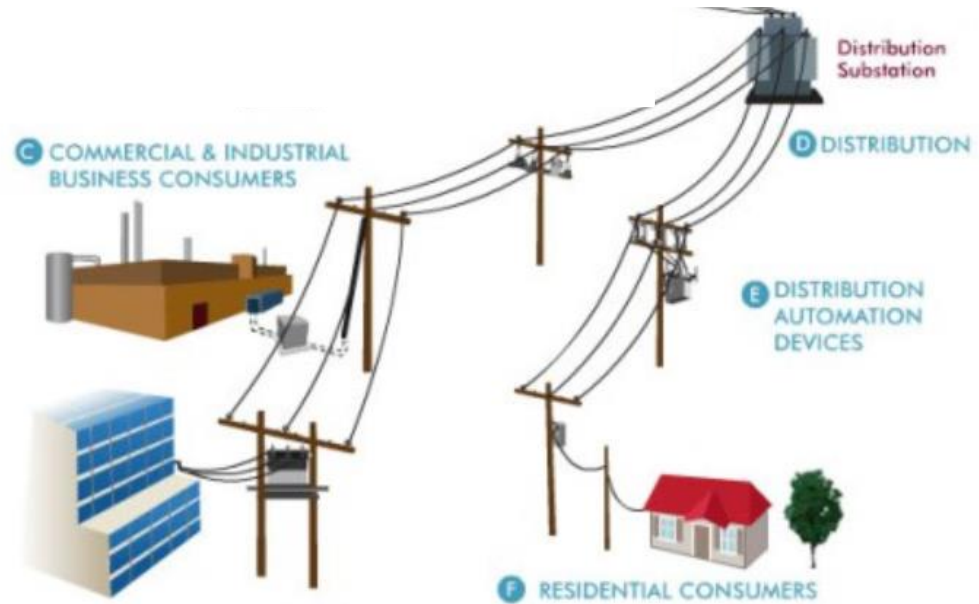
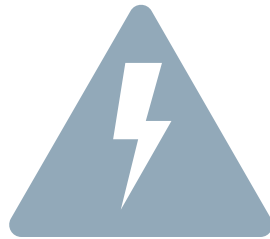




Supercharging

Electric Cars: Demand and Rate Ordinance

Demand



What is demand?

How much electricity is being used at a single point in time.

