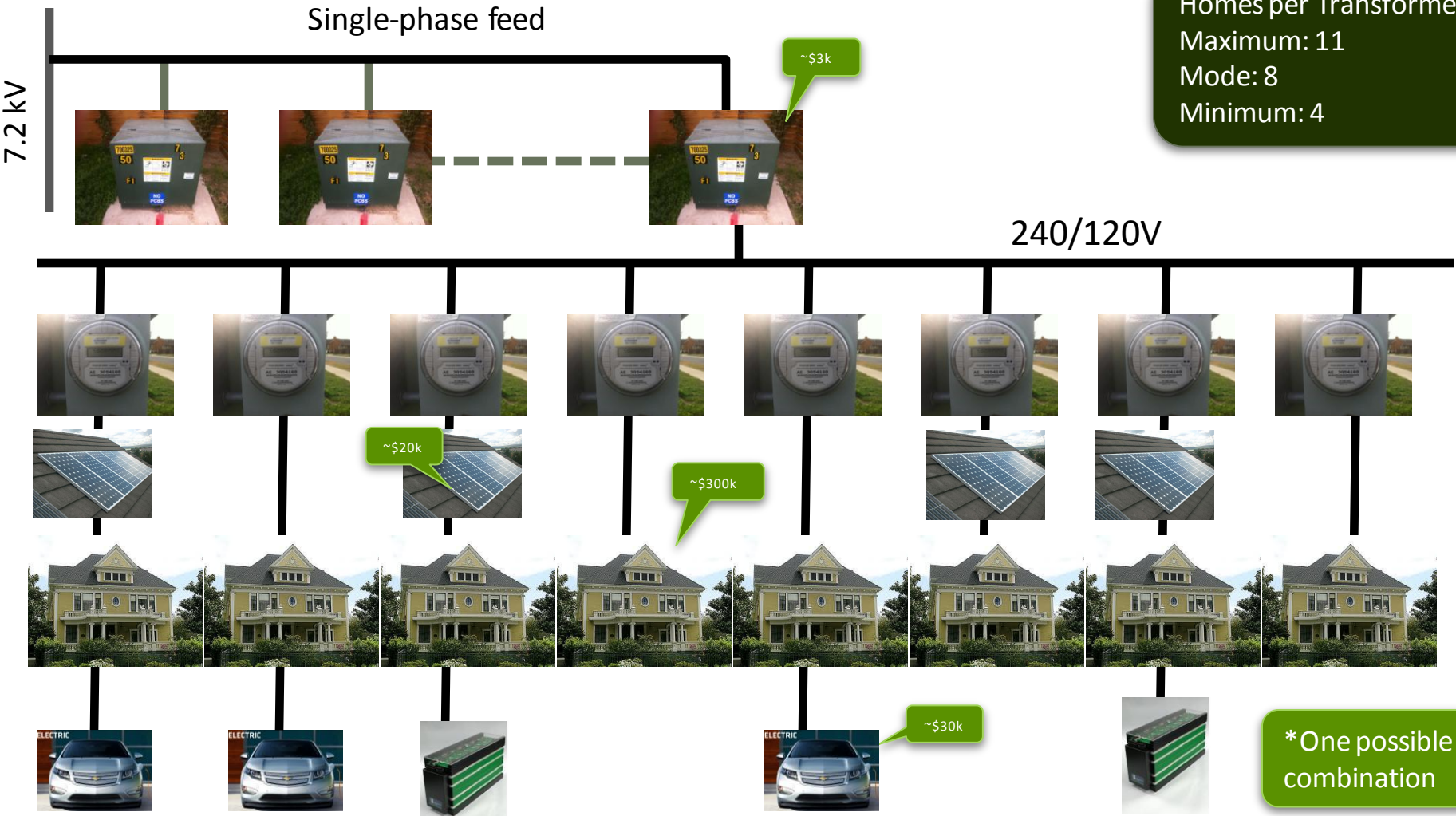




DISTRIBUTION TRANSFORMERS*

