Droop Characteristic (stable characteristic to control $P_{SCHED}$ and freq).

- Negative slope, typically about 5% on machine base.
- Set point is no-load frequency ($P_{SCHED}$ intersects at 60 Hz).
- Open loop error gives insights into before, after, transition.

AGC (Automatic Generator Control) see Fig.13.8 of Grainger/Stev.
- Primarily controls P and freq (Q also important, 2003 Blackout)
- Scheduled Generation, SCE, ACE.
- Combined droop characteristic for Area, Frequency bias $B_f$
- Area-to-area flows.
- Scheduled line flows - operated by RTOs today.