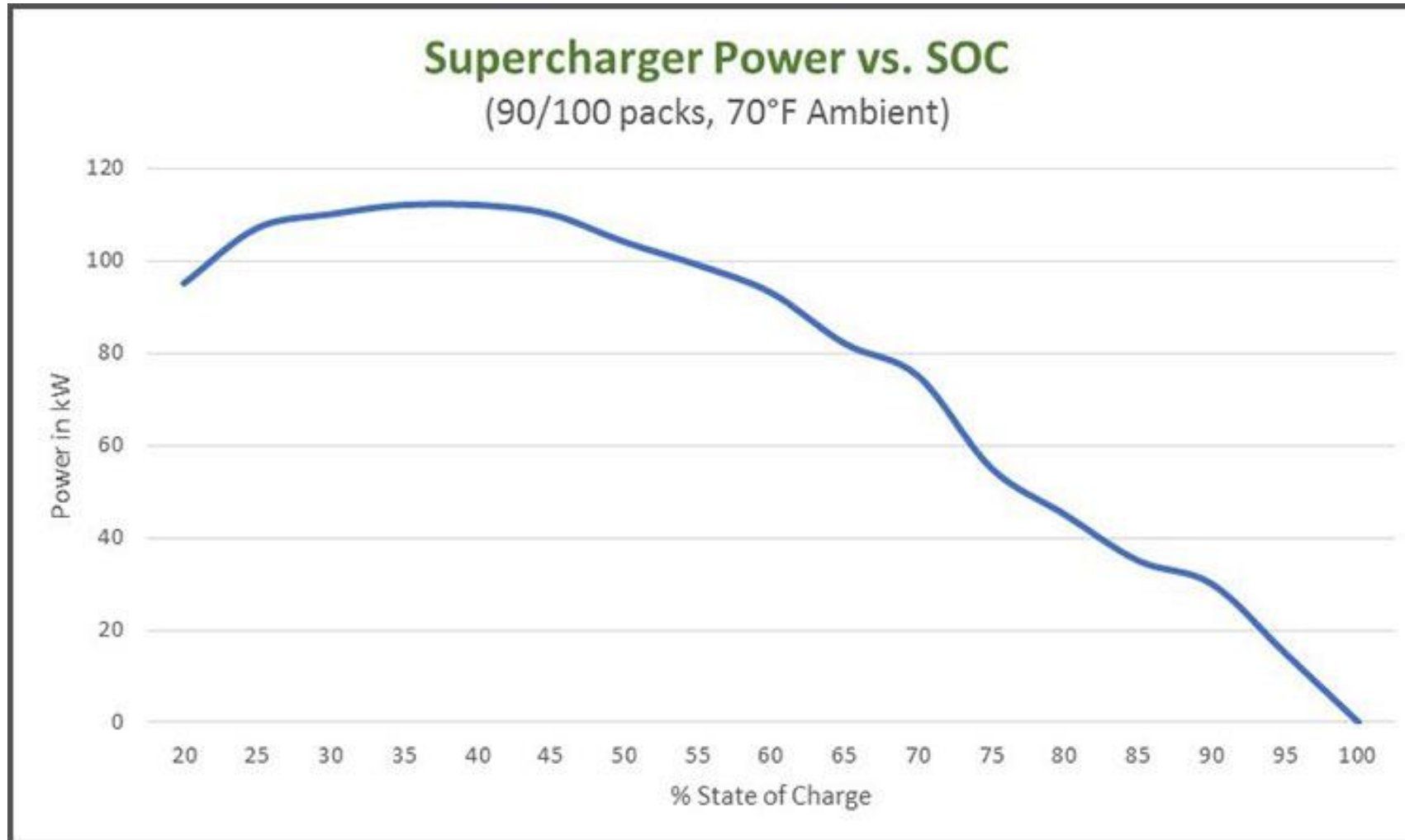
Why demand matters?

Must maintain capacity to supply ALL of our customers, regardless of devices in use.

If demand on a circuit is increased:

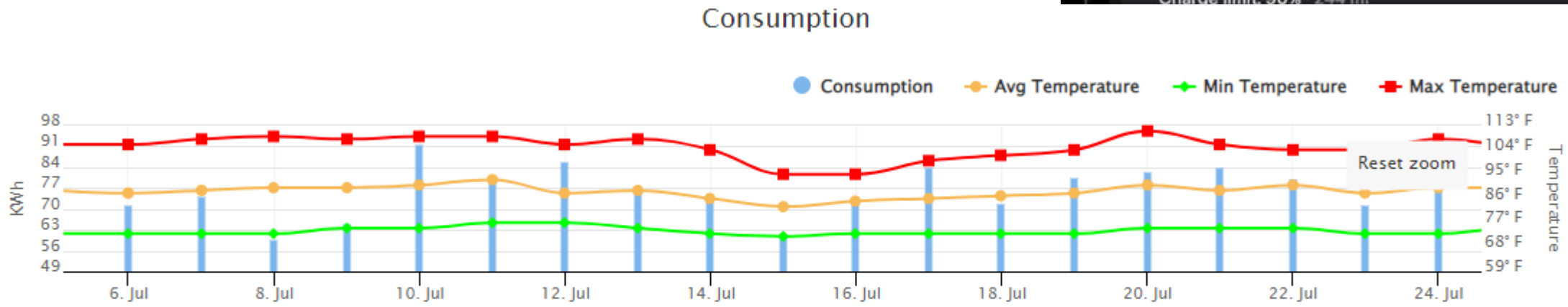
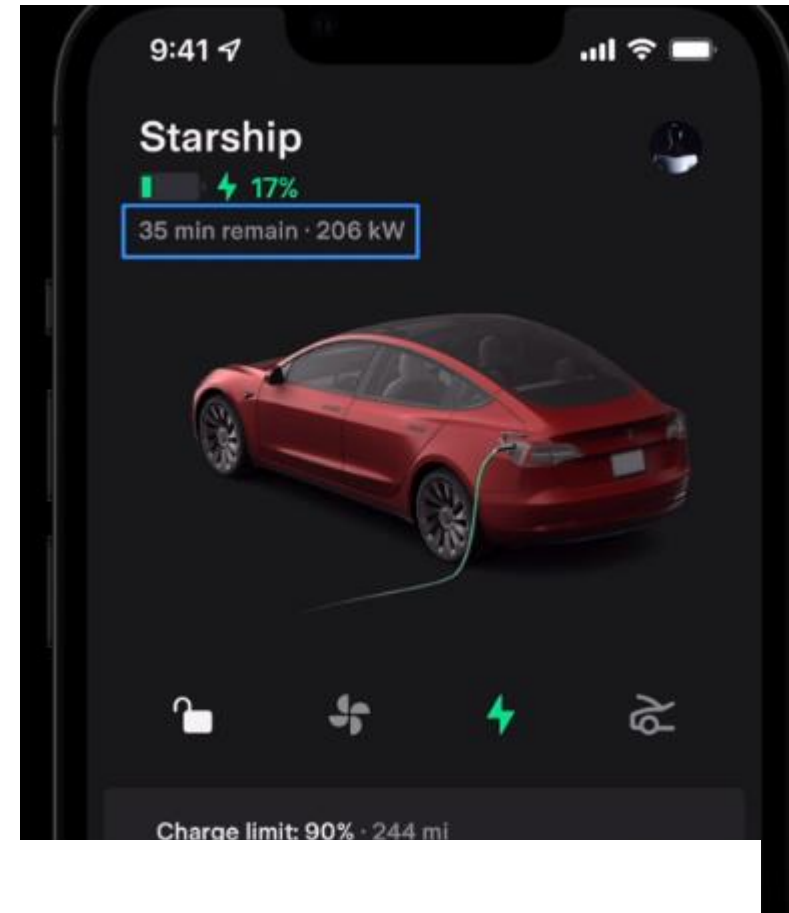
- Add more capacity
- Add more feeders

Demand- Per Charge



Consumption

- Tesla's have a battery capacity ranging from 50 kWh on the standard range Model 3 to 100 kWh that powers all Model S and Model X packages. – 20-30 minutes.
- This is equivalent to 1 ½ days of usage of an average 2500 sq. ft. home during 100+ degree days during summer