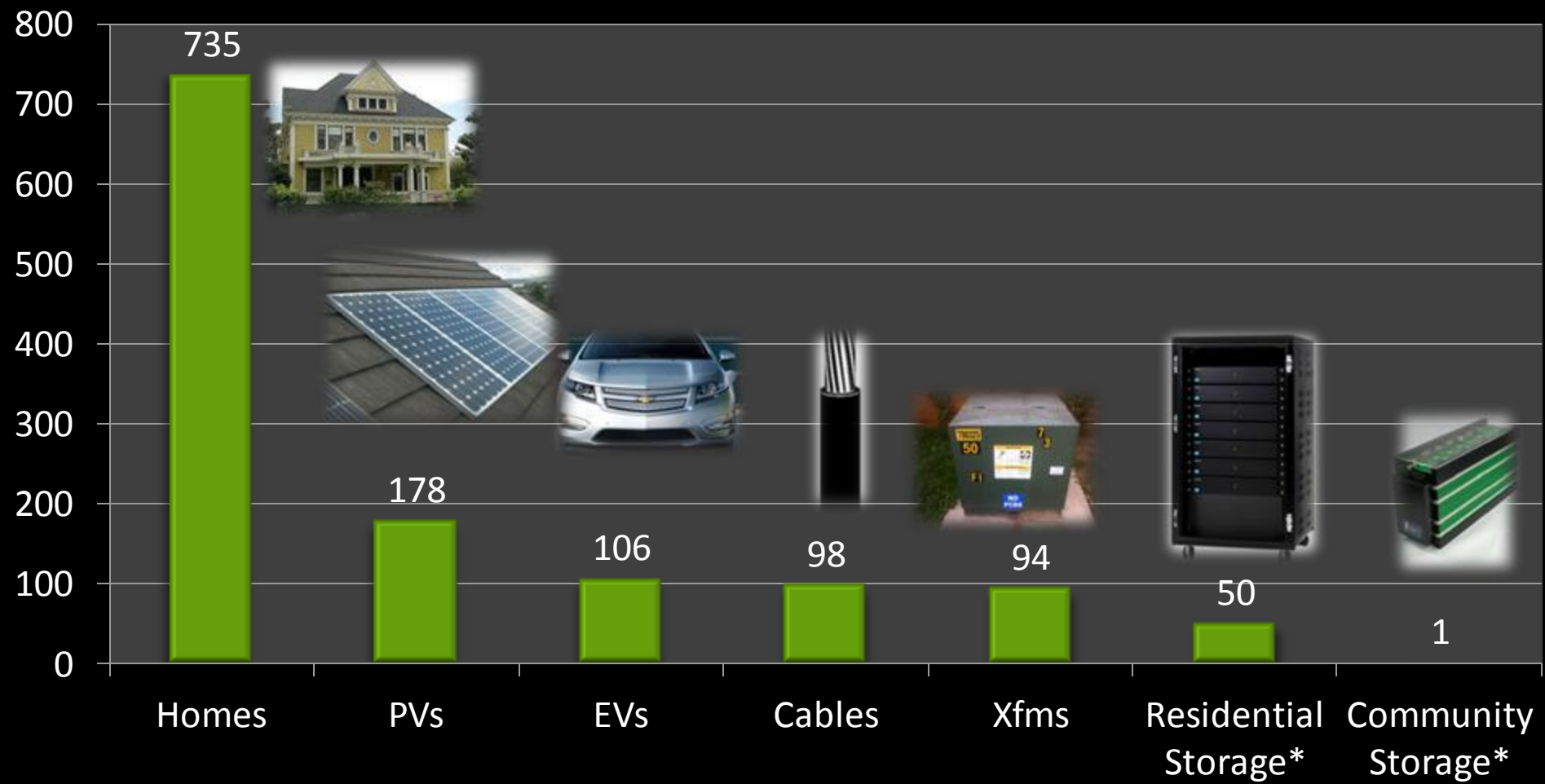
Homes per Transformer:
Maximum: 11
Mode: 8
Minimum: 4





