation & documentation and disclosures				

1.5 Capability 5. Risk event tracking and integration of lessons learned

1.5.1 Automation

Maturity in this sub-capability is 1 if the answer to **any** of the following question(s) is **NO**.

1.5.1.Q1 Are incident reports from risk events automatically entered into the corrective action program?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.5.1.Q2 Are risk events automatically prioritized for subject matter expert review based on details of the events?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.5.1.Q3 Are data from risk events automatically integrated into the risk analysis to improve model quality and validation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

1.5.2   Documentation and disclosures

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.5.2.Q1   Are risk events tracked in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.5.2.Q2   Are wildfire- and PSPS-related risk events formally tracked in the electrical corporation corrective action program?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.5.2.Q3   Are actions to prevent recurrence formally documented and tracked within the electrical corporation's WMP?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.5.3   Frequency

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

1.5.3.Q1   After entering the program, corrective actions are closed within what frequency (or, for long lead-time items, have an approved schedule for closure)?

Date	Greater than one year (1)	Within one year (2)	Within six months (3)	Within one quarter (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

1.5.3.Q2   At what frequency are risk events evaluated and entered into the corrective action program?

Date	Never (0)	At least annually (1)	At least quarterly (2)	At least monthly (3)	At least weekly (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

1.5.4   IT infrastructure and database management

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.5.4.Q1   Are risk event model inputs version controlled and maintained in the electrical corporation database(s)? This includes all data and models used in reconstruction and root cause analysis of risk events as part of the electrical corporation corrective action program.

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.5.4.Q2   Are risk event model outputs version controlled and maintained in the electrical corporation database(s)? This includes all data and models used in reconstruction and root cause analysis of risk events as part of the electrical corporation corrective action program.

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.5.4.Q3   Are risk event model software versions controlled, documented, and maintained in the electrical corporation database(s)? This includes all data and models used in reconstruction and root cause analysis of risk events as part of the electrical corporation corrective action program.

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.5.4.Q4   Are the databases of model inputs and outputs appropriately linked with each relevant electrical corporation database (assets, weather, vegetation)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.5.5 Learning and continuous improvement

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.5.5.Q1   Does the electrical corporation have clearly defined operational processes and procedures in place to integrate lessons learned from risk events to improve the electrical corporation's WMP program?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.5.5.Q2   Does the electrical corporation have a clearly defined process to track and adjudicate comments from stakeholders on the lessons learned from risk events and the associated corrective action program?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.5.5.Q3   Does the electrical corporation participate in task groups focused on sharing and improving best practices, including participation by industry, government, and academic institutions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.5.5.Q4   Does the electrical corporation fund and participate in both independent and collaborative research that focuses on improving its understanding of best practices based on data from risk events?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

1.5.6   QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.5.6.Q1   Does the electrical corporation have established internal processes and

procedures to evaluate the quality of risk event tracking and the electrical corporation corrective action program?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.5.6.Q2   Is the electrical corporation corrective action program audited by internal QA/QC?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.5.6.Q3   Is the electrical corporation corrective action program audited by independent third-party review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.5.6.Q4   Does the electrical corporation benchmark risk event data and corrective actions with other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

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1.5.7   Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

1.5.7.Q1   At what spatial granularity are risk events tracked?

Date	Greater than a regional level (0)	Regional level (HFTD Tiers 2/3 and Non-HFTD) (1)	Circuit level (2)	Span level (3)	Asset level (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

1.5.8 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation				
Documentation and disclosures				
Frequency				
IT infrastructure and database management				
Learning and continuous improvement				
QA/QC and subject matter expert verification				
Spatial granularity				

1.6 Capability 6. Risk-informed wildfire mitigation strategy

1.6.1 Automation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.6.1.Q1   Is the risk reduction impact of mitigation initiatives automated for weather forecast models?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.1.Q2   Is the risk reduction impact of mitigation initiatives automated for ignition likelihood models?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.1.Q3   Is the risk reduction impact of mitigation initiatives automated for sensor data of vegetation conditions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.6.1.Q4   Is the risk reduction impact of mitigation initiatives automated for other factors specific to the location in which the initiative is being undertaken?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.6.1.Q5   Are discrepancies between risk estimation and observations automatically identified, documented, and sent to subject matter experts for review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.1.Q6   Is the risk reduction impact of mitigation initiatives automated for air quality effects including greenhouse gas emissions and population health impacts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.1.Q7   Is the risk reduction impact of mitigation initiatives automated for calculating risk buy-down for individual initiatives?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.6.1.Q8   Are discrepancies between predictive models and observations evaluated and used to improve the predictive models?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.6.2   Comprehensiveness

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.6.2.Q1   Do model inputs include basic weather data including temperature, relative humidity, and wind velocity (speed and direction)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.2.Q2   Do model inputs include grid performance data including faults, failures, and recloser de-energizations throughout the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.2.Q3   Do model inputs include basic vegetation data including vegetation type and seasonal trends in fuel moisture?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.2.Q4   Do model outputs include the impact of each mitigation initiative on reducing each risk component?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.2.Q5   Do model outputs include a risk buy-down estimate for each individual mitigation initiative?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.6.2.Q6   Do model inputs include community-specific vegetation treatment plans throughout the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.2.Q7   Do model outputs include impact on community vulnerabilities?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.6.3   Frequency & risk buy-down

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

1.6.3.Q1   At what frequency are risk buy-down estimates updated with management review?

Date	Less than once per year (0)	At least annually (1)	At least twice per year (2)	At least quarterly (3)	At least monthly (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

1.6.4 IT infrastructure and database management

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.6.4.Q1 Are model inputs version controlled and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.4.Q2 Are model outputs version controlled and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.4.Q3   Are model software versions controlled, documented, and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.6.4.Q4   Are the databases of model inputs and outputs appropriately linked with each relevant electrical corporation database (assets, weather, vegetation)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.6.5 QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.6.5.Q1   Are risk reduction estimates assessed through subject matter expert review at least once per three-year WMP cycle?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.6.5.Q2   Are risk reductions from mitigation initiatives analyzed and compared with estimates and are these comparisons used to further enhance risk management processes?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.5.Q3   Are risk reduction estimates assessed through subject matter expert review at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.5.Q4   Does the electrical corporation engage with external stakeholders to provide risk reduction estimates for risk reduction measures which are planned for implementation at least once per three-year WMP cycle?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.6.5.Q5   Are risk reduction estimates assessed through subject matter expert review at least once per month?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.5.Q6   Does the electrical corporation engage with external stakeholders to provide risk reduction estimates for risk reduction measures which are planned for implementation at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.5.Q7   Are risk reductions from mitigation initiatives analyzed and compared with estimates in collaboration with external stakeholders (include other electrical corporations and government) and are these comparisons used to further enhance risk management processes?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.6.5.Q8   Does the electrical corporation engage with external stakeholders to report actual risk reductions achieved compared to original estimates and describe lessons learned and process enhancements to improve decision-making processes for risk reduction initiatives?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.6.6   Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

1.6.6.Q1   At what spatial granularity is the risk reduction of mitigation initiatives evaluated?

Date	>1 km (0)	<= 1 km (1)	<= 500 m (2)	<= 100 m (3)	<= 50 m (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

[ ]

1.6.7 Stability of assumptions

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

1.6.7.Q1 Are assumptions and limitations of the model(s) known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.7.Q2 Does the electrical corporation have an established process in place to develop and document changes to the model formulation in a development environment that is version controlled and independent from the production/deployed model?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.7.Q3 Are changes to model formulation planned for implementation during the year of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.6.7.Q4   Are changes to the model formulation evaluated using hindcast in the development environment?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.7.Q5   Are discrepancies between development and production versions of the model(s) quantified and statistically evaluated to demonstrate improved performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.7.Q6   Are changes to model formulation planned for implementation during the year after WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.6.7.Q7   Are changes to the model formulation used in the development environment in parallel with the existing production model during development of annual

WMP updates?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.7.Q8   Are validation results used to justify changes (or lack of changes) to modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.7.Q9   Are changes to model formulation developed during a previous year and planned for implementation in a future year (i.e., over a three-year spread)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

1.6.7.Q10   Do your annual model validation results indicate that no changes should be made to your modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

1.6.8 Validation

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

1.6.8.Q1   Is model substantiation provided in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

1.6.8.Q2   Are model verification and validation suites automated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.8.Q3   Are model verification and validation suites version controlled?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.8.Q4   Are model verification and validation suites reevaluated every time underlying data or models are updated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.8.Q5   Are discrepancies between production model and observed reality quantified and statistically evaluated to improve performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

1.6.8.Q6   Is annual blind model validation accomplished by analyzing model performance for the previous year based on the data available and assumptions made at the time of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

1.6.8.Q7   Are model verification and validation suites (data plus code) provided to the regulator for third-party review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

1.6.8.Q8   Model performance on each key metric demonstrates a systematic bias of what level?

Date	>= 20% (1)	<20% (2)	<10% (3)	<5% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

1.6.8.Q9   Model performance on each key metric demonstrates a standard deviation in error of what level?

Date	>= 40% (1)	<40% (2)	<20% (3)	<15% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

C. *Multi-criteria maturity level*

(Sub)section	Maturity Level			
	2023	**2024**	**2025**	**2026**
A. Ascending				
B. Tiered response				
Total. Validation				

Commentary on responses for this sub-capability may be provided below (not required):

1.6.9　　　Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation				
Comprehensiveness				
Frequency & risk buy-down				
IT infrastructure and database management				
QA/QC and subject matter expert verification				
Spatial granularity				
Stability of assumptions				
Validation				

1.7   Category scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Capability	Maturity Level				Limiting Areas
	2023	2024	2025	2026	
Statistical weather, climate, and wildfire modeling					
Calculation of wildfire and PSPS risk exposure for societal values					
Calculation of community vulnerability to wildfire and PSPS					
Calculation of risk and risk components					
Risk event tracking and integration of lessons learned					
Risk-informed wildfire mitigation strategy					

2   Category B. Situational Awareness and Forecasting

2.1   Capability 7. Ignition likelihood estimation

2.1.1   Automation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.1.1.Q1   Is the ignition likelihood estimation linked to deterministic weather forecasts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.1.Q2   Is the ignition likelihood estimation linked to the electrical corporation risk model?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.1.1.Q3   Is integration of weather data and forecasts into the ignition likelihood model automated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.1.Q4   Is integration of grid performance data and forecasts into the ignition likelihood model automated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.1.Q5   Is integration of vegetative fuel moisture forecasts into the ignition likelihood model automated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.1.Q6   Is the ignition likelihood estimation linked to ensemble weather forecasts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.1.Q7   Is the ignition likelihood estimation linked to a probabilistic real-time risk model?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.1.1.Q8   Is integration of equipment condition data into the ignition likelihood model automated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.1.Q9   Are discrepancies between ignition likelihood estimates and observations automatically identified, documented, and sent to subject matter experts for review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.1.1.Q10   Are discrepancies between forecasts and observations automatically integrated into the predictive model to improve future performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.1.2   Comprehensiveness

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.1.2.Q1   Does the electrical corporation ignition likelihood estimation consider each type of equipment operation/failure, vegetation contact, and object contact specified in Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.2.Q2   Do the electrical corporation ignition likelihood model inputs include basic equipment data including type (including differentiation for the presence of mitigation such as covered conductors, vibration dampers, etc.), equipment age, and equipment maintenance history?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.2.Q3   Do the electrical corporation ignition likelihood model inputs include basic operations data including presence of automatic de-energization systems, time since most recent inspection of equipment, presence of open work requests, and spark generation rates from normal operations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.2.Q4   Do the electrical corporation ignition likelihood model inputs include basic weather data including air temperature, relative humidity, wind velocity (speed and direction)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.2.Q5   Do electrical corporation ignition likelihood model inputs include basic vegetation data including type of potential contact, vegetation species, time since most recent vegetation inspection, and seasonal fuel moisture content?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.2.Q6   Do the electrical corporation ignition likelihood model outputs include equipment likelihood of ignition?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.2.Q7   Do the electrical corporation ignition likelihood model outputs include contact from vegetation likelihood of ignition?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.2.Q8   Do the electrical corporation ignition likelihood model outputs include contact from object likelihood of ignition?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.1.2.Q9   Do the electrical corporation ignition likelihood model inputs include equipment performance indicators including long-term trends in inspection and maintenance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.1.2.Q10   Do the electrical corporation ignition likelihood model inputs include grid performance indicators including faults, failures, and recloser de-energizations throughout the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.2.Q11   Do the electrical corporation ignition likelihood model inputs include recent trends in fuel moisture?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.2.Q12   Do the electrical corporation ignition likelihood model inputs include long-

term grid health trends at the asset resolution?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.2.Q13   Do the electrical corporation ignition likelihood model outputs include ignition from human activity?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.1.2.Q14   Do the electrical corporation ignition likelihood model inputs include height of equipment lines in the HFTD and weather data at the height of individual lines?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.1.3 IT infrastructure and database management

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.1.3.Q1 Does electrical corporation database management meet the minimum Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.3.Q2 Are ignition likelihood model inputs version controlled and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.3.Q3 Are ignition likelihood model outputs version controlled and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.3.Q4 Are ignition likelihood model software versions controlled, documented, and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following

question(s) is **NO**, the maturity in this sub-capability is 2.

2.1.3.Q5   Are ignition likelihood model databases of inputs and outputs appropriately linked with each relevant electrical corporation database (assets, weather, vegetation)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.1.4   Learning and continuous improvement

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.1.4.Q1   Does the electrical corporation have a clearly defined operational process in place to track discrepancies between model predictions and observed behavior during annual planning?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.4.Q2   Does the electrical corporation have a clearly defined process to track and adjudicate comments from stakeholders on modeling efforts which are recorded and shared in a consistent format?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.1.4.Q3   Does the electrical corporation participate in task groups focused on sharing and improving best practices including participation by industry, government, and academic institutions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.1.4.Q4   Does the electrical corporation fund and participate in both independent and collaborative research that focuses on improving its understanding of best practices?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.1.5 Modularization

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.1.5.Q1 Is the electrical corporation model software modular, with sub-modules which can be replaced to evaluate the impact of different assumptions on the results?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.5.Q2 Does the electrical corporation modeling software include a module for impact(s) of vegetation characteristics?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.5.Q3 Does the electrical corporation modeling software include a module for impact(s) of weather conditions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.5.Q4   Does the electrical corporation modeling software include a module for impact(s) of equipment characteristics?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.5.Q5   Has the electrical corporation established internal processes and procedures to evaluate the quality of ignition likelihood calculations on at least an annual basis?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.1.5.Q6   Does the electrical corporation modeling software include a module for impact(s) of long-term climate change?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.5.Q7   Does the electrical corporation regularly submit its ignition likelihood calculations to independent third-party review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.1.5.Q8 Does the electrical corporation modeling software include a module for impact(s) of weather on seasonal vegetation moisture?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.5.Q9 Does the electrical corporation benchmark ignition likelihood data with other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.1.5.Q10 Does the electrical corporation modeling software include a module for impact(s) of weather on seasonal vegetation growth cycle?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

2.1.6 Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.
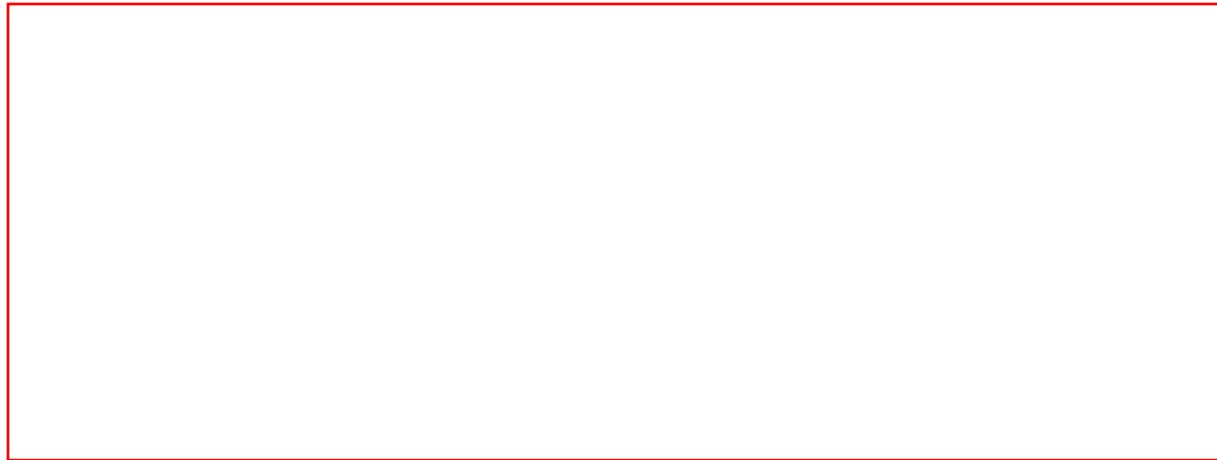
2.1.6.Q1   At what spatial granularity is ignition likelihood evaluated in HFTD Tiers 2 and 3?

Date	Regional level (0)	Circuit level (1)	Circuit segment level (2)	Span level (3)	Asset level (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

2.1.6.Q2   At what spatial granularity is ignition likelihood evaluated in the service territory outside the HFTD?

