

United Energy 2015 DAPR

Network Constraint Map Guide



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1. Introduction

1.1 Background

United Energy (UE) has produced a Google Earth KMZ file as part of the Distribution Annual Planning Report (DAPR) which highlights the network constraint faced at the Sub-Transmission, Zone Substation and Distribution feeder levels.

1.2 Required Software

- Google Earth – (<http://www.google.com/earth/download/ge/agree.html>)

2. Map

The Network Constraint Map is comprised of a few layers:

1. UE Boundary (Black border and shaded in black)
2. Council Boundary (Blue border)
3. Sub-transmission Loop Limitation (Area shaded in yellow)
4. Zone Substation Loop Limitation (Area shaded in red)
5. Distribution Feeder Limitation (Line in red)

Please note if an area of the Sub-transmission loop intersect with that of a Zone Substation (when both selected at the same time), the area will be shaded in orange.

Toggleing between the selections can be done in the Google Earth sidebar, as shown in the figure below:

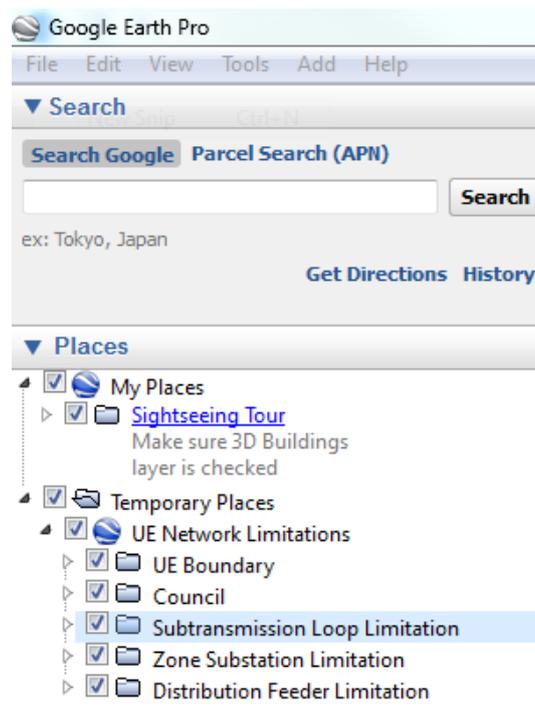


Figure 1: Layer View in Google Earth

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2.1 Overview

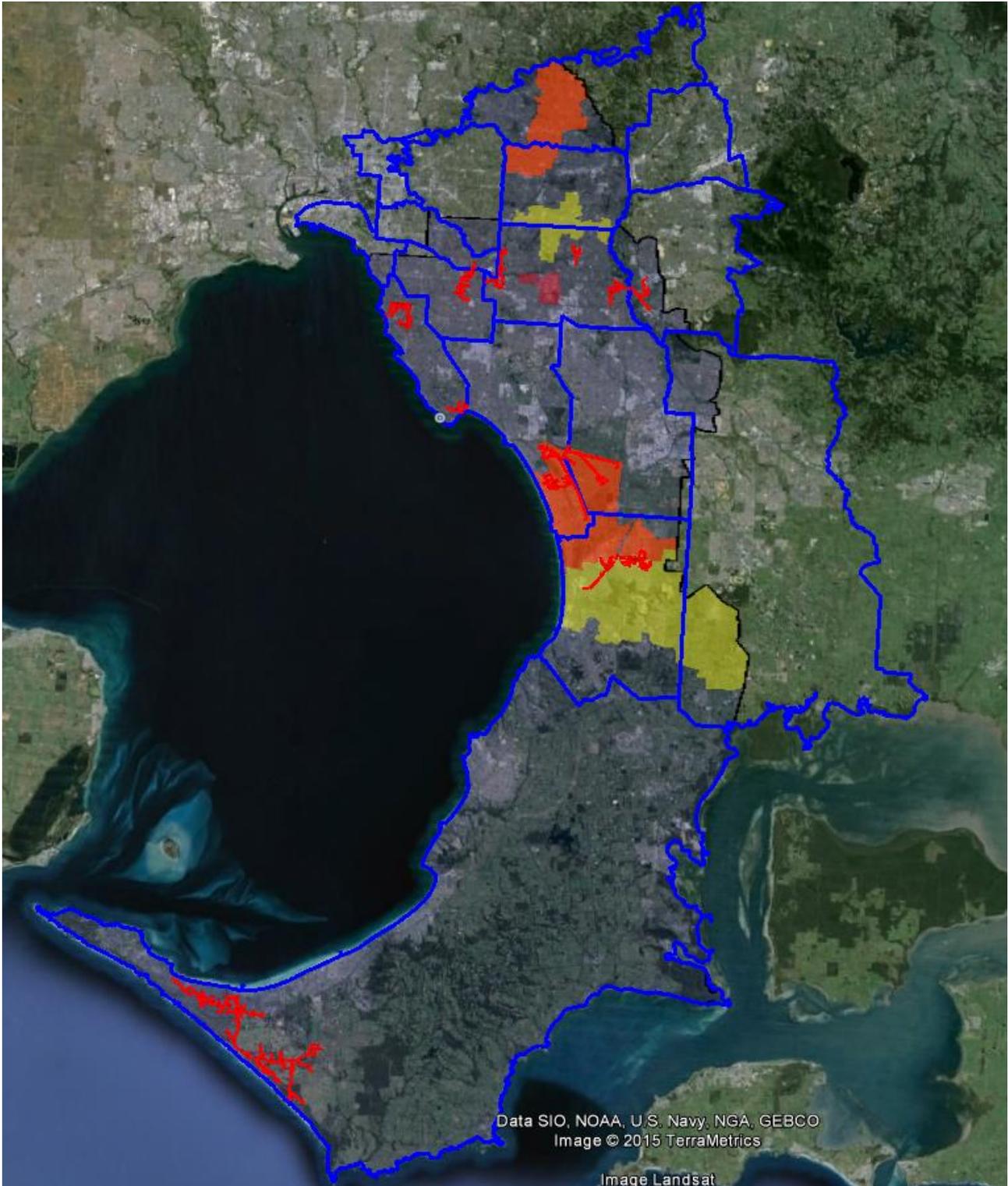


Figure 2: Overview of the Network Constraint Map

2.2 Information regarding specific limitation

To obtain more information on any of the constraints, simply click on the constraint area (distribution feeder, zone-substation, sub-transmission).

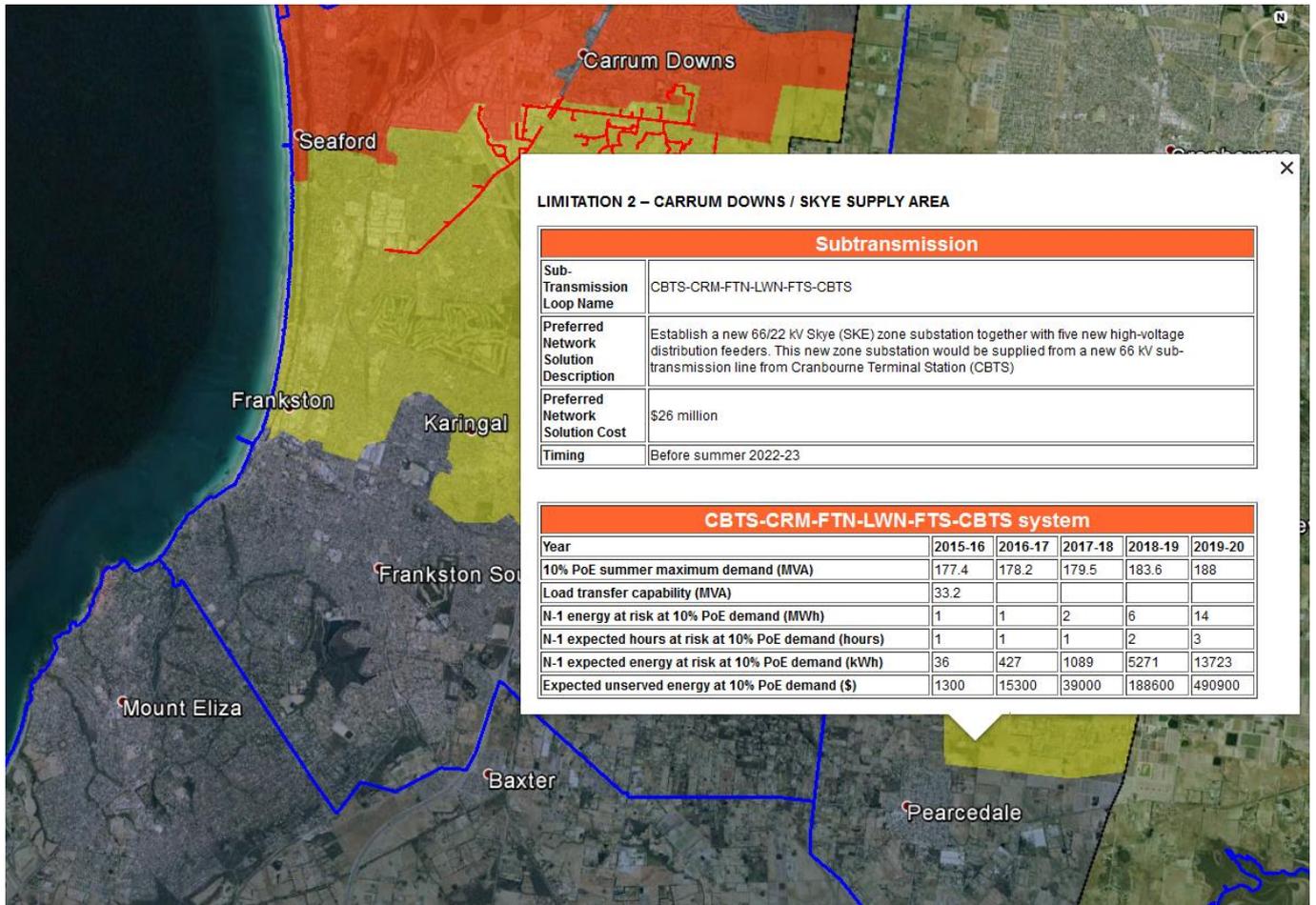


Figure 3: Detailed information regarding constraint

An information box will pop up with some basic details about the constraint area, as shown in Figure 3. For further information, please refer to the full UE 2015 DAPR published on the UEMG website.

Please note that to access certain information on certain areas with multiple layers (eg. Accessing sub-transmission loop limitation on an area overlapped with that of a zone substation), the top most layer should be disabled first.