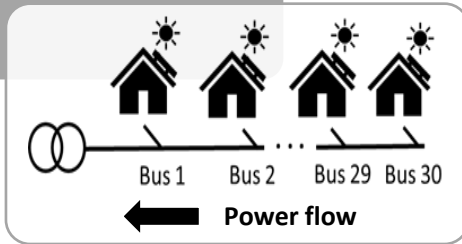


Research on an energy control method for electricity markets considering distribution network constraints

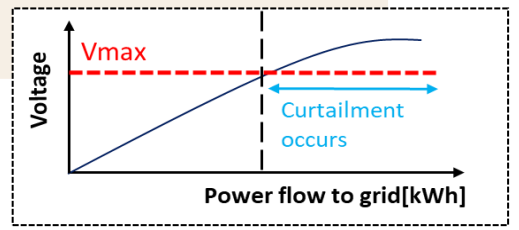
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Background Cost competitiveness of solar PV resources and energy sector reforms have increased participation of residential PV in electricity markets.

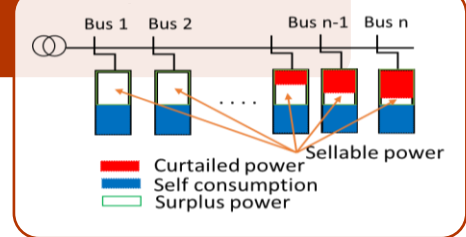
Reverse power flows



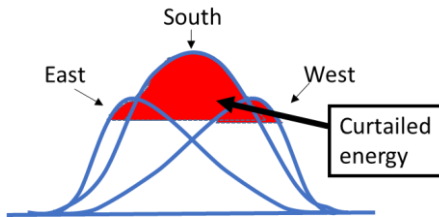
Cause voltage violations



Unfair curtailment



Proposal & Method



❖ Installation of east-west facing vertical bifacial PVs

Vertical east-west facing bifacial installations reduce curtailment, improve fairness & energy sales.

Results

