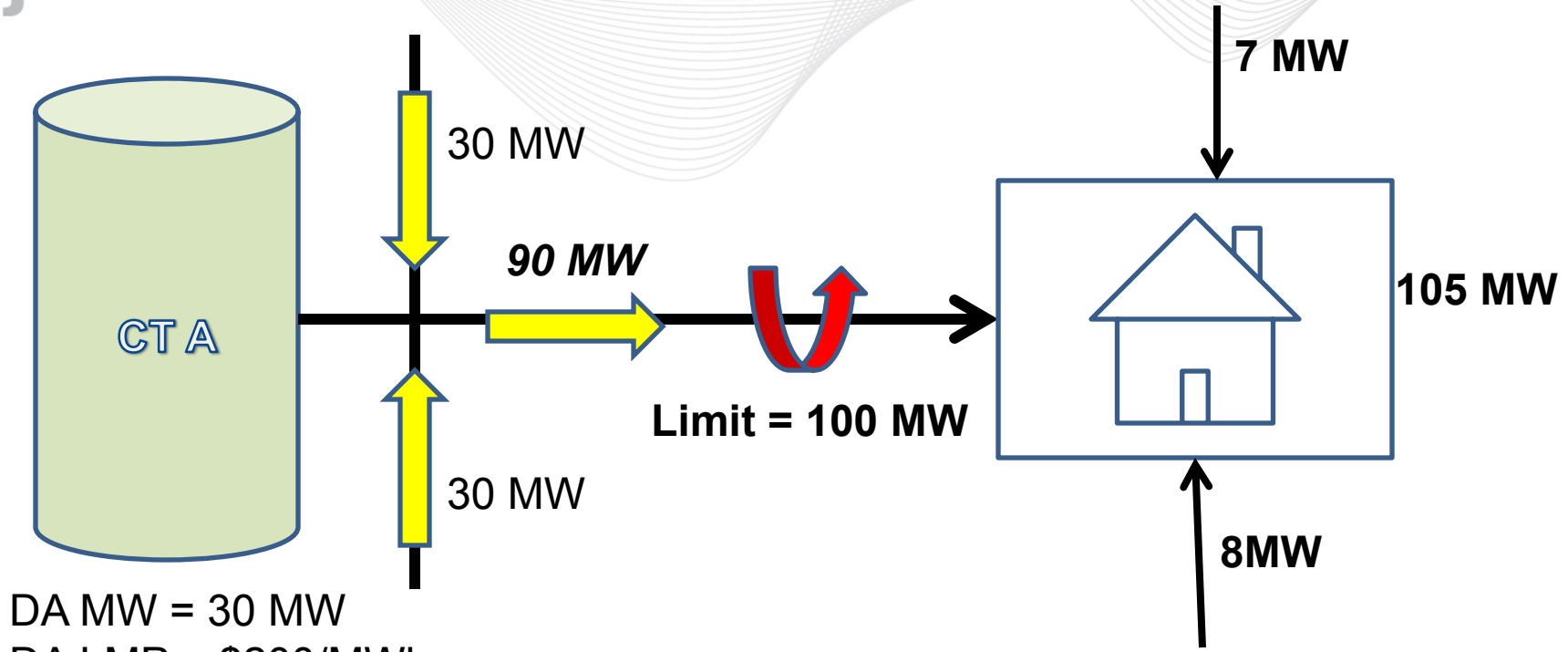
CT LOC Examples

CT LOC

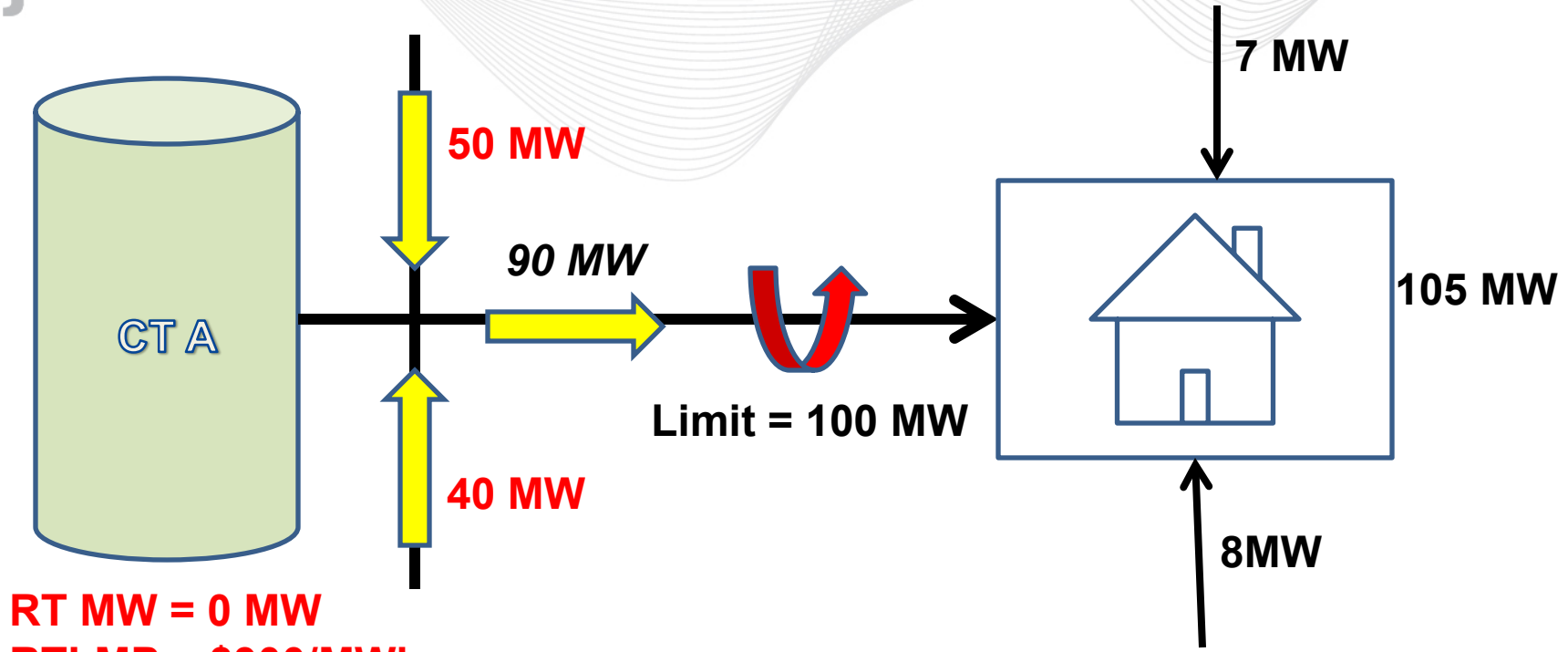
- CT LOC arises when CT are scheduled in DA and then not run in real-time
- There are many differences in the DA and RT markets that can drive differences
  - Interchange
  - Load
  - Constraints

DA Market Clearing



DA MW = 30 MW
DA LMP = $200/MWh

RT Market Clearing



- Committing CT A in the RT example would result in off-cost operations on the surrounding facilities
  - Without committing CT A there is no congestion and therefore the price at CT A does not reflect the potential constrained operations
  - CT A would receive an LOC payment in this case as it had to buy its DA position back at a loss

Other Reasons

- Too much equipment on the system
  - PJM needs to improve in this area
- Confining parameters
- Different generation running in real-time
- Self-Scheduled generation
- RT LMP < DA LMP, but, RT LMP > Offer
  - Startup and no load are included