Center for Electromechanics

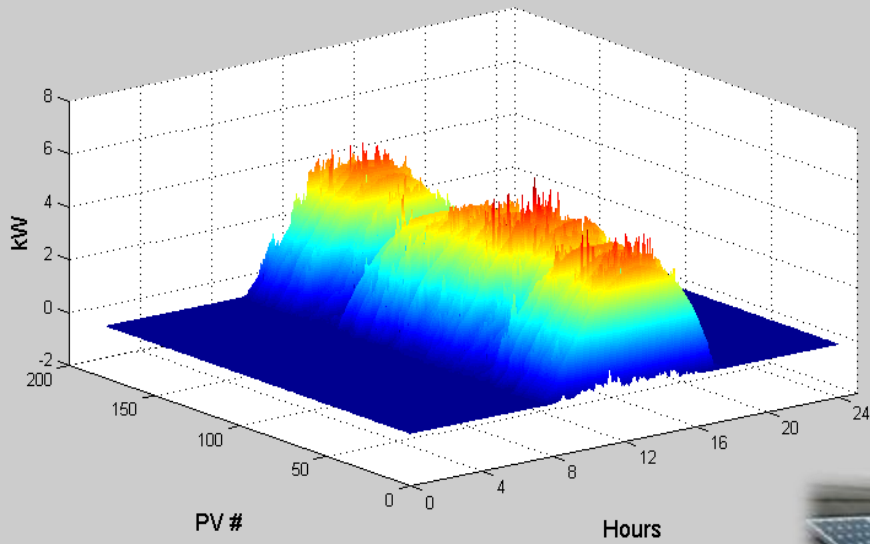
CASE STUDY



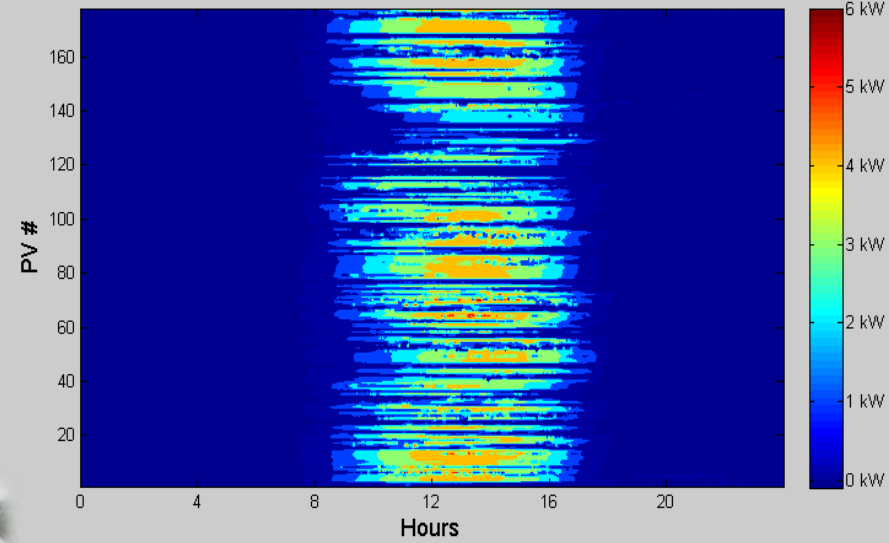
*not included in this study

PV GENERATION (REAL DATA)

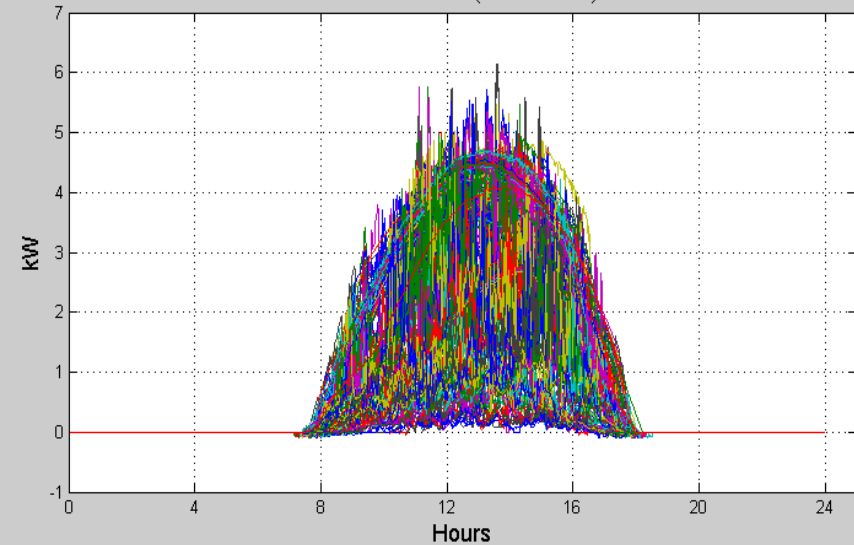
PV Generation (3D view)



