

Study PV customer penetrations: 2%, 4%, 6%, ..., 100%.

Identify all candidate customers that can have PV installation.

Randomly select PV locations from candidate customers until reaching the defined customer penetration level.

Generate PV Deployments

Perform voltage analysis and obtain the PV power causing 1st voltage violation.

For Each
Customer
Penetration

Determine PV Hosting Capacity using (1).

$$HC = \min \{hc_1, hc_2, \dots, hc_{totalScenario}\} \quad (1)$$