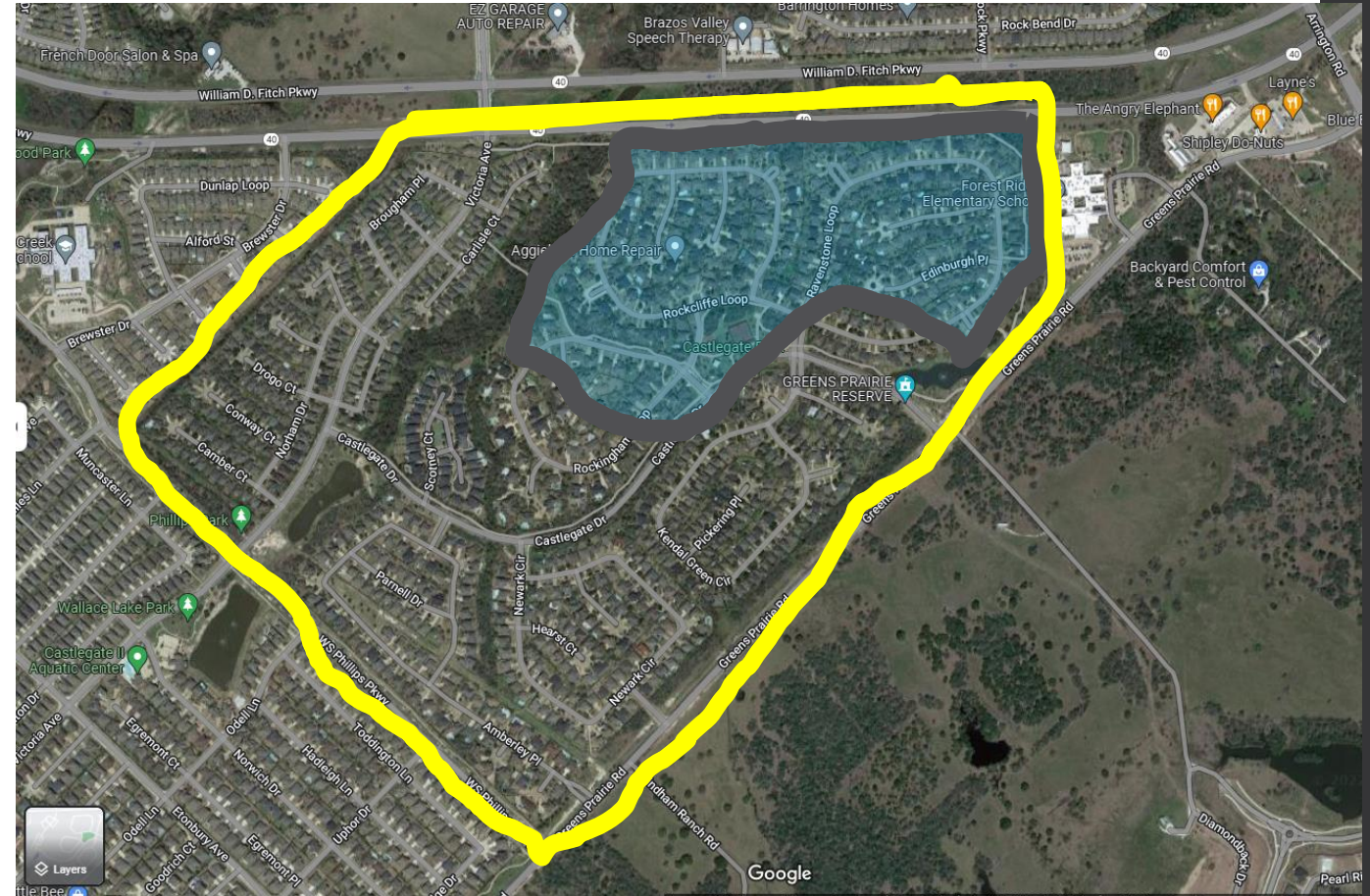


Demand

Max Demand = 8.436 Raw Register = 18364.02

Demand- Charging Station

CHARGING STATION
WITH A 1500 KVA
TRANSFORMER
CAN BE THE
EQUIVALENT TO THE
LOAD
OF A QUARTER OF
CASTLEGATE 1 DURING
THE PEAK
OF SUMMER 2022!