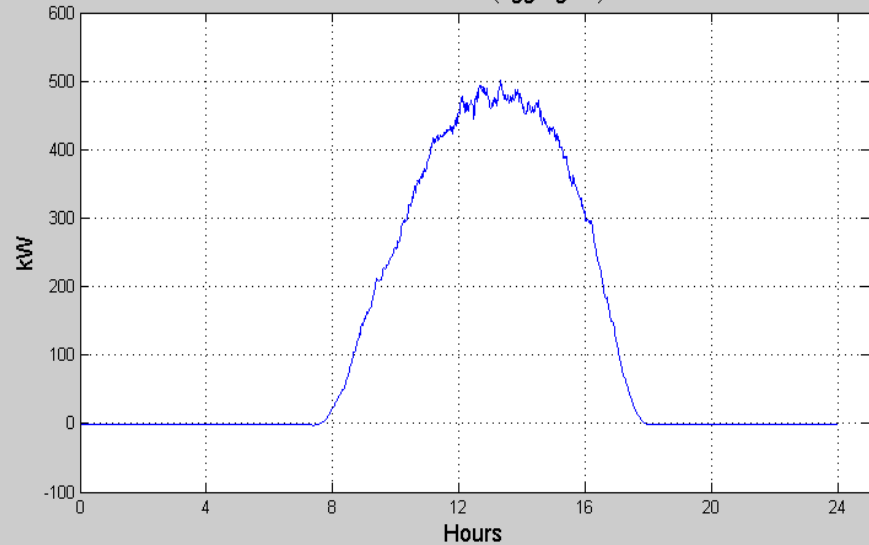
PV Generation (top view)



PV Generation (frontal view)

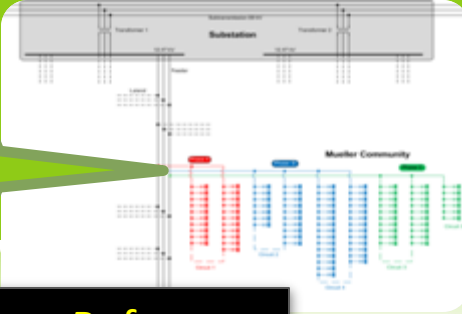


PV Generation (aggregate)