Date	Regional level (2)	Circuit level (2)	Circuit segment level (3)	Span level (4)	Asset level (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

2.1.7 Stability of assumptions

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.1.7.Q1 Are assumptions and limitations of the model(s) known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.7.Q2 Are changes to model formulation planned for implementation during the year of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.7.Q3 Does the electrical corporation have an established process in place to develop and document changes to the model formulation in a development environment that is version controlled and independent from the production/deployed model?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.1.7.Q4   Are changes to model formulation evaluated using hindcast in the development environment?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.7.Q5   Are discrepancies between development and production versions of the model(s) quantified and statistically evaluated to demonstrate improved performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.1.7.Q6   Are changes to the model formulation used in the development environment in parallel with the existing production model during development of annual WMP updates?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.7.Q7   Are changes to model formulation developed during a previous year and

planned for implementation in a future year (i.e., over a three-year spread)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.7.Q8   Are validation results used to justify changes (or lack of changes) to modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.1.7.Q9   Do your annual model validation results indicate that no changes should be made to your modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.1.8 Transparency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.1.8.Q1 Does the electrical corporation share data and methods in a manner that meets the minimum Energy Safety reporting requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.1.8.Q2 Is a statistical summary of data and model performance provided to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.8.Q3 Are model technical, verification, and validation documentation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.1.8.Q4 Does the electrical corporation share relevant nonspatial and geospatial data with the community?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.1.8.Q5   Are model software, source code, and data for verification and validation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.1.9   Validation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.1.9.Q1   Is the statistical uncertainty in model outputs known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.9.Q2   Is the sensitivity of model output predictions to uncertainty in each input parameter known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.1.9.Q3   Is the inherent uncertainty in predictions due to model limitations known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.9.Q4   Is the sensitivity of downstream models to uncertainty in modeling known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.9.Q5   Does the electrical corporation justify the design percentiles used in model predictions to evaluate downstream models and decision-making processes in the WMP?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.1.9.Q6   Is the uncertainty in measurements used in model validation known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.9.Q7   Does the electrical corporation evaluate model predictions at an 84th design percentile to evaluate downstream models and decision-making processes?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.1.9.Q8   Does the electrical corporation evaluate model predictions at a 97.5th design percentile to evaluate downstream models and decision-making processes?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.9.Q9   Is uncertainty propagation analytically calculated and presented using standard methods such as Bayesian inference and uncertainty quantification?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

2.1.10 Validation & documentation and disclosures

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

2.1.10.Q1   Is model substantiation provided in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.1.10.Q2   Are model verification and validation suites automated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.10.Q3   Are model verification and validation suites version controlled?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.10.Q4   Are model verification and validation suites reevaluated every time underlying data or models are updated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.10.Q5   Are discrepancies between production model and observations quantified, statistically evaluated, and used to inform performance improvements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.1.10.Q6   Is annual blind model validation accomplished by analyzing model performance for the previous year based on the data available and assumptions made at the time of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following

question(s) is **NO**, the maturity in this sub-capability is 2.

2.1.10.Q7   Are model verification and validation suites (data plus code) provided to the regulator for third-party review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

2.1.10.Q8   Model performance on each key metric demonstrates a systematic bias of what level?

Date	>= 20% (1)	<20% (2)	<10% (3)	<5% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

2.1.10.Q9   Model performance on each key metric demonstrates a standard deviation in error of what level?

Date	>= 40% (1)	<40% (2)	<20% (3)	<15% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	**2024**	**2025**	**2026**
A. Ascending				
B. Tiered response				
Total. Validation & documentation and disclosures				

Commentary on responses for this sub-capability may be provided below (not required):

2.1.11   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation				
Comprehensiveness				
IT infrastructure and database management				
Learning and continuous improvement				
Modularization				
Spatial granularity				
Stability of assumptions				
Transparency				
Validation				
Validation & documentation and disclosures				

2.2   Capability 8. Weather forecasting ability

2.2.1   Automation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.2.1.Q1   Are medium-term weather forecasts (i.e., approximately three to seven days' time horizon) automatically generated or used?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.2.1.Q2   Are discrepancies between forecasts and observations automatically identified, documented, and sent to subject matter experts for review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.2.1.Q3   Are discrepancies between forecasts and observations automatically integrated into the predictive model to improve future performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

2.2.2 Comprehensiveness

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.2.2.Q1 Do electrical corporation medium-term weather forecasts align with the minimum Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.2.Q2 Does the electrical corporation use at least a three-day forecast horizon in its medium-term weather forecasting?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.2.Q3 Do the electrical corporation weather forecasting model inputs include local topography?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.2.Q4 Do the electrical corporation weather forecasting model inputs include land cover / land use type?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.2.Q5 Do the electrical corporation weather forecasting model inputs include solar radiation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.2.Q6 Do the electrical corporation weather forecasting model outputs include barometric pressure?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.2.Q7 Do the electrical corporation weather forecasting model outputs include wind velocity (both speed and direction)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.2.Q8 Do the electrical corporation weather forecasting model outputs include air

temperature?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.2.Q9   Do the electrical corporation weather forecasting model outputs include relative humidity?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.2.2.Q10   Does the electrical corporation use at least a five-day forecast horizon in its medium-term weather forecasting?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.2.Q11   Do the electrical corporation weather forecasting model inputs include synoptic scale patterns?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.2.2.Q12   Does the electrical corporation use at least a seven-day forecast horizon in its medium-term weather forecasting?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.2.Q13   Do the electrical corporation weather forecasting model inputs include mesoscale patterns?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.2.Q14   Do the electrical corporation weather forecasting model outputs include vegetation moisture content?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.2.Q15   Do the electrical corporation weather forecasting model outputs include air quality impacts from smoke?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.2.2.Q16   Does the electrical corporation use at least a 10-day forecast horizon in its medium-term weather forecasting?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.2.3   Frequency

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

2.2.3.Q1   At what frequency is data assimilation performed?

Date	>12 hours (0)	<12 hours (1)	<6 hours (2)	<4 hours (3)	<2 hours (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

2.2.4   IT infrastructure and database management

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.2.4.Q1   Does electrical corporation database management meet the minimum Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.4.Q2   Are model inputs version controlled and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.4.Q3   Are model outputs version controlled and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.4.Q4   Are model software versions controlled, documented, and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.2.4.Q5   Are the electrical corporation databases of model inputs and outputs linked with each relevant electrical corporation database (assets, weather, vegetation)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.2.5   Level of sophistication

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Cumulative

Maturity in this subsection is equal to the sum of the quantity of questions answered **YES.**

2.2.5.Q1   Inherent uncertainty is quantified for air temperature predictions as a function of positive lead time?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.5.Q2   Inherent uncertainty is quantified for wind speed and direction predictions as a function of positive lead time?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.5.Q3   Inherent uncertainty is quantified for precipitation predictions as a function of positive lead time?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.5.Q4   Inherent uncertainty is quantified for relative humidity predictions as a function of positive lead time?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

B. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

2.2.5.Q5   Does the electrical corporation weather forecasting generate an ensemble forecast (using varying initial conditions in which one is the control forecast) with at least 10 forecasts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this subsection is 1.

2.2.5.Q6   Does the electrical corporation weather forecasting generate an ensemble forecast (using varying initial conditions in which one is the control forecast) with at least 30 forecasts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this subsection is 2.

2.2.5.Q7   Does the electrical corporation weather forecasting generate an ensemble forecast (using varying initial conditions in which one is the control forecast) with at least 51 forecasts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Cumulative				
B. Ascending				
Total. Level of sophistication				

Commentary on responses for this sub-capability may be provided below (not required):

2.2.6 Modularization

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.2.6.Q1   Is the electrical corporation model software modular, with sub-modules which can be replaced to evaluate the impact of different assumptions on the results?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.6.Q2   Does the electrical corporation modeling software include a module for impact(s) of weather conditions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.6.Q3   Does the electrical corporation modeling software include a module for impact(s) of local vegetation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.6.Q4   Is the accuracy of weather forecasting assessed through comparison with nearby electrical corporation owned and publicly available data in hindcast?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.6.Q5   Do subject matter experts review weather forecasts at least once per month?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.2.6.Q6   Does the electrical corporation modeling software include a module for impact(s) of climate change on weather?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.6.Q7   Does the electrical corporation modeling software include a module for impact(s) of weather on vegetation moisture?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.6.Q8   Does the electrical corporation modeling software include a module for impact(s) of weather on seasonal vegetation growth cycle?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.6.Q9   Do subject matter experts review weather forecasts at least twice per month?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.6.Q10   Is the accuracy of weather forecasting assessed in near-real-time through regular comparison of weather forecasts with available data?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.2.6.Q11   Does the electrical corporation modeling software include a module for impact(s) of synoptic scale weather?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.6.Q12   Does the electrical corporation modeling software include a module for impact(s) of mesoscale weather?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.6.Q13   Are weather forecasts benchmarked with those of other electrical corporations and government agencies?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.6.Q14   Do subject matter experts review weather forecasts at least weekly?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.2.6.Q15   Does the electrical corporation modeling software include a module for impact(s) of large eddy scale weather?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.6.Q16   Do subject matter experts review weather forecasts at least daily?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.6.Q17   Are historical discrepancies between weather forecasts and observations in similar conditions synthesized and used to analyze the expected quality of current forecasts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.2.7 Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

2.2.7.Q1   Weather forecasts are evaluated at what horizontal resolution outside the HFTD?

Date	>4 km (0)	<= 4 km (1)	<= 2 km (4)	<= 1 km (4)	<= 100 m (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

2.2.7.Q2   Vertical resolution of weather forecasting model is sufficient to evaluate conditions at what granularity outside the HFTD?

Date	Regional level (0)	Average conditions at measured locations in the service territory (1)	Average height of lines on a circuit (4)	Average height of lines on a span (4)	Average height of individual lines (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

2.2.7.Q3   Weather forecasts are evaluated at what horizontal resolution in HFTD Tiers 2 and 3?

Date	>1 km (2)	<= 1 km (3)	<= 100 m (4)
Jan. 1, 2023:			
Jan. 1, 2024:			
Jan. 1, 2025:			
Jan. 1, 2026:			

2.2.7.Q4   Vertical resolution of weather forecasting model is sufficient to evaluate conditions in HFTD Tier 2 and 3 at what granularity?

Date	Regional level (0)	Average conditions at measured locations in the service territory (1)	Average height of lines on a circuit (2)	Average height of lines on a span (3)	Average height of individual lines (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

2.2.8   Stability of assumptions

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.2.8.Q1   Are assumptions and limitations of the model(s) known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.8.Q2   Are changes to model formulation planned for implementation during the year of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.8.Q3   Does the electrical corporation have an established process in place to develop and document changes to the model formulation in a development environment that is version controlled and independent from the production/deployed model?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.2.8.Q4   Are changes to model formulation planned for implementation during the year after WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.8.Q5   Are changes to the model formulation evaluated using hindcast in the development environment?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.8.Q6   Are discrepancies between development and production versions of the model(s) quantified and statistically evaluated to demonstrate improved performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.2.8.Q7   Are changes to model formulation developed during a previous year and planned for implementation in a future year (i.e., over a three-year spread)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.8.Q8   Are changes to the model formulation used in the development environment in parallel with the existing production model during development of annual WMP updates?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.8.Q9   Are validation results used to justify changes (or lack of changes) to modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.2.8.Q10   Do your annual model validation results indicate that no changes should be made to your modeling assumptions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.2.9   Transparency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.2.9.Q1   Does the electrical corporation meet the minimum data and method Energy Safety reporting requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.2.9.Q2   Is a statistical summary of data and model performance provided to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.9.Q3   Is model technical documentation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.2.9.Q4   Are model verification and validation documentation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.9.Q5   Does the electrical corporation share relevant nonspatial and geospatial data with the community?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.2.9.Q6   Are model software, source code, and data for verification and validation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.2.10   Validation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.2.10.Q1   Is the statistical uncertainty in model outputs known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.2.10.Q2   Is the sensitivity of downstream models to uncertainty in modeling known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.10.Q3   Is the inherent uncertainty in predictions due to model limitations known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.10.Q4   Is the sensitivity of model output predictions to uncertainty in each input parameter known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.2.10.Q5   Is the uncertainty in measurements used in model validation known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.2.10.Q6   Is uncertainty propagation analytically calculated and presented using standard methods such as Bayesian inference and uncertainty quantification?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.2.11   Validation & documentation and disclosures

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

2.2.11.Q1   Is model substantiation provided in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.2.11.Q2   Are model verification and validation suites automated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.11.Q3   Are model verification and validation suites version controlled?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.11.Q4   Are model verification and validation suites reevaluated every time underlying data or models are updated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.11.Q5   Are discrepancies between production model and observed reality quantified and statistically evaluated to improve performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.11.Q6   Are discrepancies between production model and observations quantified, statistically evaluated, and used to inform performance improvements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.2.11.Q7   Is annual blind model validation accomplished by analyzing model performance for the previous year based on the data available and assumptions made at the time of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.2.11.Q8   Are model verification and validation suites (data plus code) provided to the regulator for third-party review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

2.2.11.Q9   Model performance on each key metric demonstrates a systematic bias of what level?

Date	>= 20% (1)	<20% (2)	<10% (3)	<5% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

2.2.11.Q10   Model performance on each key metric demonstrates a standard deviation in error of what level?

Date	>= 40% (1)	<40% (2)	<20% (3)	<15% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Ascending				
B. Tiered response				
Total. Validation & documentation and disclosures				

Commentary on responses for this sub-capability may be provided below (not required):

2.2.12   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation				
Comprehensiveness				
Frequency				
IT infrastructure and database management				
Level of sophistication				
Modularization				
Spatial granularity				
Stability of assumptions				
Transparency				
Validation				
Validation & documentation and disclosures				

2.3 Capability 9. Wildfire spread forecasting

2.3.1 Automation & frequency

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-c**.

A. Cumulative

Maturity in this subsection is equal to the sum of the quantity of questions answered **YES.**

2.3.1.Q1 Is wildfire spread forecasting automatically integrated with decision-making policies and procedures?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.1.Q2 Is wildfire spread forecasting automatically integrated with PSPS decision-making processes?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.1.Q3 Is wildfire spread forecasting automatically integrated with notification with external government agencies?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.1.Q4 Is wildfire spread forecasting automatically integrated with notification with the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

B. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

2.3.1.Q5   Is wildfire spread forecasting conducted in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.1.Q6   Is a Fire potential Index (FPI) calculated in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.1.Q7   Are wildfire spread forecasts conducted whenever real-time risk conditions exceed the 90th percentile of design conditions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this subsection is 1.

2.3.1.Q8   Are wildfire spread forecasts conducted whenever real-time risk conditions

exceed the 80th percentile of design conditions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this subsection is 2.

2.3.1.Q9   Are wildfire spread forecasts conducted whenever real-time risk conditions exceed the 70th percentile of design conditions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.1.Q10   Are discrepancies between wildfire spread forecasts and observations automatically identified, documented, and sent to subject matter experts for review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this subsection is 3.

2.3.1.Q11   Are wildfire spread forecasts conducted whenever real-time risk conditions exceed the 60th percentile of design conditions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.1.Q12   Are discrepancies automatically integrated into the predictive model to improve

future performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

2.3.1.Q13   [Question Removed; April 24, 2023, revision]

C. *Multi-criteria maturity level*

(Sub)section	Maturity Level			
	2023	**2024**	**2025**	**2026**
A. Cumulative				
B. Ascending				
Total. Automation and frequency				

Commentary on responses for this sub-capability may be provided below (not required):

2.3.2 Comprehensiveness

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.3.2.Q1 Does the electrical corporation forecast wildfire spread in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.2.Q2 Do the electrical corporation wildfire spread model inputs include local topography?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.2.Q3 Do the electrical corporation wildfire spread model inputs include local vegetation type?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.2.Q4 Do the electrical corporation wildfire spread model inputs include local vegetation moisture?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.2.Q5 Does the electrical corporation wildfire spread model generate forecasts with a time horizon of at least 8 hours?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.2.Q6   Do the electrical corporation wildfire spread model outputs include fire arrival times / fire perimeter?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.2.Q7   Do the electrical corporation wildfire spread model outputs include fire intensity?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.3.2.Q8   Does the electrical corporation wildfire spread model generate forecasts with a time horizon of at least 12 hours?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.3.2.Q9   Do the electrical corporation wildfire spread model inputs include ensemble weather forecasts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.2.Q10   Does the electrical corporation wildfire spread model generate forecasts with a time horizon of at least 24 hours?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.3.2.Q11   Do the electrical corporation wildfire spread model inputs include suppression likelihood?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.2.Q12   Does the electrical corporation wildfire spread model generate forecasts with a time horizon of at least 48 hours?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.2.Q13   Do the electrical corporation wildfire spread model outputs include air quality impacts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

2.3.2.Q14   [Question Removed; April 24, 2023, revision]

Commentary on responses for this sub-capability may be provided below (not required):

2.3.3   IT infrastructure and database management

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.3.3.Q1   Are model inputs and outputs maintained in the electrical corporation database(s) with the model and data versions documented and maintained?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.3.Q2   Are model inputs version controlled and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.3.Q3   Are model outputs version controlled and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.3.Q4   Are model software versions controlled, documented, and maintained in the electrical corporation database(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.3.3.Q5   Are database(s) of model inputs and outputs appropriately linked with each relevant electrical corporation database (assets, weather, vegetation, etc.)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

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2.3.4 Level of sophistication

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

2.3.4.Q1 How long of a historic weather history is used to determine Fire Potential Index?

