

EE 741 - Assignment # 6

Analyze the PV hosting capacity at each node of the 13 node IEEE test circuit, without the voltage regulator and capacitor bank. Assume the specified load is the yearly maximum, and the yearly minimum is equal to 1/3 of this value.

- 1) Consider under- and over-voltage as the limiting factor.
- 2) Repeat 1) when the step voltage regulator is in place.
- 3) Repeat 1) when PV is distributed at all nodes.
- 4) Repeat 1) when the step voltage regulator is in place.