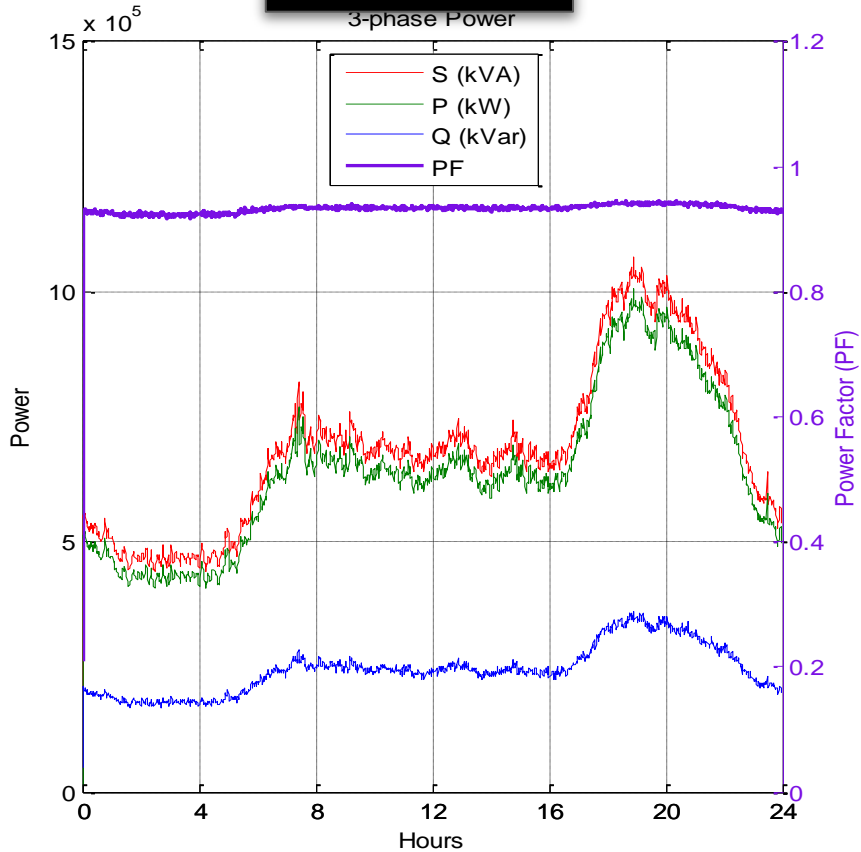


POWER DEMAND

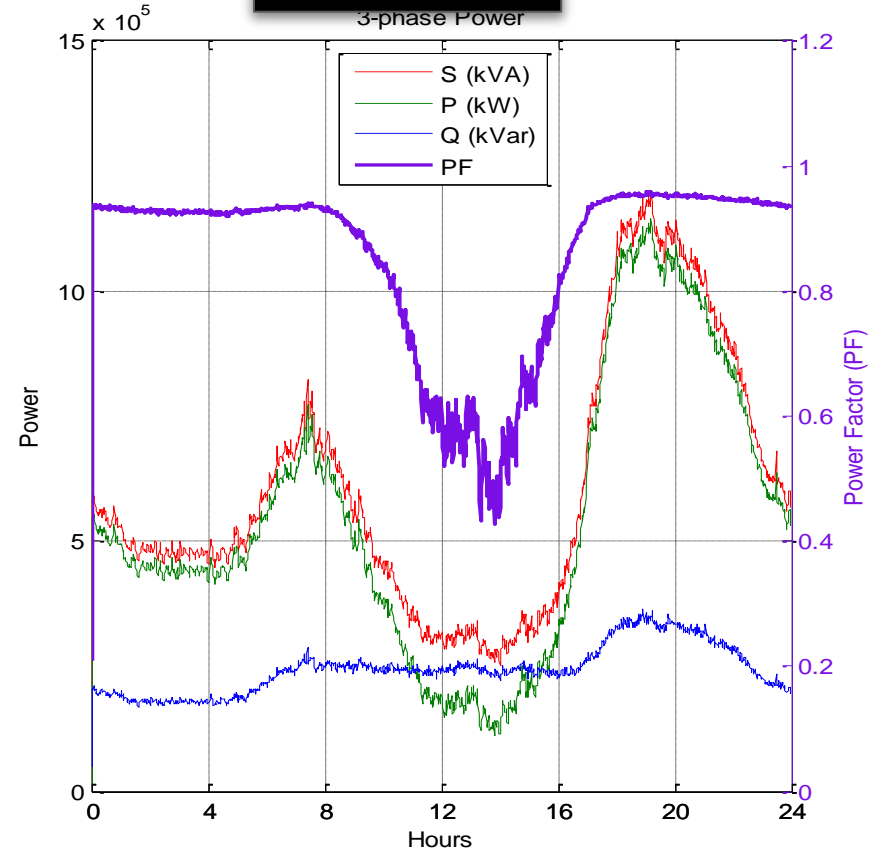
From here



Before
PVs and EVs



After
PVs and EVs



- Real power and power factor reduction due to PV penetration
- Peak demand increase due to EVs