Date	<= 10 years (0)	<= 20 years (0)	<= 30 years (4)	<= 40 years (4)	<= 50 years (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

2.3.4.Q2 In what way are weather and wildfire spread forecasts integrated?

Date	Spatially varying wind maps are not used in detailed wildfire spread forecasting (0)	Mass consistent steady-state wind maps are used in detailed wildfire spread forecasting (1)	Weather forecasts are used in wildfire spread forecasts (2)	Weather and wildfire spread forecasts are calculated together through a two-way coupled approach (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

2.3.4.Q3 Wildfire spread forecasting is calculated using what type of model?

Date	A purely statistical model (0)	An empirical or phenomenological model (3)	A physics-based or physics-informed model (4)
Jan. 1, 2023:			
Jan. 1, 2024:			
Jan. 1, 2025:			
Jan. 1, 2026:			

Commentary on responses for this sub-capability may be provided below (not required):

2.3.5   Modularization

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.3.5.Q1   Is the electrical corporation model software modular, with sub-modules which can be replaced to evaluate the impact of different assumptions on the results?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.5.Q2   Does the electrical corporation modeling software include a module for weather forecasting?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.5.Q3   Does the electrical corporation modeling software include a module for fire behavior forecasting?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.5.Q4   Is the accuracy of wildfire spread forecasting assessed through comparison with nearby electrical corporation owned and publicly available data in hindcast?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.5.Q5   Are wildfire spread forecasts assessed through subject matter expert review at least once per quarter during fire season?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.3.5.Q6   Does the electrical corporation modeling software include a module for impact(s) of weather on seasonal vegetation moisture?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.5.Q7　　　Are wildfire spread forecasts assessed through subject matter expert review at least monthly during fire season?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.5.Q8　　　Is the accuracy of wildfire spread forecasts assessed in near-real-time through regular comparison of wildfire spread forecasts with available data?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.3.5.Q9　　　Does the electrical corporation modeling software include a module for synoptic scale weather?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.5.Q10　　　Does the electrical corporation modeling software include a module for mesoscale weather?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.5.Q11   Are wildfire spread forecasts assessed through subject matter expert review at least once per week during fire season?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.5.Q12   Does the electrical corporation benchmark wildfire spread forecasts with those of other electrical corporations and government agencies?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.3.5.Q13   Does the electrical corporation modeling software include a module for large eddy scale weather?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.5.Q14   Are wildfire spread forecasts assessed through subject matter expert review at least daily during fire season?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.5.Q15   Are historical discrepancies between weather forecasts and observations in similar conditions synthesized and used to analyze the expected quality of current forecasts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.3.6   Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

2.3.6.Q1   [Question Removed; April 24, 2023, revision]

2.3.6.Q2   Wildfire forecasting is evaluated at what horizontal resolution?

Date	>1 km (0)	<= 1 km (1)	<= 100 m (2)	<= 30 m (3)	<= 10 m (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

2.3.7   Transparency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.3.7.Q1   Does the electrical corporation share model data and methods in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.3.7.Q2   Is a statistical summary of data and model performance provided to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.7.Q3   Is model technical documentation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.3.7.Q4   Does the electrical corporation share relevant nonspatial and geospatial data with the community?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.3.7.Q5   Are model software, source code, and data for verification and validation available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

2.3.8   Validation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.3.8.Q1   Is the statistical uncertainty in model outputs known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.8.Q2   Does the electrical corporation quantify confidence intervals used in model predictions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.3.8.Q3   Is the sensitivity of downstream models to uncertainty in modeling known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.8.Q4   Is the inherent uncertainty in predictions due to model limitations known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.8.Q5   Is the sensitivity of model output predictions to uncertainty in each input parameter known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.8.Q6   Does the electrical corporation meet a confidence level of 60% for model predictions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.3.8.Q7   Is the uncertainty in measurements used in model validation known and documented?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.8.Q8   Does the electrical corporation meet a confidence level of 84% for model predictions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.3.8.Q9   Does the electrical corporation meet a confidence level of 97.5% for model predictions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.8.Q10   Is uncertainty propagation analytically calculated and presented using standard methods such as Bayesian inference and uncertainty quantification?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.3.9   Validation & documentation and disclosures

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

2.3.9.Q1   Is model substantiation provided in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.3.9.Q2   Are model verification and validation suites automated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.9.Q3   Are model verification and validation suites version controlled?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.9.Q4   Are model verification and validation suites reevaluated every time underlying data or models are updated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.9.Q5   Are discrepancies between production model and observations quantified, statistically evaluated, and used to inform performance improvements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.3.9.Q6   Is annual blind model validation accomplished by analyzing model performance for the previous year based on the data available and assumptions made at the time of WMP submission?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.3.9.Q7   Are model verification and validation suites (data plus code) provided to the regulator for third-party review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

2.3.9.Q8   Model performance on each key metric demonstrates a systematic bias of what level?

Date	>= 20% (1)	<20% (2)	<10% (3)	<5% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

2.3.9.Q9   Model performance on each key metric demonstrates a standard deviation in error of what level?

Date	>= 40% (1)	<40% (2)	<20% (3)	<15% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026

A. Ascending				
B. Tiered response				
Total. Validation & documentation and disclosures				

Commentary on responses for this sub-capability may be provided below (not required):

2.3.10   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation and frequency				
Comprehensiveness				
IT infrastructure and database management				
Level of sophistication				
Modularization				
Spatial granularity				
Transparency				
Validation				
Validation & documentation and disclosures				

2.4 Capability 10. Data collection for near-real-time conditions

2.4.1 Automation

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Cumulative

Maturity in this subsection is equal to the sum of the quantity of questions answered **YES.**

2.4.1.Q1   Is weather data collected automatically integrated into relevant models and/or decision-making tools?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.4.1.Q2   Is grid performance data collected automatically integrated into relevant models and/or decision-making tools?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.4.1.Q3   Is vegetative fuel data collected automatically integrated into relevant models and/or decision-making tools?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.4.1.Q4   Is equipment condition data collected automatically integrated into relevant models and/or decision-making tools?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

B. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

2.4.1.Q5   Are data collected on weather, grid performance, and vegetative fuel linked to relevant models and/or decision-making tools, such as weather forecasting and short-term risk modeling?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this subsection is 2.

2.4.1.Q6   Are collected data linked to ensemble weather forecasts and resulting probabilistic real-time risk model?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Cumulative				
B. Ascending				
Total. Automation				

Commentary on responses for this sub-capability may be provided below (not required):

2.4.2   Frequency

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

2.4.2.Q1   At what frequency is measured data collected?

Date	<hourly (0)	>= hourly (1)	>= 4 times per hour (2)	>= 60 times per hour (3)	>= 3600 times per hour (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

2.4.3 Learning and continuous improvement & QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.4.3.Q1 Does the electrical corporation have a clearly defined operational process in place to track discrepancies between current data collections and historic observations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.4.3.Q2 Does the electrical corporation have a clearly defined process to inform models based on data collected?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.4.3.Q3 Is data quality assessed through subject matter expert review at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.4.3.Q4   Is data quality assessed through subject matter expert review at least once per quarter?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.4.3.Q5   Is data quality assessed through subject matter expert review at least once per month?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.4.3.Q6   Does the electrical corporation participate in task groups focused on sharing and improving best practices including participation by industry, government, and academic institutions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.4.3.Q7   Is data quality assessed through subject matter expert review at least once per week?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.4.3.Q8   Does the electrical corporation benchmark data collected with other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.4.4   Level of sophistication

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.4.4.Q1   Does collected data include air temperature, relative humidity, and wind velocity (speed and direction)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.4.4.Q2   Does collected data include grid performance data including faults, failures, and recloser de-energizations throughout the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.4.4.Q3   Does collected data include vegetation type and seasonal trends in fuel moisture?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.4.4.Q4   Does collected data include equipment inspection and maintenance trends for individual circuits?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.4.4.Q5   Does collected data include intermittent collection (minimum frequency of once per month during fire season) of additional weather-related parameters such as fuel moisture content within the HFTD?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.4.4.Q6   Does collected data include long-term grid health trends at the asset-resolution using historic data?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.4.4.Q7   Does collected data include height of equipment lines in HFTD Tiers 2 and 3 for purposes of modeling weather conditions at the height individual lines?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

2.4.5   Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

2.4.5.Q1   Collected data allows for validation of statistical weather and weather forecasting at what horizontal resolution?

Date	>4 km (0)	<= 4 km (1)	<= 2 km (2)	<= 1 km (3)	<= 100 m (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

2.4.6   Transparency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.4.6.Q1   Does the electrical corporation meet the Energy Safety minimum data and method reporting requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.4.6.Q2   Is a statistical summary of data provided to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.4.6.Q3   Is technical documentation of data collection methods available to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.4.6.Q4   Does the electrical corporation share relevant nonspatial and geospatial data with the community?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

2.4.7   Validation & documentation and disclosures

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.4.7.Q1   Is the statistical uncertainty in data collection known and documented in accordance with Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.4.8   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation				
Frequency				
Learning and continuous improvement & QA/QC and subject matter expert verification				
Level of sophistication				
Spatial granularity				
Transparency				
Validation & documentation and disclosures				

2.5 Capability 11. Wildfire detection and alarm systems

2.5.1 Automation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.5.1.Q1 Does the electrical corporation use computer automation software to process signals received from individual sensors?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.5.1.Q2 Does the electrical corporation use computer automation software to process signals received from multiple sensors / combinations of sensors?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.5.1.Q3 Does the electrical corporation employ algorithms to aggregate signals received from multiple sensors?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.5.1.Q4 Does automation software compile sensor data?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.5.2   Documentation and disclosures

Maturity in this sub-capability is equal to the sum of the quantity of questions answered **YES**.

2.5.2.Q1   Does the electrical corporation provide detailed documentation for its wildfire detection methods?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.5.2.Q2   Does the electrical corporation provide detailed documentation for its detection technologies?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.5.2.Q3   Does the electrical corporation provide detailed documentation for its distribution of detection technologies?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.5.2.Q4   Does the electrical corporation provide detailed documentation for its wildfire confirmation strategies?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

Commentary on responses for this sub-capability may be provided below (not required):

2.5.3   Frequency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.5.3.Q1   Do sensors automatically report status?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.5.3.Q2   Do sensors continually report status to controllers at prescribed intervals?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.5.3.Q3   Do controllers report sensor status to receivers at the central monitoring facility?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

2.5.4   Learning and continuous improvement

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.5.4.Q1   Does the electrical corporation have clearly defined operational processes and procedures in place to integrate lessons learned from risk events to improve the capabilities of its fire detection and alarm systems?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.5.4.Q2   Does the electrical corporation have a clearly defined process to track and adjudicate comments from stakeholders on the lessons learned from risk events and the associated corrective action program?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.5.4.Q3   Does the electrical corporation participate in task groups focused on sharing and improving best practices including participation by industry, government, and academic institutions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.5.4.Q4   Does the electrical corporation fund and participate in both independent and collaborative research that focuses on improving its understanding of best

practices?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.5.5 Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

2.5.5.Q1 In high fire risk areas, how densely are sensors spaced?

Date	Sensors are not located within high fire risk areas (0)	Sensors are deployed with gaps between coverage (1)	Sensors are spaced at 100% of the maximum distance of sensitivity with no overlap between sensors (2)	Sensors are spaced at <= 50% of the maximum distance of sensitivity with no overlap between sensors (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

Commentary on responses for this sub-capability may be provided below (not required):

2.5.6 Validation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.5.6.Q1   Does the electrical corporation provide detailed documentation regarding sensor technology deployed for ignition detection and wildfire confirmation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.5.6.Q2   Are results of sensor and system capability testing provided for review?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.5.6.Q3   Does each circuit in the grid have at least one sensor technology installed to detect an ignition?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.5.6.Q4   Does each circuit in the grid have at least two sensor technologies installed to detect an ignition?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.5.6.Q5   Are sensors deployed on each circuit with automatic verification?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.5.7　　Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation				
Documentation and disclosures				
Frequency				
Learning and continuous improvement				
Spatial granularity				
Validation				

2.6 Capability 12. Centralized monitoring of real-time conditions

2.6.1 Automation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.6.1.Q1   Does the electrical corporation use computer software to identify relevant staff of identified faults and wildfires?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.6.2 Documentation and disclosures

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.6.2.Q1   Does the electrical corporation provide documentation on its facility operational guidelines and location?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.6.2.Q2   Does the electrical corporation provide documentation on its staff hiring, training, and certification processes?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.6.2.Q3   Does the electrical corporation provide documentation on frequency of drills, simulations, and exercises?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.6.2.Q4   Does the electrical corporation provide documentation on its organizational chart?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

2.6.2.Q5   Does the electrical corporation provide documentation on ability to act as an

emergency operations center during wildfires events?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.6.3   Level of sophistication

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.6.3.Q1   Does the electrical corporation maintain documentation on the construction of electrical corporation-operated buildings?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.6.3.Q2   Does the electrical corporation maintain redundancy in all critical systems (e.g., critical power, lighting, communications, and life-safety operations)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.6.3.Q3   Does the electrical corporation provide access to documentation to authorized external agencies (e.g., Energy Safety, US Department of Homeland Security, etc.) when required?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.6.3.Q4   Does the electrical corporation maintain operational and physical security measures in its centralized monitoring station?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

2.6.4   Standardized processes

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.6.4.Q1   Does the electrical corporation own its central monitoring station?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.6.4.Q2   Does the central monitoring station provide wildfire detection services through either operator interpretation of sensor data or automated algorithms/software?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

2.6.4.Q3   Does the central monitoring station provide wildfire detection services through automated algorithms/software?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.6.4.Q4   [Question removed; February 21, 2023, revision]

2.6.4.Q5   Is sensor data aggregated with near-real-time weather monitoring, grid diagnostics, wildfire detection and alarm systems, as well as other analytical models (e.g., weather forecasting, wildfire spread modeling) to evaluate the ongoing risk for emergency management decision-making processes?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.6.5   Transparency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

2.6.5.Q1   Does the electrical corporation share facility guidelines with industry partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

2.6.5.Q2   Does the electrical corporation share facility guidelines with the public and accept recommendations for revisions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

2.6.5.Q3   Does the electrical corporation accept recommendations for revisions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

2.6.6   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation				
Documentation and disclosures				
Level of sophistication				
Standardized processes				
Transparency				

2.7 Category scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Capability	Maturity Level				Limiting Areas
	2023	2024	2025	2026	
Ignition likelihood estimation					
Weather forecasting ability					
Wildfire spread forecasting					
Data collection for near-real-time conditions					
Wildfire detection and alarm systems					
Centralized monitoring of real-time conditions					

3 Category C. Grid Design, Inspections, and Maintenance

3.1 Capability 13. Asset inventory and condition database

3.1.1 Frequency

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 3 if the answer to **any** of the following question(s) is **NO**.

3.1.1.Q1 Are asset inspection findings verified through QA/QC process within one day of the inspection?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

3.1.1.Q2 At what frequency is the database updated?

Date	Never (0)	Annually (1)	Monthly (2)	Weekly (3)	Daily (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

3.1.1.Q3   How frequently are asset inspection findings incorporated into the database?

Date	Never (0)	Within 2 weeks of the inspection (1)	Within 1 week of the inspection (2)	Within 1 day of the inspection (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Ascending				
B. Tiered response				
Total. Frequency				

Commentary on responses for this sub-capability may be provided below (not required):

3.1.2 Level of sophistication

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

3.1.2.Q1   Does the database contain name, lifespan, age, voltage, and inspection finding history for each equipment within the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.1.2.Q2   Does the database contain the operating history for each equipment within the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.1.2.Q3   Does the database contain the overload history for each equipment within the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

3.1.2.Q4   Does the database contain the minimum line clearance beyond GO based on risk analysis for each equipment within the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.1.2.Q5   Does the database contain the manufacturer for each equipment within the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.1.2.Q6   Does the database contain repair history for each equipment within the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

3.1.2.Q7   What fraction of assets and components have age data?

Date	Less than 80% (1)	At least 80% (2)	At least 90% (3)	At least 99% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Ascending				
B. Tiered response				
Total. Level of sophistication				

Commentary on responses for this sub-capability may be provided below (not required):

3.1.3 Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

3.1.3.Q1   At what spatial granularity are asset inventory and condition database within the service territory recorded and evaluated?