Rate Ordinance

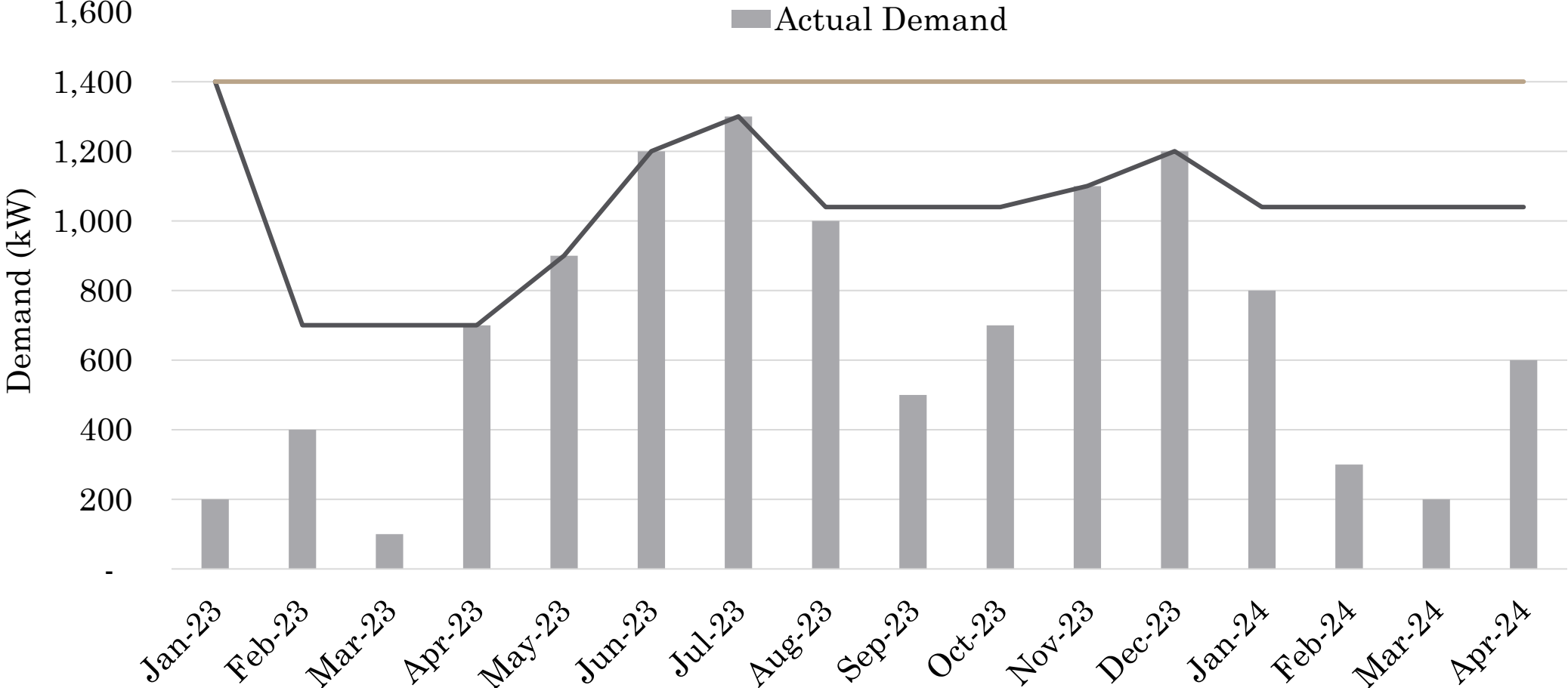
Regional Utility	Commercial EV Rates/Structures
Pedernales Electric Coop	Small Power Service, Energy Only, TOU
Bryan Texas Utilities	Applicable Tariff
New Braunfels Utility	Applicable Tariff
Austin Energy	Subscription Service (ChargePoint)
CPS (San Antonio)	Subscription Service (ChargePoint), Pay Go (Energy TOU) Applicable Tariff with 80% Summer Demand Ratchet, Min. 100 kW Non-Summer
Georgetown	80% Demand Ratchet for Large EV Charger

Rate Ordinance

Billing demand.

- Billed for 100% of designed demand in the first month after service is initiated
- Thereafter, billed monthly on the greater of the following:
 - 1) Actual measured maximum demand for the month
 - 2) 80% of peak actual measured demand over the preceding 12 months (on a rolling basis)
 - 3) 50% of design demand

Rate Ordinance



Thank you!