OpenADR 2.0 Implementation

# Types of DR Programs:-

1. **Critical Peak Pricing**: - This is a program whereby utility companies increases the cost of electricity consumption for a limited period of time, with the aim of encouraging consumers to use less power.
2. **Capacity Bidding**: - This programs allows devices to identify the amount of load they can curtail at a particular price. In summary, it allows more room for negotiation.
3. **Direct Load Control or Thermostat**: -This program allows remote controls to a customer’s electrical equipment on short notice. The program is normally offered to residential customers/clients.
4. **Fast DR Dispatch/Ancillary Services: -** Customers are normally given incentives for curtailing their load during emergency DR events. This program is normally used in cases that requires automatic or fast manual response to prevent failures in the grid.
5. **Electrical Vehicles:** - The cost of charging electric vehicles could be modified in order to encourage consumers to change consumption patterns. e.g., the cost can be lower overnight.
6. **Distributed Energy Resources (DER):** - The DR program is utilized to smoothen the integration of DERs into the smart grid.