Date	Regional level (0)	Circuit level (1)	Span level (2)	Asset level (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

Commentary on responses for this sub-capability may be provided below (not required):

3.1.4   QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

3.1.4.Q1   Is the accuracy of the asset inventory and condition database evaluated by subject matter experts at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.1.4.Q2   Do other electrical corporations and government participate in the auditing process?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.1.4.Q3   Is the accuracy of the asset inventory and condition database evaluated by subject matter experts at least twice per year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

3.1.4.Q4   Is the accuracy of the asset inventory and condition database evaluated by subject matter experts at least four times per year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.1.4.Q5   Is routine subject matter expert verification complemented with more in-depth

analyses to provide a comprehensive understanding of strengths and weaknesses of the data and collection process?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

3.1.5   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Frequency				
Level of sophistication				
Spatial granularity				
QA/QC and subject matter expert verification				

3.2 Capability 14. Asset inspections

3.2.1 Frequency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

3.2.1.Q1   Does the inspection frequency meet regulatory minimums?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.2.1.Q2   Does the electrical corporation inspect distribution assets in the HFTD at least once every five years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.2.1.Q3   Does the electrical corporation base distribution inspection frequency on a risk map considering equipment type and environment?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.2.1.Q4   Does the electrical corporation inspect distribution assets in the HFTD at least once every three years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.2.1.Q5   Does the electrical corporation use a dynamic map based on real-time risk to adapt distribution inspection frequency?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.2.1.Q6   Does the electrical corporation use predictive modeling of equipment failure to prioritize distribution inspections?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.2.1.Q7   Does the electrical corporation analyze early indicators of failure probability to prioritize distribution inspections?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.2.1.Q8   Does the electrical corporation use additional types of inspections beyond statutory requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.2.1.Q9   Are at least 80% of distribution line miles continuously monitored by sensors to monitor the condition of electric lines and equipment areas with fire risk?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

3.2.1.Q10   Is the content of each distribution inspection (i.e., checklist or technology being used) determined independently by predictive modeling of equipment failure probability?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.2.1.Q11   Are at least 95% of distribution line miles continuously monitored by sensors to monitor the condition of electric lines and equipment areas with fire risk?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

3.2.2   Level of sophistication

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

3.2.2.Q1   Do measured parameters and procedures during asset inspections allow for identifying higher risk areas and assets?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.2.2.Q2   Do measured parameters support establishing equipment failure probability?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.2.2.Q3   Do measured parameters support risk-informed timing of inspections?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

3.2.3 QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

3.2.3.Q1   Does the electrical corporation have processes and procedures in place to evaluate the quality/training of inspectors and inspection outcomes?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.2.3.Q2   Is the quality of asset inspections assessed through subject matter expert review at least once every year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.2.3.Q3   Is the quality of asset inspections assessed through subject matter expert review at least twice per year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.2.3.Q4   Do other electrical corporations and government participate in the auditing of asset inspection quality?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

3.2.3.Q5   Is the quality of asset inspections assessed through subject matter expert review at least four times per year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

3.2.4 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Frequency				
Level of sophistication				
QA/QC and subject matter expert verification				

3.3 Capability 15. Asset maintenance and repair

3.3.1 Frequency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

3.3.1.Q1   Is local wildfire risk considered in establishing maintenance frequency?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.3.1.Q2   Is local PSPS risk considered in establishing maintenance frequency?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.3.1.Q3   Is local equipment utilization/usage % considered in establishing maintenance frequency?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.3.1.Q4   Are local environmental conditions considered in establishing maintenance frequency?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following

question(s) is **NO**, the maturity in this sub-capability is 2.

3.3.1.Q5   Is the performance history of individual equipment considered in establishing maintenance frequency?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.3.1.Q6   Are at least 95% of line miles continuously monitored by sensors to monitor the condition of electric lines and equipment areas with fire risk?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

3.3.2   Level of sophistication

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

3.3.2.Q1   Does the electrical corporation address level 1 findings (as defined in GO-95 rule 18) immediately?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.3.2.Q2   Does the electrical corporation address level 2 findings (as defined in GO-95 rule 18) within the time identified in GO-95?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.3.2.Q3   Does the electrical corporation address routine findings (level 3 as defined in GO-95 rule 18) within five years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

3.3.2.Q4   How quickly are level 2 findings (as defined in GO-95 rule 18) within HFTD Tier 3

addressed?

Date	> 6 months (0)	<= 6 months (1)	<= 3 months (2)	<= 1 month (3)	<= 2 weeks (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

3.3.2.Q5   How quickly are level 2 findings (as defined in GO-95 rule 18) within HFTD Tier 2 addressed?

Date	> 12 months (0)	<= 12 months (1)	<= 6 months (2)	<= 3 months (3)	<= 1 month (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

3.3.2.Q6   How quickly are level 2 findings (as defined in GO-95 rule 18) outside the HFTD addressed?

Date	> 5 years (0)	<= 5 years (1)	<= 1 year (2)	<= 6 months (3)	<= 3 months (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Ascending				
B. Tiered response				
Total. Level of sophistication				

Commentary on responses for this sub-capability may be provided below (not required):

3.3.3 QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

3.3.3.Q1 Is the quality of asset maintenance activities assessed through subject matter expert review at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following

question(s) is **NO**, the maturity in this sub-capability is 1.

3.3.3.Q2   Is the quality of asset maintenance activities assessed through subject matter expert review at least twice per year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.3.3.Q3   Do other electrical corporations and government participate in the auditing process?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.3.3.Q4   Does the electrical corporation estimate equipment service life reduction based on usage and environmental conditions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.3.3.Q5   Is the quality of asset maintenance activities assessed through subject matter expert review at least quarterly?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

3.3.3.Q6   Is the quality of asset maintenance activities assessed through subject matter expert review at least monthly?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

3.3.4   Risk buy-down

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

3.3.4.Q1   Are inspection findings used to prioritize maintenance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.3.4.Q2   Is wildfire risk used to prioritize maintenance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.3.4.Q3   Is PSPS risk used to prioritize maintenance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.3.4.Q4   Is the risk reduction achieved by maintenance prioritization estimated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.3.4.Q5   Are risk buy-down estimates used to prioritize maintenance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

3.3.5 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Frequency				
Level of sophistication				
QA/QC and subject matter expert verification				
Risk buy-down				

3.4   Capability 16. Grid design and resiliency

3.4.1   Frequency

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

3.4.1.Q1   How frequently is the grid design evaluated?

Date	Never (0)	Annual basis (1)	Every 6 months (2)	Quarterly (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

3.4.1.Q2   How frequently are circuit load assessments performed?

Date	Never (0)	Annual basis (1)	Every 6 months (2)	Quarterly (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

Commentary on responses for this sub-capability may be provided below (not required):

3.4.2   Learning and continuous improvement

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

3.4.2.Q1   Does the electrical corporation have active programs to develop innovative grid design?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.4.2.Q2   Does the electrical corporation develop and/or evaluate new initiatives in installation of hardening initiatives into its grid?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.4.2.Q3   Does the electrical corporation develop and/or evaluate new initiatives in measuring direct reduction in ignition events?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.4.2.Q4   Does the electrical corporation develop and/or evaluate new initiatives in including an evaluation of the total cost of the initiative?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.4.2.Q5   Are the new initiatives pursued by the electrical corporation independently evaluated using laboratory facilities by a trained team of grid innovation specialists?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.4.2.Q6   Are the new initiatives pursued by the electrical corporation validated by field testing based on installation into the grid?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

3.4.2.Q7   Are the new initiatives pursued by the electrical corporation validated by independent auditing of grid performance?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.4.2.Q8   Does the electrical corporation share data-related to grid design and resiliency initiatives with industry, academia, and other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

3.4.2.Q9   At what granularity does the electrical corporation evaluate new initiatives in measuring the reduction impact on risk event metrics?

Date	Does not evaluate the reduction impact (1)	At a regional level (2)	At a circuit level (2)	At a span level (3)	At an asset level (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Ascending				
B. Tiered response				
Total. Learning and continuous improvement				

Commentary on responses for this sub-capability may be provided below (not required):

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3.4.3   Level of sophistication

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

3.4.3.Q1   Do the grid design, design evaluation, and grid impact evaluation consider the geo-spatial number of customers and critical infrastructure impacted by PSPS in the HFTD?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.4.3.Q2   [Question Removed; April 24, 2023, revision]

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.4.3.Q3   Do the grid design, design evaluation, and grid impact evaluation consider the number and type of specific grid localization features in the HFTD?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.4.3.Q4   Do the grid design, design evaluation, and grid impact evaluation consider the type and location of non-electrical corporation overhead distribution equipment in the HFTD?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.4.3.Q5   Do the grid design, design evaluation, and grid impact evaluation consider high-risk configurations in the existing grid based on ignition likelihood and overall risk?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

3.4.3.Q6   Do the grid design, design evaluation, and grid impact evaluation consider the design of circuits that are experiencing frequent overload operation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.
Commentary on responses for this sub-capability may be provided below (not required):

3.4.4 Risk buy-down

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

3.4.4.Q1 Are risk buy-down estimates used to select grid design features?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.4.4.Q2 Does the electrical corporation describe and document the pros, cons, and normalized implementation cost (per circuit, circuit mile, or another appropriate metric) for each grid hardening initiative?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.4.4.Q3 Is the degree of wildfire risk reduction achieved by each grid hardening initiative estimated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

3.4.4.Q4   Is the degree of wildfire risk reduction used in selecting grid hardening initiatives?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

3.4.5   Spatial granularity

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

3.4.5.Q1   Is the resolution of grid design evaluation sufficient to determine the length of spans?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.4.5.Q2   Is the resolution of grid design evaluation sufficient to determine the degree of circuit isolation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.4.5.Q3   Is the resolution of grid design evaluation sufficient to determine the geo-spatial number of customers and critical infrastructure impacted by PSPS of specific circuits in the HFTD?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.4.5.Q4   Is the resolution of grid design evaluation sufficient to determine where high-risk configurations exist in the grid based on ignition likelihood and overall risk?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.4.5.Q5   Is the resolution of grid design evaluation sufficient to determine the number and type of specific grid localization features in the HFTD?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

3.4.5.Q6   At what spatial granularity is grid design evaluated?

Date	>20 km (0)	<= 20 km (circuit level) (1)	<= 2 km (segment level) (2)	<= 400 m (asset level) (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026

A. Ascending				
B. Tiered response				
Total. Spatial granularity				

Commentary on responses for this sub-capability may be provided below (not required):

3.4.6   QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

3.4.6.Q1   Is circuit routing assessed through subject matter verification?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.4.6.Q2   Are circuit span lengths assessed through subject matter verification?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.4.6.Q3   Is resilient egress and traffic considered during grid design decisions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.4.6.Q4 Is community resilience considered during grid design decisions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.4.6.Q5 Is the selection of design type assessed through subject matter verification?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.4.6.Q6 Are all design decisions assessed in collaboration with other electrical corporations and government?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.4.6.Q7 Is the integration of microgrids assessed through subject matter verification?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.4.6.Q8 Are all design decisions assessed in collaboration with the research community?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

3.4.6.Q9 Is the integration of new technologies assessed through subject matter verification?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

3.4.7 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Frequency				
Learning and continuous improvement				
Level of sophistication				
Risk buy-down				
Spatial granularity				
QA/QC and subject matter expert verification				

3.5 Capability 17. Asset and grid personnel training and quality

3.5.1 Documentation and disclosures

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Cumulative

Maturity in this subsection is equal to the sum of the quantity of questions answered **YES.**

3.5.1.Q1   Does the electrical corporation actively seek information from and provide information to other electrical corporations on its procedures and training?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.1.Q2   Does the electrical corporation have a consistent format and venue / medium through which information on electrical corporation procedures and training is exchanged?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.1.Q3   Does the electrical corporation participate in annual benchmarking exercises to identify areas of improvement regarding the training and QA of asset personnel?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.1.Q4   Does the electrical corporation have a standard process for testing applicability of best practices and lessons learned of other electrical corporations regarding

the training and QA of asset personnel?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

B. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

3.5.1.Q5   Does the electrical corporation have procedures for sharing or receiving best practices and lessons learned regarding the training and QA of asset maintenance and repair personnel with or from other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Cumulative				
B. Ascending				
Total. Documentation and disclosures				

Commentary on responses for this sub-capability may be provided below (not required):

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3.5.2   Frequency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

3.5.2.Q1   Does the electrical corporation provide standard training materials to all employees?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.2.Q2   Does the electrical corporation require wildfire-related conditions and work aspects to be discussed with work teams before daily work begins?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.5.2.Q3   Does the electrical corporation conduct onboard training for new employees and provide standard training materials on wildfire-related conditions and work aspects to all relevant employees?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.5.2.Q4　　　Does the electrical corporation conduct refresher training on wildfire risk and work aspects for all relevant employees at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

3.5.3　　　Level of sophistication

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

3.5.3.Q1　　　Does the electrical corporation training cover wildfire-related conditions and work aspects expected to be encountered in the field?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.3.Q2   Does the electrical corporation training cover the process for reporting ignitions caused by workers or in the immediate vicinity of workers?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.3.Q3   Does the electrical corporation training cover procedures and protocols for routine inspections?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.5.3.Q4   Does the electrical corporation training cover procedures and protocols for detailed inspections?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.3.Q5   Does the electrical corporation training content include the use of specialized equipment (e.g., LiDAR and drones) for inspecting assets for conditions that increase wildfire risk?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.5.3.Q6   Does the electrical corporation training cover suppression of ignitions caused by workers or in the immediate vicinity of workers?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.3.Q7   Does the electrical corporation training cover simulated inspections in controlled environments with known repeatable conditions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

3.5.4   QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

3.5.4.Q1   Are results of post construction and repair inspections and audits used to identify systematic deficiencies?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.4.Q2   Are results of post construction and repair inspections and audits used to recommend training improvements for electrical corporation asset management personnel?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.4.Q3   Is personnel training conducted more frequently based on identified weaknesses?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.4.Q4   Are asset and grid personnel drills conducted with pass/fail criteria?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

3.5.4.Q5   Are results of post construction and repair inspections and audits used to recommend training improvements for contractor asset management personnel?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.4.Q6   Is personnel training conducted annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.4.Q7   Are at least 75% of asset and grid personnel drills passed?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

3.5.4.Q8   Are results of post construction and repair inspections and audits used to recommend training improvements for subcontractor asset management personnel?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.4.Q9   Are asset and grid personnel drills conducted at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

3.5.4.Q10   Are results of post construction and repair inspections and audits used to recommend training improvements for individual electrical corporation, contractor, and subcontractor employees?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

3.5.4.Q11   Are at least 95% of asset and grid personnel drills passed?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, then the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

3.5.5 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Documentation and disclosures				
Frequency				
Level of sophistication				
QA/QC and subject matter expert verification				

3.6   Category scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Capability	Maturity Level				Limiting Areas
	2023	2024	2025	2026	
Asset inventory and condition database					
Asset inspections					
Asset maintenance and repair					
Grid design and resiliency					
Asset and grid personnel training and quality					

4 Category D. Vegetation Management and Inspections

4.1 Capability 18. Vegetation inventory and condition database

4.1.1 Frequency

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

4.1.1.Q1 How quickly is the vegetation database updated after an inspection/activity?

Date	>30 days (0)	<= 30 days (1)	<= 14 days (2)	<= 7 days (3)	<= 1 day (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

4.1.2 Level of sophistication

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

4.1.2.Q1 Does the vegetation database include all vegetation within the right of the way and within strike of the potential assets?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.1.2.Q2 Does the vegetation database catalog findings and remedial actions taken?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.1.2.Q3 Does the vegetation database contain general information on the tree such as common name and genus?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.1.2.Q4 Does the vegetation database have information about typical environmental conditions such as slope, aspect, soil type, and wind exposure?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

4.1.2.Q5 Does the vegetation database have information about individual high risk-trees

across grid?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.1.2.Q6   Does the vegetation database contain tree species?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

4.1.2.Q7   Does the vegetation database include vegetation growth rate?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

4.1.2.Q8   Does the vegetation database inform about up-to-date tree health and moisture content to determine risk of ignition and propagation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

4.1.3 QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

4.1.3.Q1   Is the vegetation database assessed through subject matter expert review at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

4.1.3.Q2   Are QA/QC processes and procedures for ensuring data quality in the vegetation database benchmarked with other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

4.1.3.Q3   Is the vegetation database assessed through subject matter expert review at least twice per year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

4.1.3.Q4   Is the vegetation database assessed through subject matter expert review at least four times per year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.1.3.Q5   Are electrical corporation audits complemented with more in-depth diagnosis to provide a comprehensive understanding of strengths and weaknesses of the data and collection process?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

4.1.4   Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

4.1.4.Q1   What is the resolution employed to evaluate the vegetation inventory and condition?

