

R.18-10-007

Trans Bay Cable (TBC)

CPUC Wildfire Safety Division Data Request Regarding 2020 Wildfire Mitigation Plan

Date Received: March 13, 2020

Date Responded: March 18, 2020

1. Item Index: TBC-43900-E-781

Specific Data Request:

Describe the change between TransBay's 2019 and 2020 WMP submission (i.e. programmatic or changes in initiatives changes in 2019 but not kept in 2020; were there strategies or tactics used in 2019 that changed in 2020)?

Response:

There were no material changes between Trans Bay Cable LLC's ("Trans Bay") 2019 and 2020 Wildfire Mitigation Plan ("WMP") submission. As noted in its WMP, due to the limited scale and scope of Trans Bay's operations which are not located in any HFTD or wildlands, Trans Bay does not maintain a specific Wildfire Mitigation Program or undertake initiatives solely focused on wildfire mitigation. In the alternative, Trans Bay continued to maintain its robust overall Fire Prevention Program and operational practices in conjunction with the risk assessment and mitigation elements detailed in the 2019 and 2020 WMPs that have the desired preventive effect. Trans Bay also continued undertaking a number of initiatives, identified in the 2019 and 2020 WMPs, to implement seismic hardening and infrastructure that reduces system susceptibility to producing ignition events under earthquake and catastrophic fault conditions as part of an overall operational risk mitigation strategy.

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2. Item Index: TBC-43903-Y-15

Specific Data Request:

Provide planned initiative data at the most granular level possible for each initiative activity (e.g., each asset location for each activity under an initiative). The exact schema for the spatial data can be found in the attached excel file, "20200311_Initiative_schema", in the sheet "Initiative schema for utilities". The priority for each field is listed in the "priority" column. An example of the table is provided in the sheet "Initiative Template". Table should be organized as shown in "Initiative Template" sheet with the column names matching "Field Name Shapefile" column in the "Schema" sheet. Each field is explained in the "Field description" column, and type of data for each field is in the "Field Type". Attached to this dataset should be lat/lon points corresponding to each row in the data

Response:

As noted in Trans Bay's 2020 WMP, due to the limited scale and scope of Trans Bay's operations which are not located in any HFTD or wildlands, TBC does not maintain a specific Wildfire Mitigation Program or undertake initiatives solely focused on wildfire mitigation. As a result, data set is null.

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3. Item Index: TBC-43903-Y-16

Specific Data Request:

Provide asset spatial data at the individual asset level for each of the asset categories listed (substations, weather stations, capacitor banks, conductors, poles, transmission lines and distribution lines). The exact schema for the spatial data can be found in the attached excel file, "20200311_Asset_schema", in the sheets "Asset schema for utils - points" and "Asset schema for utils - lines". The priority for each field is listed in the "priority" column. An example of the table is provided in the "Asset Template" sheets. Table should be organized as shown in "Asset Template" sheets with the column names matching "Field Name Shapefile" column in the "Schema" sheet. Each field is explained in the "Field description" column, and type of data for each field is in the "Field Type". Attached should be two spatial files, one for points data and one for lines data, where each dataset should have its respective shape features (lat/lon points or lines) corresponding to each row in the data

Response:

Asset spatial data provided in attached file named: "20200318_Asset_schema_TBC". Due to the limited scale and scope of Trans Bay operations and the fact that Trans Bay's facilities have only been in operation for ten (10) years (a relatively short life of system operation in comparison to other transmission systems), insufficient data exists to develop failure and ignition probability data excepting the submarine cable which is assessed to have a zero (0) ignition probability due to the persistent non-flammability of the surrounding water.

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Date Received: March 13, 2020

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4. Item Index: TBC-43903-Y-25

Specific Data Request:

Provide PSPS event data at the circuit level (i.e., each circuit shut-off in an event should have its own row in the shapefile dataset). The exact schema for the spatial data can be found in the attached excel file, "20200303_PSPS_schema", in the sheet "PSPS Schema for utilities". "Risk drivers" should be the same across circuits in an event, but all other values should be unique to each circuit. The priority for each field is listed in the "priority" column. An example of the table is provided in the sheet "PSPS Event Template". Table should be organized as shown in "Example onlyPSPS Event Template" sheet with the column names matching "Field Name Shapefile" column in the "Schema" sheet. Each field is explained in the "Field description" column, and type of data for each field is in the "Field Type", and priority of data being received by CPUC is in the "Priority" column

Response:

Trans Bay has never issued a PSPS as stated in the 2020 Wildfire Mitigation Plan Sections 2.3, 2.7, 3.3, 4, and 4.4. Data set is null.

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Date Received: March 13, 2020

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5. Item Index: TBC-43903-Y-26

Specific Data Request:

Provide the most recent map of overhead distribution, transmission, and substation facilities (as was provided earlier) in high-fire threat regions with additional fields for...

1. Ignition probability – projected likelihood of target asset causing an ignition in the next year (0.0 – 1.0)
2. Failure probability – projected likelihood of target asset failing in the next year (0.0 – 1.0)
3. Wildfire spread and consequence score (normalized from 0.0 – 1.0) – relative ability ignition spread and quantity of homes or timber affected if ignition occurs
4. Prioritization ranking of assets for maintenance – calculated ranking of assets for prioritizing asset maintenance, upgrades, and equipment replacement. This is a percentile ranking with 99th percentile being highest priority and 0th percentile being lowest priority for asset maintenance

Response:

Trans Bay provided no such cited map as Trans Bay does not operate any facilities or infrastructure in high threat fire regions.