Date	>20 km (0)	<= 20 km (circuit level) (1)	<= 2 km (segment level) (2)	<= 400 m (span level) (3)	<= 15 m (asset level) (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

4.1.5 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Frequency				
Level of sophistication				
QA/QC and subject matter expert verification				
Spatial granularity				

4.2 Capability 19. Vegetation inspections

4.2.1 Frequency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

4.2.1.Q1   [Question Removed; April 24, 2023, revision]

4.2.1.Q2   Are vegetation inspections in the HFTD conducted at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

4.2.1.Q3   [Question Removed; April 24, 2023, revision]

4.2.1.Q4   Are vegetation inspections in the HFTD conducted at least every six months?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.2.1.Q5   Is the inspection frequency prioritized based on risk modeling considering species-specific vegetation growth and equipment type for each circuit of the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

4.2.1.Q6   [Question Removed; April 24, 2023, revision]

4.2.1.Q7   Are vegetation inspections in the HFTD conducted at least every three months?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.2.1.Q8   Does the inspection frequency consider tree health and other vegetation risk factors?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.2.1.Q9   Does the inspection frequency consider equipment age for each span in prioritizing vegetation inspections?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.2.1.Q10   Does the frequency of inspections allow for understanding the vegetation growth, characteristics and failure probability?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

4.2.1.Q11   Does the frequency of inspections allow for improving the timeliness of future inspections in areas with high rates of dead or dying vegetation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, then the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

4.2.2 Level of sophistication

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

4.2.2.Q1 Do the measured parameters and procedures applied during vegetation inspections enable identifying higher risk areas and vegetation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

4.2.2.Q2 Does the electrical corporation describe the types of inspections, its procedures, and the parameters that should be measured in each?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

4.2.2.Q3   Does the detailed inspection enable measurements parameters that inform vegetation growth, characteristics, failure probability?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

4.2.2.Q4   Does the detailed inspection enable to measure parameters that inform future inspection timing?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

4.2.3   QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

4.2.3.Q1   Is the vegetation inspection assessed through subject matter expert review at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

4.2.3.Q2   Are QA/QC processes and procedures for ensuring vegetation inspections benchmarked with other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

4.2.3.Q3   Is the vegetation inspection assessed through subject matter expert review at least twice per year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

4.2.3.Q4   Is the vegetation inspection assessed through subject matter expert review at least four times per year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

4.2.4   Risk buy-down

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

4.2.4.Q1   Are risk buy-down estimates used to identify areas to prioritize for more frequent inspections?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

4.2.4.Q2   Are risk buy-down estimates used to prioritize vegetation inspection programs (e.g., detailed, patrolled, LiDAR)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

4.2.4.Q3   Is the degree of risk reduction achieved by vegetation inspections and specific initiatives estimated?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

4.2.4.Q4   Is the relative risk reduction and cost of vegetation inspections considered in strategy development?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

4.2.5 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Frequency				
Level of sophistication				
QA/QC and subject matter expert verification				
Risk buy-down				

4.3 Capability 20. Vegetation treatment

4.3.1 Anticipation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

4.3.1.Q1   Does the electrical corporation consider historic trends (e.g., refusal rates, periodic grow-in findings, etc.) in the geo-spatial region of the service territory to prioritize mitigation efforts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

4.3.1.Q2   Is the grid design reevaluated based on the historic trends in vegetation removal?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

4.3.1.Q3   Are the decisions related to increasing the isolation of affected circuits or integration of advanced sensor systems to reduce the likelihood of ignition from grow-in based on historic trends?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

4.3.2   Level of sophistication

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a**-**b**.

A. Ascending

Maturity in this subsection is 2 if the answer to **any** of the following question(s) is **NO**.

4.3.2.Q1   Does the electrical corporation proactively trim trees based on predictive modeling results (such as species-specific vegetative growth and limb, trunk, or root failure rates)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this subsection is 3.

4.3.2.Q2   Does the electrical corporation inform relevant communities of vegetative waste removal?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

4.3.2.Q3   How quickly does the electrical corporation respond to findings from inspections (e.g., routine treatment versus dying tree which is likely to fall on a line)?

Date	>30 days (0)	<= 30 days (1)	<= 7 days (2)	<= 1 day (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

4.3.2.Q4   How quickly does the electrical corporation respond to severe findings from pre-inspections (e.g., dying tree which is likely to fall on a line)?

Date	> 7 days (0)	<= 7 days (1)	<= 16 hours (2)	<= 8 hours (3)	<= 4 hours (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

4.3.2.Q5   How quickly are the vegetative waste removed after trimming and outside the wildland (e.g., in a homeowner's yard, along a street, etc.) after trimming?

Date	>7 days (0)	<= 7 days (1)	<= 3 days (2)	<= 1 day (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026

A. Ascending				
B. Tiered response				
Total. Level of sophistication				

Commentary on responses for this sub-capability may be provided below (not required):

4.3.3 QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

4.3.3.Q1 Is the quality of vegetation trimming assessed through post vegetation treatment inspections of employee and contractors?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.3.3.Q2 Are non-conformances identified during QA/QC corrected through additional treatments?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.3.3.Q3   Is the QA/ QC information used to identify deficiencies in inspection procedures and execution?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

4.3.3.Q4   Are the procedures updated to address deficiencies identified from QA/QC information at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.3.3.Q5   Are the contractors and subcontractors following the requisition of processes and standards set forth for the electrical corporation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

4.3.3.Q6   Are the procedures updated to address deficiencies identified from QA/QC information at least once per quarter?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

4.3.3.Q7   Are the procedures updated to address deficiencies identified from QA/QC information at least once per month?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

4.3.4   Risk buy-down

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

4.3.4.Q1   Are risk buy-down estimates used to plan vegetation treatment?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

4.3.4.Q2   Are the degree of wildfire risk reduction and the cost of each initiative considered in vegetation treatment strategy development?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

4.3.5 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Anticipation				
Level of sophistication				
QA/QC and subject matter expert verification				
Risk buy-down				

4.4 Capability 21. Vegetation personnel training and quality

4.4.1 Documentation and disclosures

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Cumulative

Maturity in this subsection is equal to the sum of the quantity of questions answered **YES.**

4.4.1.Q1   Does the electrical corporation actively seek information from and provide information to other electrical corporations on its procedures and training?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.4.1.Q2   Does the electrical corporation have a consistent format and venue / medium through which information on electrical corporation procedures and training is exchanged?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.4.1.Q3   Does the electrical corporation participate in annual benchmarking exercises to identify areas of improvement regarding the training and QA of vegetation personnel?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.4.1.Q4   Does the electrical corporation have a standard process for testing applicability of best practices and lessons learned of other electrical corporations regarding

the training and QA of vegetation personnel?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

B. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

4.4.1.Q5 Does the electrical corporation have procedures for exchanging best practices and lessons learned with other California electrical corporations and implementing information from other electrical corporations regarding the training and QA of vegetation personnel?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Cumulative				
B. Ascending				
Total. Documentation and disclosures				

Commentary on responses for this sub-capability may be provided below (not required):

4.4.2 Frequency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

4.4.2.Q1 Does the electrical corporation provide training material to all employees?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.4.2.Q2 Does the electrical corporation discuss wildfire-related conditions and work aspects with teams before daily work begins?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

4.4.2.Q3 Does the electrical corporation conduct onboard training for new employees and provide standard training material on wildfire-related conditions and work aspects to relevant employees?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

4.4.2.Q4   Does the electrical corporation conduct refresher training on wildfire risk and work aspects for all relevant employees at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

4.4.3   Level of sophistication

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

4.4.3.Q1   Does the electrical corporation training cover wildfire-related conditions and work aspects expected to be encountered in the field?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.4.3.Q2   Does the electrical corporation training cover the process for reporting ignitions caused by workers or in the immediate vicinity of workers?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.4.3.Q3   Does the electrical corporation training cover procedures and protocols for routine inspections?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

4.4.3.Q4   Does the electrical corporation training cover procedures and protocols for detailed inspections?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.4.3.Q5   Does the electrical corporation training content include the use of specialized equipment (e.g., range finders and drones) for inspecting vegetation for conditions that increase wildfire risk?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

4.4.3.Q6   Does the electrical corporation training cover suppression of ignitions caused by workers or in the immediate vicinity of workers?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.4.3.Q7   Does the electrical corporation training cover simulated inspections in controlled environments with known repeatable conditions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

4.4.4 QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

4.4.4.Q1 Are the results of post treatment inspections and audits used to identify systematic deficiencies, and further recommend training for electrical corporation vegetation management personnel based on weaknesses?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.4.4.Q2 Are vegetation personnel drills conducted with pass/fail criteria?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

4.4.4.Q3 Are the results of post treatment inspections and audits used to identify systematic deficiencies, and further recommend training for contractor vegetation management personnel based on weaknesses?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.4.4.Q4 Are at least 75% of vegetation personnel drills passed?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

4.4.4.Q5   Are the results of post treatment inspections and audits used to identify systematic deficiencies, and further recommend training for subcontractor vegetation management personnel based on weaknesses?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.4.4.Q6   Are the results of post training assessments and audits used to identify systematic deficiencies and recommend modifications to training material for electrical corporation vegetation management personnel based on weaknesses?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.4.4.Q7   Are vegetation personnel drills conducted at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

4.4.4.Q8   Are the results of post treatment inspections and audits used to identify systematic deficiencies, grade individuals, and further recommend personalized pre-made and tested training for individual electrical corporation, contractor and subcontractor employees based on weaknesses?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

4.4.4.Q9   Are at least 95% of vegetation personnel drills passed?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

4.4.5   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	**2024**	**2025**	**2026**
Documentation and disclosures				
Frequency				
Level of sophistication				
QA/QC and subject matter expert verification				

4.5 Category scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Capability	Maturity Level				Limiting Areas
	2023	2024	2025	2026	
Vegetation inventory and condition database					
Vegetation inspections					
Vegetation treatment					
Vegetation personnel training and quality					

5 Category E. Grid Operations and Protocols

5.1 Capability 22. Protective equipment and device settings

5.1.1 Automation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

5.1.1.Q1   Are all reclosers on distribution circuits in the HFTD controlled remotely?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.1.1.Q2   Are multiple protective settings available by remote control for all reclosers on distribution circuits in the HFTD?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

5.1.1.Q3   Can all reclosers on distribution circuits in the HFTD be remotely adjusted for Red Flag Warnings?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following

question(s) is **NO**, the maturity in this sub-capability is 2.

5.1.1.Q4   Can all reclosers on distribution circuits in the HFTD be remotely adjusted to stop automatic closing?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

5.1.1.Q5   Can recloser settings on individual circuits be remotely adjusted for special conditions, such as topography?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

5.1.2   Learning and improvement

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Cumulative

Maturity in this subsection is equal to the sum of the quantity of questions answered **YES.**

5.1.2.Q1   Does the electrical corporation actively seek information from and provide information to other electrical corporations on its protective equipment and device settings?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.1.2.Q2   Does the electrical corporation have a consistent format and venue / medium through which information on electrical corporation protective equipment and device settings is exchanged?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.1.2.Q3   Does the electrical corporation participate in annual benchmarking exercises to identify areas of improvement regarding protective equipment and device settings?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.1.2.Q4   Does the electrical corporation have a standard process for testing applicability of best practices and lessons learned of other electrical corporations regarding the protective equipment and device settings?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

B. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

5.1.2.Q5   Does the electrical corporation have procedures for exchanging best practices and lessons learned with other electrical corporations and implementing information from other electrical corporations regarding the utilization and operation of protective equipment?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Cumulative				
B. Ascending				
Total. Learning and improvement				

Commentary on responses for this sub-capability may be provided below (not required):

5.1.3 Level of sophistication

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

5.1.3.Q1   Does the electrical corporation appropriately adjust control settings on protective devices for high wildfire threat weather conditions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.1.3.Q2   Does the electrical corporation monitor and document fault events that occur?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.1.3.Q3   Does the electrical corporation record data on the effectiveness of adjusted control settings?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

5.1.3.Q4   Does the electrical corporation continuously improve setting thresholds?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

5.1.3.Q5   Does the electrical corporation appropriately adjust control settings on protective devices based on predictive risk modeling for high wildfire threat weather conditions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

5.1.4   QA/QC and subject matter expert verification

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

5.1.4.Q1   How often do policies and procedures, for determining and applying thresholds of grid elements and protective equipment as well as inspecting equipment following de-energization, undergo subject matter expert review?

Date	Less than once per year (0)	At least once annually (1)	At least once per 6 months (3)	At least once per quarter (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

Commentary on responses for this sub-capability may be provided below (not required):

5.1.5   Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

5.1.5.Q1   Over what fraction of the territory does the electrical corporation incorporate protective equipment and device settings?

Date	Less than 50% of circuit miles in the HFTD (1)	At least 50% of circuit miles in the HFTD (2)	At least 75% of circuit miles in the HFTD (3)	Over all circuits in the HFTD (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

Commentary on responses for this sub-capability may be provided below (not required):

5.1.6   Standardized processes

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

5.1.6.Q1   Does the electrical corporation have procedures in place to inspect assets after de-energization by protective equipment?

Date	No (0)	Yes, for persistent de-energizations only (3)	Yes, including intermittent de-energizations (4)
Jan. 1, 2023:			
Jan. 1, 2024:			
Jan. 1, 2025:			
Jan. 1, 2026:			

5.1.6.Q2   Does the electrical corporation have a protocol for determining the sensitivity of grid elements and protective equipment based on current fire risk conditions?

Date	No (1)	Yes, sensitivities are determined manually (3)	Yes, sensitivities are determined automatically (4)
Jan. 1, 2023:			
Jan. 1, 2024:			
Jan. 1, 2025:			
Jan. 1, 2026:			

Commentary on responses for this sub-capability may be provided below (not required):

5.1.7 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation				
Learning and improvement				
Level of sophistication				
QA/QC and subject matter expert verification				
Spatial granularity				
Standardized processes				

5.2 Capability 23. Incorporation of ignition risk factors in grid control

5.2.1 Anticipation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

5.2.1.Q1 Does the electrical corporation use predictive modeling to shorten the expected life of equipment based on documented grid operating history?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.2.1.Q2 Does the electrical corporation use data on faults to prioritize response on individual circuits in high-risk areas?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

5.2.1.Q3 Does the electrical corporation use predictive modeling to replace equipment before the predicted failure?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

5.2.2 Documentation and disclosures

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

5.2.2.Q1   Does the electrical corporation track and document electric operational history of circuits when operating equipment above current carrying capacity at the circuit level?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

5.2.2.Q2   Does the electrical corporation track and document electric operational history of assets continuously and flags when ratings are exceeded?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4. Commentary on responses for this sub-capability may be provided below (not required):

5.2.3 Learning and improvement

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Cumulative

Maturity in this subsection is equal to the sum of the quantity of questions answered **YES.**

5.2.3.Q1   Does the electrical corporation actively seek information from and provide information to other electrical corporations on its incorporation of ignition risk factors in grid control?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.2.3.Q2   Does the electrical corporation have a consistent format and venue/medium through which information on procedures related to grid control are exchanged?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.2.3.Q3   Does the electrical corporation participate in annual benchmarking exercises to identify areas of improvement regarding the utilization and operation of

protective equipment?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.2.3.Q4   Does the electrical corporation have a standard process for testing applicability of best practices and lessons learned of other electrical corporations regarding the utilization and operation of protective equipment?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

B. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

5.2.3.Q5   Does the electrical corporation have procedures for exchanging best practices and lessons learned with other electrical corporations and implementing information from other electrical corporations regarding the use of ignition risk factors in grid control?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Cumulative				
B. Ascending				
Total. Learning and improvement				

Commentary on responses for this sub-capability may be provided below (not required):

5.2.4   QA/QC and subject matter expert verification

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

5.2.4.Q1   The process for incorporating wildfire risk in determination of electric control limits beyond equipment current carrying capacity undergoes subject matter expert review at what frequency?

Date	Less than once per year (0)	At least once per year (3)	At least once per 6 months (4)
Jan. 1, 2023:			
Jan. 1, 2024:			
Jan. 1, 2025:			
Jan. 1, 2026:			

5.2.4.Q2   The predictive model used for shortening the expected life of equipment undergoes subject matter expert review at what frequency?

Date	Less than once per year (2)	At least once per year (3)	At least once per 6 months (4)
Jan. 1, 2023:			
Jan. 1, 2024:			
Jan. 1, 2025:			
Jan. 1, 2026:			

Commentary on responses for this sub-capability may be provided below (not required):

5.2.5   Standardized processes

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

5.2.5.Q1   Does the electrical corporation have a clearly defined process for incorporating wildfire risk in determination of electric control limits beyond equipment current carrying capacities?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

5.2.5.Q2   Is equipment ever operated above current carrying capacity within the HFTD?

Date	Yes	No
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

5.2.6   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Anticipation				
Documentation and disclosures				
Learning and improvement				
QA/QC and subject matter expert verification				
Standardized processes				

5.3 Capability 24. PSPS operating model

5.3.1 Effectiveness

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

5.3.1.Q1   Does the electrical corporation notify at least 95% of affected customers of an upcoming PSPS event?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.1.Q2   Does the electrical corporation notify at least 99% of affected Medical Baseline customers of an upcoming PSPS event?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.1.Q3   Does the electrical corporation website remain online during communication about PSPS events and during PSPS events?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.1.Q4   Does the electrical corporation provide resources to mitigate PSPS impact to all customers including water and phone charging?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following

question(s) is **NO**, the maturity in this sub-capability is 1.

5.3.1.Q5   Does the electrical corporation notify at least 98% of affected customers of an upcoming PSPS event?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.1.Q6   Does the electrical corporation notify at least 99.5% of affected Medical Baseline customers of an upcoming PSPS event?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.1.Q7   Does the electrical corporation have fewer than 0.5 percent of customers complain of lack of communication?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

5.3.1.Q8   Does the electrical corporation notify at least 99% of affected customers of an upcoming PSPS event?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.1.Q9   Does the electrical corporation notify at least 99.9% of affected Medical Baseline customers of an upcoming PSPS event?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.1.Q10   Does the electrical corporation provide additional resources to vulnerable and other select customers to mitigate PSPS impact (such as backup generators and batteries)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

5.3.1.Q11   Does the electrical corporation notify at least 99.9% of affected customers of an upcoming PSPS event?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.1.Q12   Does the electrical corporation notify 100% of affected Medical Baseline customers of an upcoming PSPS event?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

5.3.2   Learning and improvement

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Cumulative

Maturity in this subsection is equal to the sum of the quantity of questions answered **YES.**

5.3.2.Q1   Does the electrical corporation actively seek information from and provide information to other electrical corporations on its PSPS operating model?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.2.Q2   Does the electrical corporation have a consistent format and venue/medium through which information on procedures related to PSPS operation are exchanged?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.2.Q3   Does the electrical corporation participate in annual benchmarking exercises to identify areas of improvement regarding the utilization and operation of PSPS?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.2.Q4   Does the electrical corporation have a standard process for testing applicability of best practices and lessons learned of other electrical corporations regarding the utilization and operation of PSPS?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

B. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

5.3.2.Q5   Does the electrical corporation have procedures for exchanging best practices and lessons learned with other electrical corporations and implementing information from other electrical corporations regarding the effective implementation of PSPS?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Cumulative				
B. Ascending				
Total. Learning and improvement				

Commentary on responses for this sub-capability may be provided below (not required):

5.3.3   Level of sophistication

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

5.3.3.Q1   Does the electrical corporation average less than 1 hour of PSPS customer-hours per year per customer?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.3.Q2   Does the electrical corporation consider ignition likelihood associated with upcoming conditions when deciding to initiate a PSPS event?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

5.3.3.Q3   Does the electrical corporation average less than 0.5 hour of PSPS customer-hours per year per customer?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.3.Q4   Does the electrical corporation consider overall PSPS risk to general population when deciding to initiate a PSPS event?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

5.3.3.Q5   Does the electrical corporation average less than 0.25 hour of PSPS customer-hours per year per customer?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.3.Q6   Does the electrical corporation consider overall PSPS risk to critical facilities and vulnerable populations when deciding to initiate a PSPS event?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.3.Q7   Does the electrical corporation maintain the grid in a sufficiently low risk condition so as to only require PSPS events due to damaged equipment, contact with a foreign object, or to maintain safety of suppression and other personnel?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

5.3.3.Q8   Does the electrical corporation average less than 0.1 hour of PSPS customer-hours per year per customer?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.3.Q9   Are PSPS events conducted such that de-energized circuits have sufficient redundancy to avoid disruption in energy supply to customers?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in the sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

5.3.4   QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

5.3.4.Q1   Do subject matter experts annually review PSPS policies and procedures?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.4.Q2   Do subject matter experts annually review ignition and risk thresholds associated with initiation of PSPS?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.3.4.Q3   Is subject matter expert review conducted as part of PSPS initiation decisions?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

5.3.5   Standardized processes

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

5.3.5.Q1   Does the electrical corporation have explicit and well-defined policies, thresholds, and conditions for PSPS initiation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

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5.3.6   Validation

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

5.3.6.Q1   What fraction of PSPS events are initiated when actual conditions did not warrant a PSPS (i.e., forecasted conditions were more extreme than actually observed)?

Date	>50% (0)	<50% (1)	<33% (2)	<25% (3)	<10% (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

<div style="border:1px solid red; height:450px;"></div>

5.3.7 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Effectiveness				
Learning and improvement				
Level of sophistication				
QA/QC and subject matter expert verification				
Standardized processes				
Validation				

5.4 Capability 25. Protocols for PSPS re-energization

5.4.1 Automation

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

5.4.1.Q1 What fraction of de-energized circuits are inspected using processes that do not involve on-site inspection by a physically present observer (e.g., drones, LiDAR) prior to re-energization?

Date	The electrical corporation does not inspect prior to re-energization (0)	The electrical corporation uses on-site processes to inspect prior to re-energization (1)	>= 33% (2)	>= 66% (3)	>= 90% (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

5.4.2 Effectiveness

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s).

Each response's maturity is indicated in parentheses.

5.4.2.Q1 Does the electrical corporation notify owners of non-electrical corporation overhead distribution equipment of re-energization process and timeline to help prevent backfeed of power from these systems?

Date	No (0)	Yes, in the HFTD (1)	Yes, over the entire service territory (4)
Jan. 1, 2023:			
Jan. 1, 2024:			
Jan. 1, 2025:			
Jan. 1, 2026:			

Commentary on responses for this sub-capability may be provided below (not required):

5.4.3 Frequency

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

5.4.3.Q1 The electrical corporation restores service to the grid within what timeframe after conditions have returned to sub-PSPS thresholds?

Date	>24 hours (0)	<24 hours (1)	<12 hours (2)	<4 hours (3)	<2 hours (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

5.4.4   Learning and improvement

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Cumulative

Maturity in this subsection is equal to the sum of the quantity of questions answered **YES.**

5.4.4.Q1   Does the electrical corporation actively seek information from and provide information to other electrical corporations on its process to re-energize lines after issuing a PSPS?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.4.4.Q2   Does the electrical corporation have a consistent format and venue/medium through which information on procedures related to re-energization after PSPS are exchanged?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.4.4.Q3   Does the electrical corporation participate in annual benchmarking exercises to

identify areas of improvement regarding the re-energization of equipment after a PSPS?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.4.4.Q4   Does the electrical corporation have a standard process for testing applicability of best practices and lessons learned of other electrical corporations regarding re-energization of equipment after a PSPS?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

B. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

5.4.4.Q5   Does the electrical corporation have procedures for exchanging best practices and lessons learned with other electrical corporations and implementing information from other electrical corporations regarding the effective implementation of PSPS?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	**2024**	**2025**	**2026**
A. Cumulative				
B. Ascending				
Total. Learning and improvement				

Commentary on responses for this sub-capability may be provided below (not required):

5.4.5   Level of sophistication

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

5.4.5.Q1   Does the electrical corporation perform adequate inspections of de-energized circuits prior to re-energization?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

5.4.6 QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

5.4.6.Q1   Does the electrical corporation perform subject matter expert review of after-event inspection procedures at least once per year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

5.4.6.Q2   Did the electrical corporation cause fewer than 1 after-event ignitions during re-energization during the past year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

5.4.7 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation				
Effectiveness				
Frequency				
Learning and improvement				
Level of sophistication				
QA/QC and subject matter expert verification				

5.5 Capability 26. Ignition prevention and suppression

5.5.1 Documentation and disclosures

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Cumulative

Maturity in this subsection is equal to the sum of the quantity of questions answered **YES.**

5.5.1.Q1 Does the electrical corporation actively seek information from and provide information to other electrical corporations on its ignition prevention and suppression training?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.5.1.Q2 Does the electrical corporation have a consistent format and venue/medium through which information on procedures related to ignition prevention and suppression are exchanged?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.5.1.Q3 Does the electrical corporation participate in annual benchmarking exercises to identify areas of improvement regarding ignition prevention and suppression?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.5.1.Q4 Does the electrical corporation have a standard process for testing applicability of best practices and lessons learned of other electrical corporations regarding

ignition prevention and suppression?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

B. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

5.5.1.Q5   Does the electrical corporation have procedures for exchanging best practices and lessons learned with other electrical corporations and implementing information from other electrical corporations regarding ignition prevention and suppression?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Cumulative				
B. Ascending				
Total. Documentation and disclosures				

Commentary on responses for this sub-capability may be provided below (not required):

5.5.2   Level of sophistication

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

5.5.2.Q1   Does the electrical corporation provide communication equipment which enables workers to immediately report ignitions occurring in their vicinity?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

5.5.2.Q2   Does the electrical corporation provide suppression tools to immediately suppress ignitions occurring in the vicinity of workers?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

5.5.2.Q3   Does the electrical corporation provide communication equipment which

enables workers to immediately report ignitions occurring in their vicinity which does not require cell reception?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.5.2.Q4   Does the electrical corporation provide multiple suppression tools to immediately suppress ignitions occurring in the vicinity of workers?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

5.5.2.Q5   Does the electrical corporation require subcontractors to provide communication equipment to their workers?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

5.5.2.Q6   Does the electrical corporation require subcontractors to provide communication equipment to their workers which does not require cell reception?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

5.5.3   Standardized processes

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

5.5.3.Q1   Does the electrical corporation have explicitly defined policies and procedures dictating the role of electrical corporation employees at the site of an ignition?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

5.5.3.Q2   Does the electrical corporation have explicitly defined policies and procedures dictating the role of contractor and subcontractor employees at the site of an ignition?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

5.5.3.Q3   Does the electrical corporation have fire suppression and safety teams on site during asset and vegetation management work in the HFTD?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

5.5.4 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Documentation and disclosures				
Level of sophistication				
Standardized processes				

5.6   Category scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Capability	Maturity Level				Limiting Areas
	2023	2024	2025	2026	
Protective equipment and device settings					
Incorporation of ignition risk factors in grid control					
PSPS operating model					
Protocols for PSPS re-energization					
Ignition prevention and suppression					

6 Category F. Emergency Preparedness

6.1 Capability 27. Wildfire and PSPS emergency and disaster preparedness plan

6.1.1 Coordination and integration

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

6.1.1.Q1 Does the electrical corporation have emergency and disaster preparedness plans, policies, practices and procedures for prevention, mitigation, and response in compliance with GO 166 and SEMS (either for all hazards or specific hazards)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.1.Q2 Does the electrical corporation have wildfire- and PSPS-specific emergency and disaster preparedness plans, policies, practices and procedures for prevention, mitigation, and response in compliance with GO 166 and SEMS (which may or may not be fully integrated into other emergency operational plans)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

6.1.1.Q3 Does the electrical corporation have wildfire- and PSPS-specific emergency and disaster preparedness plans, policies, practices and procedures which include recovery operations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.1.Q4   Does the electrical corporation have wildfire- and PSPS-specific emergency and disaster preparedness plans compatible with NIMS?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.1.Q5   Are the electrical corporation's wildfire- and PSPS-specific preparedness plans, policies, practices, and procedures fully integrated into the electrical corporation's overall emergency and disaster operations, systems, and protocols?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

6.1.1.Q6   Are at least 50% of the electrical corporation emergency and disaster preparedness plans integrated into relevant public safety partner's emergency plans within the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following

question(s) is **NO**, the maturity in this sub-capability is 3.

6.1.1.Q7 Are at least 75% of the electrical corporation emergency and disaster preparedness plans integrated into relevant public safety partner's emergency plans within the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.1.Q8 Does the electrical corporation take a primary partner role in planning, coordinating, and integrating plans across all public safety partners in the service territory including state and tribal partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

6.1.2   Documentation and disclosures

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

6.1.2.Q1   Does the electrical corporation emergency and disaster preparedness plan include standard wildfire- and PSPS-specific emergency operational policies, practices, and procedures before, during and after an incident?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.2.Q2   Does the electrical corporation emergency and disaster preparedness plan include physical emergency response and recovery systems (e.g., detection and notification systems, communications systems)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.2.Q3   Does the electrical corporation emergency and disaster preparedness plan include training/simulation exercises and programs?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.2.Q4   Does the electrical corporation emergency and disaster preparedness plan include personnel roles and responsibilities?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.2.Q5   Does the electrical corporation emergency and disaster preparedness plan include verification of coordination efforts with public safety partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.2.Q6   Does the electrical corporation emergency and disaster preparedness plan include verification of completed training and exercises?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.2.Q7   Does the electrical corporation emergency and disaster preparedness plan include verification of the updated plan?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.2.Q8   Does the electrical corporation emergency and disaster preparedness plan include discussion of gaps, limitations, and improvement areas with remedial or corrective action plans?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

6.1.2.Q9 Does the electrical corporation emergency and disaster preparedness plan include integration of internal lessons-learned?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.2.Q10 Does the electrical corporation emergency and disaster preparedness plan include feedback from external third-party evaluation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

6.1.2.Q11 Does the electrical corporation emergency and disaster preparedness plan include actions taken to incorporate periodic external third-party feedback?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

6.1.2.Q12 Does the electrical corporation emergency and disaster preparedness plan

include the collection of data from drills and after-action reports, and integrate those lessons-learned into updating the plan(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

6.1.3 Frequency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

6.1.3.Q1 Does the electrical corporation evaluate, maintain, and update its emergency and disaster preparedness plans, policies, practices, and procedures at least once every two years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.3.Q2 Does the electrical corporation perform personnel and contractor training on emergency preparedness at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.3.Q3   Does the electrical corporation have internal discussion-based and operations-based exercises (e.g., drills, simulations, and tabletop exercises) on emergency preparedness at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.3.Q4   Does the electrical corporation review after-action reports from both internal and external sources at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.3.Q5   Does the electrical corporation review and integrate feedback from internal discussion-based and operations-based exercises at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

6.1.3.Q6   Are personnel and contractor training on emergency preparedness conducted at least once annually, immediately before core fire season?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.3.Q7 Are internal discussion-based and operations-based exercises (e.g., drills, simulations, and tabletop exercises) on emergency preparedness conducted at least once annually, immediately before core fire season?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.3.Q8 Are after-action reports from both internal and external sources reviewed at least once annually, immediately before core fire season?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.3.Q9 Are feedback from internal discussion-based and operations-based exercises reviewed and integrated at least once annually, immediately before core fire season?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.3.Q10 Does the electrical corporation review and integrate public feedback on wildfire- and PSPS-specific emergency preparedness activities (e.g., public notifications, emergency services) at least once annually, immediately after core fire season(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.3.Q11   Does the electrical corporation seek feedback from public safety partners on preparedness plan revisions at least once annually, immediately after core fire season(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

6.1.3.Q12   Does the electrical corporation review memoranda of agreement and mutual aid agreements with key public safety partners for any required updates annually, immediately after each core fire season?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.3.Q13   Does the electrical corporation review and provide feedback on public safety partners' Emergency and Disaster Preparedness plans to be in-line with the electrical corporation's plans at least every five years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

6.1.3.Q14   Does the electrical corporation review and provide feedback on public safety partners' Emergency and Disaster Preparedness plans to be in-line with the electrical corporation's plans at least every two years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

6.1.4   QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

6.1.4.Q1   Are wildfire- and PSPS- emergency operations and disaster preparedness plans assessed through subject matter expert review at least once annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

6.1.4.Q2   Is an external third-party evaluation of plans conducted every five years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.4.Q3   Do at least 50% of state, county, city, and tribal public safety partners evaluate the plans at least every three years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

6.1.4.Q4   Do at least 50% of state, county, city, and tribal public safety partners evaluate the plans at least every two years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.4.Q5   Are wildfire- and PSPS- emergency operations and preparedness plans assessed by subject matter experts after every catastrophic wildfire?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

6.1.4.Q6   Do at least 75% of state, county, city, and tribal public safety partners evaluate the plans at least every two years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.1.4.Q7   Do electrical corporation subject matter expert partners review and evaluate plans once every five years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

6.1.5   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Coordination and integration				
Documentation and disclosures				
Frequency				
QA/QC and subject matter expert verification				

6.2 Capability 28. Collaboration and coordination with public safety partners

6.2.1 Coordination and integration

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

6.2.1.Q1 Does the electrical corporation have wildfire- and PSPS-specific emergency and disaster preparedness plans, policies, practices, and procedures?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.2.1.Q2 Does the electrical corporation maintain a list of all relevant state, city, county and tribal agencies and key point(s)-of-contacts (e.g., operations, PIO, Emergency Director) with associated contact information with relevant public safety partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.2.1.Q3 Does the electrical corporation coordinate a list of all relevant memoranda of agreements with all public safety partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.2.1.Q4 Are resources available for Mutual Aid Agreements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

6.2.1.Q5   What percentage of relevant public safety partners provided consultation and/or verbal or written comments on electrical corporation's most recent plan?

Date	0% (0)	50% (1)	50-75% (2)	75-90% (3)	99% (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

6.2.1.Q6   What percentage of relevant public safety partners' communication strategy (e.g., protocols, procedures, and systems) are coordinated with the electrical corporation to inform public safety partners and other interconnected electrical corporation partners of wildfire, PSPS and re-energization incidents?

Date	0% (0)	50% (1)	50-75% (2)	75-90% (3)	99% (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

6.2.1.Q7   What percentage of public safety partners has the electrical corporation established a frequency of pre-arranged comms strategy reviews and updates?

Date	0% (0)	50% (1)	50-75% (2)	75-90% (3)	99% (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Ascending				
B. Tiered response				
Total. Coordination and integration				

Commentary on responses for this sub-capability may be provided below (not required):

6.2.2   Frequency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

6.2.2.Q1   Does the electrical corporation coordinate its wildfire-, PSPS and power-restoration-specific interoperation communication strategies, procedures, and

protocols interoperability with public safety partners and other interconnected electrical corporations at least every two years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.2.2.Q2   Does the electrical corporation at least once annually identify and confirm interoperation communications, protocols, practices, and procedures before, during, and after an incident for all relevant public safety partners and interconnected electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.2.2.Q3   Does the electrical corporation, at least once annually, have internal discussion-based and operations-based communications interoperability exercises (e.g., drills, simulations, and tabletop exercises)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.2.2.Q4   Does the electrical corporation, at least once annually, review after-action reports from both internal and external sources?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.2.2.Q5   Does the electrical corporation, at least once annually, review and integrate feedback from internal discussion-based and operations-based communications interoperability exercises?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

6.2.2.Q6　　Does the electrical corporation, at least once annually immediately before core fire season(s), identify and confirm interoperation communications, protocols, practices, and procedures before, during, and after an incident for all relevant public safety partners and interconnected electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.2.2.Q7　　Does the electrical corporation at least once annually immediately before core fire season(s) have internal discussion-based and operations-based communications interoperability exercises (e.g., drills, simulations, and tabletop exercises)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.2.2.Q8　　Does the electrical corporation, at least once annually immediately before core fire season(s), review after-action reports from both internal and external sources?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.2.2.Q9　　Does the electrical corporation, at least once annually immediately before core

fire season(s), review and integrate feedback from internal discussion-based and operations-based communications interoperability exercises?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.2.2.Q10   Does the electrical corporation seek feedback from public safety partners and interconnected electrical corporation partners on wildfire, PSPS, and power restoration interoperation communications for timeliness, completeness, and reliability at least once annually, immediately after core fire season(s)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

6.2.2.Q11   Does the electrical corporation review memoranda of agreements with key public safety partners and interconnected electrical corporations for any required updates at least once annually, immediately after each core fire season?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

6.2.2.Q12   Does the electrical corporation, at least once annually, coordinate its wildfire-, PSPS and power-restoration-specific interoperation communication strategies, procedures, and protocols interoperability with public safety partners and other interconnected electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

6.2.3 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	**2024**	**2025**	**2026**
Coordination and integration				
Frequency				

6.3 Capability 29. Public emergency communication strategy

6.3.1 Automation

Maturity in this sub-capability is based on the total number of questions answered **YES**. The following table summarizes the score achieved based on the number of questions answered **YES**.

Quantity-Yes	Maturity Level
$N < 3$	0
$3 \leq N < 4$	1
$4 \leq N < 5$	2
$5 \leq N < 8$	3
$N = 8$	4

6.3.1.Q1   Is the detection of an ignition automatically communicated to public safety partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.1.Q2   [Question Removed; April 24, 2023, revision]

6.3.1.Q3   Are the local wildfire settings (e.g., weather and climate data) automatically communicated to members of the public and public safety partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.1.Q4   Are deployed electrical corporation emergency resources automatically communicated to members of the public and public safety partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.1.Q5 Are the anticipated number of impacted customers and duration of power outages caused by wildfire and PSPS automatically communicated to members of the public and public safety partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.1.Q6 Does the electrical corporation automatically communicate the locations of support services to members of the public and public safety partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.1.Q7 Does the electrical corporation automatically communicate instructions for emergency action to members of the public and public safety partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.1.Q8 Does the electrical corporation automatically translate communications for members of the public into Spanish and two to three of the most prevalent languages in the service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

Commentary on responses for this sub-capability may be provided below (not required):

6.3.2 Coordination and integration

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

6.3.2.Q1   Is the electrical corporation's public communication strategy for wildfires, outages due to wildfires and PSPS, and service restoration coordinated with Alerting Authority or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.2.Q2   Does the electrical corporation coordinate roles and responsibilities for designing, preparing, and disseminating public communications before, during and after each incident type with alerting authorities or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.2.Q3   Does the electrical corporation coordinate identification of critical facilities and key community stakeholder groups across the electrical corporation's service territory with alerting authorities or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.2.Q4   Does the electrical corporation coordinate understanding of the specific needs and communication methods required to effectively notify critical facilities, Medical Baseline, and other key community stakeholder groups with alerting authorities or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.2.Q5   Does the electrical corporation coordinate notification protocols and message objectives for each interest group with alerting authorities or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.2.Q6   Does the electrical corporation coordinate available technical resources for public communication systems (e.g., radio, TV, social media) with alerting authorities or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.2.Q7 Does the electrical corporation coordinate targeted messaging and diversity of communication methods per public stakeholder group and incident type with alerting authorities or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.2.Q8 Does the electrical corporation coordinate a means to verify message receipt with alerting authorities or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.2.Q9 Does the electrical corporation coordinate its remedial action plans to address gaps, limitations, and improvement areas with alerting authorities or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

6.3.2.Q10 Does the electrical corporation coordinate identification of critical facilities and key community stakeholder groups across the electrical corporation's service territory by county/city with alerting authorities or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.2.Q11   Does the electrical corporation coordinate understanding of the specific needs and communication methods required to effectively notify AFN customers and other vulnerable populations with alerting authorities or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.2.Q12   Does the electrical corporation coordinate locally relevant notification protocols and message objectives for each interest group with alerting authorities or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.2.Q13   Does the electrical corporation coordinate locally available technical resources for public communication systems (e.g., radio, TV, social media) with alerting authorities or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.2.Q14   Does the electrical corporation assess and obtain feedback from alerting authorities, public interest groups, and critical facilities on the timeliness, quality, and completeness of its messaging?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

6.3.2.Q15   Does the electrical corporation coordinate the assessment and verification that critical facilities and community stakeholder groups not only received emergency notifications, but understood how to act with alerting authorities or public interest groups?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

6.3.2.Q16   Does the electrical corporation assess and verify that critical facilities and community stakeholder groups understand how to act and take appropriate action for all incident types?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

6.3.3   Documentation

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

6.3.3.Q1   Does the electrical corporation document standard wildfire, outages due to wildfires and PSPS events, and service restoration operational policies, protocol, and procedures for communicating to the public before, during and after an incident?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.3.Q2   Does the electrical corporation document physical public communication systems used (e.g., detection and notification systems, communications systems)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.3.Q3   Does the electrical corporation document targeted messaging and communication methods per public stakeholder group and incident type?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.3.Q4   Does the electrical corporation document personnel roles and responsibilities?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.3.Q5   Does the electrical corporation document the resiliency and redundancy of notification and communication systems and methods?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.3.Q6   Does the electrical corporation document its training/simulation exercises and programs?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.3.Q7   Does the information documented include verification of coordination efforts with public safety partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.3.Q8   Does the information documented include verification of completed training and exercises?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.3.Q9   Does the information documented include gaps, limitations, and improvement areas with remedial action plans?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

6.3.3.Q10   Does the information documented include AFN and vulnerable population-specific communication methods and systems?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.3.Q11   Does the information documented include feedback from critical facilities, AFN/vulnerable populations and the general public on timeliness, accuracy, and completeness of messaging?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.3.Q12   Does the information documented include feedback from external third-party evaluation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

6.3.3.Q13   Does the information documented include actions taken to incorporate periodic external third-party feedback?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

6.3.3.Q14   Does the information documented include data collected from drills and after-action reports, and integrated into updated plans?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

6.3.4   Effectiveness

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

6.3.4.Q1   Does the electrical corporation have the ability to measure effectiveness of public notification or communications during or after an emergency?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q2   Does the electrical corporation provide structured training and practice to minimize false alarms to the public for wildfires, outages due to wildfires and PSPS, and service restoration?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q3   Does the electrical corporation provide warnings and alerts using various formats across multiple media platforms to the public for wildfires, outages due to wildfires and PSPS, and service restoration?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q4   Are electrical corporation provided emergency notifications limited to people at risk to the public for wildfires, outages due to wildfires and PSPS, and service restoration?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q5   Does the electrical corporation provide accessibility and translation of information into Spanish and two to three of the most prevalent languages in the service territory to the public for wildfires, outages due to wildfires and PSPS, and service restoration?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q6   Does the electrical corporation provide support services at locations in the community within one hour of wildfire detection; two days before PSPS implementation, outages due to wildfires and PSPS, and service restoration?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q7   Does the electrical corporation provide instructions for emergency protective action and links to credible public safety partners' emergency communications (e.g., shelter-in-place, evacuation) within 30 minutes of wildfire detection; two days before PSPS implementation, outages due to wildfires and PSPS, and

service restoration?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q8   Does the electrical corporation provide public notification (i.e., warnings and alerts) of PSPS incidents no more than two days before wildfires, outages due to wildfires and PSPS, and service restoration?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q9   Does the electrical corporation provide information on customers impacted, and anticipated duration of power outages caused by wildfire and PSPS within four hours of outage?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q10   [Question Removed; April 24, 2023, revision]

6.3.4.Q11   [Question Removed; April 24, 2023, revision]

6.3.4.Q12   Does the electrical corporation provide locations and timing of power restoration at predefined intervals to the public?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

6.3.4.Q13   [Question Removed; April 24, 2023, revision]

6.3.4.Q14   Does the electrical corporation provide the public information on the availability of staff to effectively manage and deploy systems during wildfires and PSPS?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q15   [Question Removed; April 24, 2023, revision]

6.3.4.Q16   Does the electrical corporation provide the public information on cyber-attacks during wildfires and PSPS?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q17   [Question Removed; April 24, 2023, revision]

6.3.4.Q18   [Question Removed; April 24, 2023, revision]

6.3.4.Q19   Does the electrical corporation provide the public information on loss of power due to wildfires and PSPS?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q20   Does the electrical corporation provide messaging that is designed to be specific, consistent, confident, clear, and accurate per IPAWS to the public for wildfires, outages due to wildfires and PSPS, and service restoration?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q21   [Question Removed; April 24, 2023, revision]

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

6.3.4.Q22   Does the electrical corporation conduct post-incident surveys and other forms of public feedback to assess timeliness, accuracy, and completeness of information of impacted populations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q23   [Question Removed; April 24, 2023, revision]

6.3.4.Q24   Does the electrical corporation provide telephonic alert systems?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q25   Does the electrical corporation provide email distribution alerts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q26   Does the electrical corporation provide website override alerts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q27   Does the electrical corporation provide internet-based communication services?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q28   [Question Removed; April 24, 2023, revision]

6.3.4.Q29   Does the electrical corporation provide social media alerts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q30   Does the electrical corporation provide customers the ability to opt-in to different communication modalities?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.3.4.Q31   Does the electrical corporation provide AFN considerations (e.g., TTY/TTD, font size, color analyzer) to the public for wildfires, outages due to wildfires and PSPS, and service restoration?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

6.3.4.Q32　Does the electrical corporation implement corrective plans based on public feedback survey?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

6.3.5　QA/QC and subject matter expert verification

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

6.3.5.Q1　How frequently are maintenance, testing, and inspection of the physical systems that provide detection, alarm, notification, central monitoring, and transmission of "approved" reporting information performed?

Date	Never (0)	Annually (1)	Twice per year (2)	Monthly (3)	Weekly (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

6.3.6 Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

6.3.6.Q1 How spatially resolved is the reported data, practices, and protocols?

Date	Territory-wide resolution (0)	County-level resolution (1)	City-level resolution (2)	Community-level resolution (3)	Neighbor-hood level (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

6.3.7 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation				
Coordination and integration				
Documentation				
Effectiveness				
QA/QC and subject matter expert verification				
Spatial granularity				

6.4 Capability 30. Preparedness and planning for service restoration

6.4.1 Automation

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

6.4.1.Q1 How automated are safety checks prior to re-energization?

Date	Not automated (0)	Partially but <50% (1)	Mostly >=50% (2)	Fully automated (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

Commentary on responses for this sub-capability may be provided below (not required):

6.4.2 Coordination and integration

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

6.4.2.Q1 Is the electrical corporation's re-energization and recovery plan annually coordinated and integrated with all interconnected power entities in the electrical corporation's service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.4.2.Q2   Is the electrical corporation's re-energization and recovery plan annually coordinated and integrated with at least 75% of state, county, and city agencies in the electrical corporation's service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

6.4.2.Q3   Is the electrical corporation's re-energization and recovery plan annually coordinated and integrated with all state, county, and city agencies in the electrical corporation's service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

6.4.2.Q4   Does the electrical corporation participate in annual drills to audit the viability and execution of plans across stakeholders?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

6.4.2.Q5	Does the electrical corporation take a primary partner role in planning, coordinating, and integrating plans across stakeholders?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.4.2.Q6	Does the electrical corporation lead efforts to run annual drills?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

## 6.4.3	Documentation and disclosures

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

6.4.3.Q1	Do the elements considered for the re-energization and recovery plan development and information documented include a risk-informed decision-making framework?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.4.3.Q2   Do the elements considered for the re-energization and recovery plan development and information documented include detailed and actionable policies, procedures, and protocols for power restoration?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.4.3.Q3   Do the elements considered for the re-energization and recovery plan development and information documented include appropriate staffing and contractor resources, training, and qualifications?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

6.4.3.Q4   Do the elements considered for the re-energization and recovery plan development and information documented include personnel roles and responsibilities?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

6.4.3.Q5 Do the elements considered for the re-energization and recovery plan development and information documented include instructions on how to execute duties during plan?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.4.3.Q6 Do the elements considered for the re-energization and recovery plan development and information documented include feedback from external third-party evaluation?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

6.4.3.Q7 Do the elements considered for the re-energization and recovery plan development and information documented include actions taken to incorporate periodic external third-party feedback?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.4.3.Q8 Do the elements considered for the re-energization and recovery plan development and information documented include data collected from drills and after-action reports?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

6.4.4 Level of sophistication

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

6.4.4.Q1 How many ignitions resulted from re-energization in the previous year?

Date	>1 (0)	=1 (1)	=0 (4)
Jan. 1, 2023:			
Jan. 1, 2024:			
Jan. 1, 2025:			
Jan. 1, 2026:			

Commentary on responses for this sub-capability may be provided below (not required):

6.4.5 Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

6.4.5.Q1   How spatially granular are procedures to restore service after a wildfire-related outage?

Date	Territory-wide level (0)	Region-level (1)	Circuit-level (2)	Span level (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

Commentary on responses for this sub-capability may be provided below (not required):

6.4.6 QA/QC and subject matter expert verification

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

6.4.6.Q1 Is the re-energization and recovery plan assessed through subject matter expert review at least once every five years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

6.4.6.Q2 Is the re-energization and recovery plan assessed through subject matter expert review at least once every two years?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.4.6.Q3 Are state/local agencies are involved during the evaluation of the re-energization and recovery plan?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

6.4.6.Q4   Is the re-energization and recovery plan assessed through subject matter expert review at least once every year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

6.4.6.Q5   Is the re-energization and recovery plan assessed through subject matter expert review at least twice every year?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, then the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

6.4.7   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Automation				
Coordination and integration				
Documentation and disclosures				
Level of sophistication				
Spatial granularity				
QA/QC and subject matter expert verification				

6.5 Capability 31. Customer support in wildfire and PSPS emergencies

6.5.1 Comprehensiveness

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

6.5.1.Q1   Does the electrical corporation provide outage reporting (location, expected duration, and cause) to residential and non-residential customers within four hours of wildfire and PSPS incidents?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.5.1.Q2   Does the electrical corporation provide support for low-income residential and non-residential customers within four hours of wildfire and PSPS incidents?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.5.1.Q3   [Question Removed; April 24, 2023, revision]

6.5.1.Q4   [Question Removed; April 24, 2023, revision]

6.5.1.Q5   [Question Removed; April 24, 2023, revision]

6.5.1.Q6   [Question Removed; April 24, 2023, revision]

6.5.1.Q7   Does the electrical corporation provide repair and re-energization timelines to residential and non-residential customers within four hours of the termination of PSPS incidents?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.5.1.Q8   Does the electrical corporation provide a list and description of community assistance locations and services to residential and non-residential customers within four hours of wildfire and PSPS incidents?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.5.1.Q9   Does the electrical corporation provide Medical Baseline support services to residential and non-residential customers within four hours of wildfire and PSPS incidents?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.5.1.Q10   Does the electrical corporation provide access to electrical corporation representatives to residential and non-residential customers within four hours of wildfire and PSPS incidents?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.5.1.Q11   Does the electrical corporation track metrics that measure customer access to information on customer service calls and web host availability?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

6.5.1.Q12   Is the electrical corporation's call Center busies calculation is lower than Level-1?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

6.5.1.Q13   Does the electrical corporation evaluate customer access metrics and web host availability metrics, and develop corrective action plans where deficiencies are identified?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

6.5.2 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Comprehensiveness				

6.6 Capability 32. Learning after wildfires and PSPS incidents

6.6.1 Learning and continuous improvement

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

6.6.1.Q1   How frequently is proactive diagnostic/performance testing recorded and evaluated to identify lessons learned and implement corrective action plans?

Date	Never (0)	Annually (1)	Monthly (2)	Weekly (3)	Daily (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

6.6.1.Q2   How frequently are post-fire incident data and operations collection such as origin and cause recorded and evaluated to identify lessons learned and implement corrective action plans?

Date	Never (0)	Annually (1)	Monthly (2)	Weekly (3)	Daily (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

6.6.1.Q3   How frequently are environmental risk factors (e.g., weather conditions, vegetation conditions) recorded and evaluated to identify lessons learned and implement corrective action plans?

Date	Never (0)	Annually (1)	Monthly (2)	Weekly (3)	Daily (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

6.6.1.Q4   How frequently are staff and contractor behaviors recorded and evaluated to identify lessons learned and implement corrective action plans?

Date	Never (0)	Annually (1)	Monthly (2)	Weekly (3)	Daily (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

6.6.1.Q5   How frequently are wildfire emergency management data recorded and evaluated to identify lessons learned and implement corrective action plans?

Date	Never (0)	Annually (1)	Monthly (2)	Weekly (3)	Daily (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

6.6.1.Q6   How frequently are technical systems performance (e.g., detection, alarm, notification) recorded and evaluated to identify lessons learned and implement corrective action plans?

Date	Never (0)	Annually (1)	Monthly (2)	Weekly (3)	Daily (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

6.6.1.Q7   How frequently are interactions with response and other government agencies recorded and evaluated to identify lessons learned and implement corrective action plans?

Date	Never (0)	Annually (1)	Monthly (2)	Weekly (3)	Daily (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

6.6.1.Q8   How frequently are pre-incident diagnostics, drills, training, and stress-testing recorded and evaluated to identify lessons learned and implement corrective action plans?

Date	Never (0)	Annually (1)	Monthly (2)	Weekly (3)	Daily (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

6.6.2   QA/QC and subject matter expert verification

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

6.6.2.Q1   How frequently do subject matter experts verify the effectiveness of updated plans?

Date	Never (0)	Annually (2)	Twice per year (3)	Quarterly (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

6.6.2.Q2   How frequently do third-party entities verify the effectiveness of updated plans?

Date	Never (1)	Annually (2)	Twice per year (3)	Quarterly (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

6.6.2.Q3   How frequently do "Dry runs" verify the effectiveness of updated plans?

Date	Never (1)	Annually (2)	Twice per year (3)	Quarterly (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

6.6.2.Q4   Are there procedures for "Dry runs," subject matter expert and third-party entities verification in place to evaluate the effectiveness of updated plans?

Date	No (1)	Yes, once per year (2)	Yes, twice per year (3)	Yes, four times per year (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

6.6.2.Q5   How frequently is feedback implemented into the plans?

Date	Never (1)	<30 days (2)	<7 days (3)	<1 day (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

Commentary on responses for this sub-capability may be provided below (not required):

6.6.3 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Learning and continuous improvement				
QA/QC and subject matter expert verification				

6.7 Category scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Capability	Maturity Level				Limiting Areas
	2023	2024	2025	2026	
Wildfire and PSPS emergency and disaster preparedness plan					
Collaboration and coordination with public safety partners					
Public emergency communication strategy					
Preparedness and planning for service restoration					
Customer support in wildfire and PSPS emergencies					
Learning after wildfires and PSPS incidents					

7 Category G. Community Outreach and Engagement

7.1 Capability 33. Public outreach and education awareness

7.1.1 Comprehensiveness

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

7.1.1.Q1   Does the electrical corporation provide a community outreach and education awareness program before, during and after wildfire and PSPS incidents?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.1.1.Q2   Does the electrical corporation identify and evaluate all key community stakeholder groups across the electrical corporation's service territory before, during, and after an incident?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.1.1.Q3   Does the electrical corporation identify specific concerns, interests, and needs for outreach and education awareness for each community stakeholder groups before, during, and after an incident?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.1.1.Q4   Does the electrical corporation identify key community partnerships to collaborate and coordinate on wildfire and PSPS public education and awareness efforts before, during, and after an incident?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.1.1.Q5   Does the electrical corporation develop and implement operational strategies and resources to establish and sustain public outreach and education program activities before, during, and after an incident?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.1.1.Q6   Has the electrical corporation developed and implemented a diverse range of outreach and educational awareness programs targeted to address the specific needs and concerns of each community stakeholder group?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

7.1.1.Q7   Are the outreach and educational awareness programs specific to each county in the electrical corporation's service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.1.1.Q8   Has the electrical corporation established working relationships with a minimum of 4 community partners per county within the electrical corporation's service territory to coordinate and collaborate on public outreach and education awareness activities?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.1.1.Q9   Does the electrical corporation obtain feedback from public on community outreach and educational awareness programs?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

7.1.1.Q10   Does the electrical corporation support (e.g., grants, access to electrical corporation representatives) public outreach and education awareness programs (e.g., chipper days, HIZ assessments, townhalls) managed by local community partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.1.1.Q11   Does the electrical corporation obtain targeted feedback (e.g., host meetings, townhalls) from each community stakeholder group on public on community

outreach and educational awareness programs annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

7.1.1.Q12   Has the electrical corporation identified and established working relationships with at least 1 community partner for each of the key community stakeholder groups at the County and/or City level within the electrical corporation's territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.1.1.Q13   Does the electrical corporation coordinate, collaborate and support all community partners on their respective community outreach and educational awareness programs annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

7.1.2   Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

7.1.2.Q1   How spatially granular are the public outreach and education awareness program(s) for wildfires, outages due to wildfire or PSPS events, power restoration before, during and after the incident?

Date	No programs (0)	Enterprise-wide level (1)	County-wide level (2)	City-wide level (3)	Community level (e.g. a grouping of neighborhoods or sub-area of a city/town/unincorporated lands with common living characteristics as defined locally) (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

7.1.3   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Comprehensiveness				
Spatial granularity				

7.2 Capability 34. Public engagement in electrical corporation wildfire mitigation planning

7.2.1 Comprehensiveness

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

7.2.1.Q1   Does the electrical corporation provide public engagement or participatory activities as part of its wildfire mitigation planning process, which informs Energy Safety's annual WMP/WMP Update submission and evaluation process in accordance with Public Utilities Code section 8386 and Energy Safety requirements?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

7.2.1.Q2   Does the electrical corporation develop and implement structured programs that give citizens and representative public interest groups accessible means and methods to provide feedback?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.2.1.Q3   Does the electrical corporation establish several participatory activities for representative community interest groups and civil society groups in its wildfire mitigation planning process?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.2.1.Q4   Does the electrical corporation establish working groups or other advisory panels represented by community interest groups that the electrical corporation consults to better integrate community needs into its wildfire mitigation planning?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.2.1.Q5   Does the electrical corporation provide engagement and participation throughout its wildfire mitigation planning?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.2.1.Q6   Does the electrical corporation identify public interest group's role and responsibilities?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

7.2.1.Q7   Has the electrical corporation developed and implemented public engagement activities as the county-level?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

7.2.1.Q8   Has the electrical corporation developed and implemented public engagement activities at the community-level?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

7.2.2   Frequency

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

7.2.2.Q1   Are there public engagement or participatory activities in the electrical corporation's wildfire mitigation planning process?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.2.2.Q2   Does the electrical corporation seek public engagement, feedback, and participation in its wildfire mitigation planning process at least once annually as part of its base WMP or WMP Update submission to Energy Safety?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

7.2.2.Q3   Does the electrical corporation seek public engagement, feedback, and participation in its wildfire mitigation planning process after every major wildfire or PSPS event?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

7.2.3 Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

7.2.3.Q1 Are public engagement or participatory activities in the electrical corporation's wildfire mitigation planning process based on a community-wide level?

Date	No public engagement or participatory activities in the electrical corporation's wildfire mitigation planning process (0)	No, based on statutory minimums (i.e., as part of the annual WMP submission and evaluation process) (1)	No, enterprise-wide level (2)	No, county-wide level (3)	Yes (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

7.2.4　　Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Comprehensiveness				
Frequency				
Spatial granularity				

7.3 Capability 35. Engagement with AFN and socially vulnerable populations

7.3.1 Comprehensiveness

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

7.3.1.Q1   Does the electrical corporation identify and evaluate AFN, Medical Baseline, and socially vulnerable stakeholder groups across its service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.3.1.Q2   Does the electrical corporation understand the extent, size and distribution of AFN, Medical Baseline, and socially vulnerable populations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.3.1.Q3   Does the electrical corporation identify specific concerns, interests, and needs before, during and after a wildfire or PSPS event for each vulnerable group?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.3.1.Q4   Does the electrical corporation develop and implement a diverse range of outreach, educational, engagement and support programs targeted to the specific needs and concerns of each vulnerable group?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.3.1.Q5   Does the electrical corporation develop and implement operational strategies and resources to establish and sustain AFN, Medical Baseline, and socially vulnerable group activities?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

7.3.1.Q6   Does the electrical corporation understand the extent, size and distribution of AFN, Medical Baseline, and socially vulnerable populations by county?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.3.1.Q7   Does the electrical corporation establish working relationship with a minimum of four community partners per county within the electrical corporation's service territory to coordinate and collaborate on engagement activities for AFN, Medical Baseline, and socially vulnerable populations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.3.1.Q8   Does the electrical corporation develop and implement a diverse range of outreach, educational engagement and support programs targeted and specifics to the needs of vulnerable group at country level?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.3.1.Q9   Does the electrical corporation obtain feedback from vulnerable populations and/ or representatives of AFN, Medical Baseline, and socially vulnerable populations on accessibility and effectiveness of engagement activities?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

7.3.1.Q10   Does the electrical corporation support (e.g., with grants, access to electrical corporation representatives) AFN, Medical Baseline, and other socially vulnerable populations engagement activities and programs managed by local community partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.3.1.Q11   Does the electrical corporation obtain targeted feedback (e.g., host meetings) from each AFN, Medical Baseline, and socially vulnerable populations on accessibility and effectiveness of engagement activities annually and after major incidents?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following

question(s) is **NO**, the maturity in this sub-capability is 3.

7.3.1.Q12   Does the electrical corporation identify and establish working relationships with at least one community partner for each of the key AFN, Medical Baseline, and socially vulnerable groups at the county and/or city level within the electrical corporation's service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.3.1.Q13   Does the electrical corporation coordinate, collaborate, and support all community partners on their respective vulnerable populations outreach, educational, and support programs annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

7.3.2 Effectiveness

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

7.3.2.Q1   Does the electrical corporation seek feedback from AFN, Medical Baseline, and socially vulnerable populations and/or representatives of such groups on accessibility and effectiveness of engagement activities annually?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this subsection is 1.

7.3.2.Q2   Does the electrical corporation annually update program and activities based on feedback from AFN, Medical Baseline, and socially vulnerable populations and/or representatives of such groups on accessibility and effectiveness of engagement activities?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this subsection is 2.

7.3.2.Q3   Does the electrical corporation update program and activities after every major incident based on feedback from AFN, Medical Baseline, and socially vulnerable populations and/or representatives of such groups on accessibility and effectiveness of engagement activities?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this subsection is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

7.3.2.Q4   At what level does the electrical corporation demonstrate its engagement (i.e., outreach, education, and support) to the AFN, Medical Baseline, and socially vulnerable populations before, during and after a wildfire and/or PSPS event in its service territory?

Date	<50 % (0)	>= 50-75% (1)	>= 75-90% (2)	>= 90-95% (3)	>=95% (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

7.3.2.Q5   At what level does the electrical corporation provide support services prior to and during PSPS outages, provides back-up power (e.g., generators) to Medical Baseline customers who are at an elevated risk due to lack of power?

Date	<90 % (0)	90% (1)	95% (2)	99% (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Ascending				
B. Tiered response				
Total. Effectiveness				

Commentary on responses for this sub-capability may be provided below (not required):

7.3.3   Spatial granularity

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

7.3.3.Q1   How spatially granular are electrical corporation engagement (i.e., outreach, education, and support) programs with AFN, Medical Baseline, and socially vulnerable populations?

Date	No programs (0)	Statutory minimums (1)	Enterprise-wide (2)	County-wide (3)	Community Wide (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

7.3.4 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Comprehensiveness				
Effectiveness				
Spatial granularity				

7.4 Capability 36. Collaboration on local wildfire mitigation planning

7.4.1 Comprehensiveness

Maturity in this sub-capability is equal to the minimum of that achieved in subsections **a-b**.

A. Ascending

Maturity in this subsection is 0 if the answer to **any** of the following question(s) is **NO**.

7.4.1.Q1 Does the electrical corporation identify relevant county, city, tribal and civil society groups conducting wildfire mitigation planning across the electrical corporation's service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.4.1.Q2 Does the electrical corporation identify local wildfire mitigation planning programs, activities and/or documents and level of collaboration, and date of collaboration to which the electrical corporation has contributed?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.4.1.Q3 Does the electrical corporation identify key community partnerships to collaborate and coordinate on wildfire and PSPS mitigation planning efforts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.4.1.Q4 Does the electrical corporation develop and implement sustainable operational strategies to provide necessary resources to support and collaborate on local

wildfire mitigation planning efforts?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

7.4.1.Q5 Has the electrical corporation established working relationships with at least 4 community partners per county within the electrical corporation's service territory?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.4.1.Q6 Does the electrical corporation provide annual feedback and input on at least 4 local wildfire mitigation activities (e.g., CWPPs, safety elements in general plans, local hazard mitigation plans)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.4.1.Q7 Is the frequency of electrical corporation's effort based on the update cycle of the respective planning effort (e.g., every five years for a CWPP)?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

7.4.1.Q8 Does the electrical corporation take an active and proactive role in supporting local wildfire mitigation planning managed by local community partners?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

B. Tiered response

Maturity in this subsection is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

7.4.1.Q9 What percentage of community partners does the electrical corporation establish working relationships and provide support for in conducting local wildfire mitigation planning in the electrical corporation's service territory?

Date	0-25% (2)	25-50% (2)	50-75% (2)	75-90% (3)	>90% (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

C. Multi-criteria maturity level

(Sub)section	Maturity Level			
	2023	2024	2025	2026
A. Ascending				
B. Tiered response				
Total. Comprehensiveness				

Commentary on responses for this sub-capability may be provided below (not required):

7.4.2 Frequency

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

7.4.2.Q1   How frequently does the electrical corporation collaborate on local wildfire mitigation planning with community partners?

Date	>5 years (0)	Once every 5 years (1)	Once every 2 – 4 years (2)	Annually (3)	More than once per year (4)
Jan. 1, 2023:					
Jan. 1, 2024:					
Jan. 1, 2025:					
Jan. 1, 2026:					

Commentary on responses for this sub-capability may be provided below (not required):

7.4.3   Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Comprehensiveness				
Frequency				

7.5 Capability 37. Cooperation and best practice sharing with other electrical corporations

7.5.1 Comprehensiveness

Maturity in this sub-capability is based on the total number of questions answered **YES**. The following table summarizes the score achieved based on the number of questions answered **YES**.

Quantity-Yes	Maturity Level
$N < 2$	0
$2 \leq N < 4$	1
$4 \leq N < 6$	2
$6 \leq N < 8$	3
$N = 8$	4

7.5.1.Q1   Does the electrical corporation cooperate or participate in best practice sharing through benchmarking risk and risk component calculations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.5.1.Q2   Does the electrical corporation cooperate or participate in best practice sharing through benchmarking risk event data and corrective actions with other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.5.1.Q3   Does the electrical corporation cooperate or participate in best practice sharing through benchmarking weather forecasts with those of other electrical corporations and government agencies?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.5.1.Q4 Does the electrical corporation cooperate or participate in best practice sharing through benchmarking near-real-time data collected for wildfire monitoring of other electrical corporations and government agencies?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.5.1.Q5 Does the electrical corporation cooperate or participate in best practice sharing through comparing asset inspection, maintenance and repair procedures, training, and lessons learned with other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.5.1.Q6 Does the electrical corporation cooperate or participate in best practice sharing through comparing vegetation inspection, management, treatment procedures, training, and lessons learned with other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.5.1.Q7 Does the electrical corporation cooperate or participate in best practice sharing through comparing grid operations procedures for minimizing ignition and PSPS risk factors with other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.5.1.Q8   Does the electrical corporation cooperate or participate in best practice sharing through comparing processes and protocols for learning following wildfire and PSPS events electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

7.5.2   Frequency

Maturity in this sub-capability is equal to the minimum maturity of the selected response(s). Each response's maturity is indicated in parentheses.

7.5.2.Q1   How frequently does the electrical corporation cooperate or share information with other electrical corporations?

Date	No (0)	At least once per year (1)	At least once per quarter (2)	At least once per month (4)
Jan. 1, 2023:				
Jan. 1, 2024:				
Jan. 1, 2025:				
Jan. 1, 2026:				

Commentary on responses for this sub-capability may be provided below (not required):

7.5.3 Standard processes

Maturity in this sub-capability is 0 if the answer to **any** of the following question(s) is **NO**.

7.5.3.Q1 Does the electrical corporation have standard procedures exchanging best practices and lessons learned with other California electrical corporations and implementing information from other electrical corporations regarding ignition prevention and suppression?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 1.

7.5.3.Q2 Does the electrical corporation seek out information from and provides information to other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

7.5.3.Q3   Does the electrical corporation have a consistent format and venue/medium through which information is exchanged?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 2.

7.5.3.Q4   Does the electrical corporation participate in task groups focused on sharing lessons learned and improving best practices?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, and the answer to **any** of the following question(s) is **NO**, the maturity in this sub-capability is 3.

7.5.3.Q5   Does the electrical corporation have standard process for testing applicability of best practices and lessons learned of other electrical corporations?

Date	No	Yes
Jan. 1, 2023:		
Jan. 1, 2024:		
Jan. 1, 2025:		
Jan. 1, 2026:		

If the answer to all previous questions is **YES**, the maturity in this sub-capability is 4.

Commentary on responses for this sub-capability may be provided below (not required):

7.5.4 Capability scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Sub-capability	Maturity Level			
	2023	2024	2025	2026
Comprehensiveness				
Frequency				
Standard processes				

7.6   Category scoring table

Fill out the following scoring table for this category based on the previously provided scoring instructions.

Capability	Maturity Level				Limiting Areas
	2023	2024	2025	2026	
Public outreach and education awareness					
Public engagement in electrical corporation wildfire mitigation planning					
Engagement with AFN and socially vulnerable populations					
Collaboration on local wildfire mitigation planning					
Cooperation and best practice sharing with other electrical corporations					