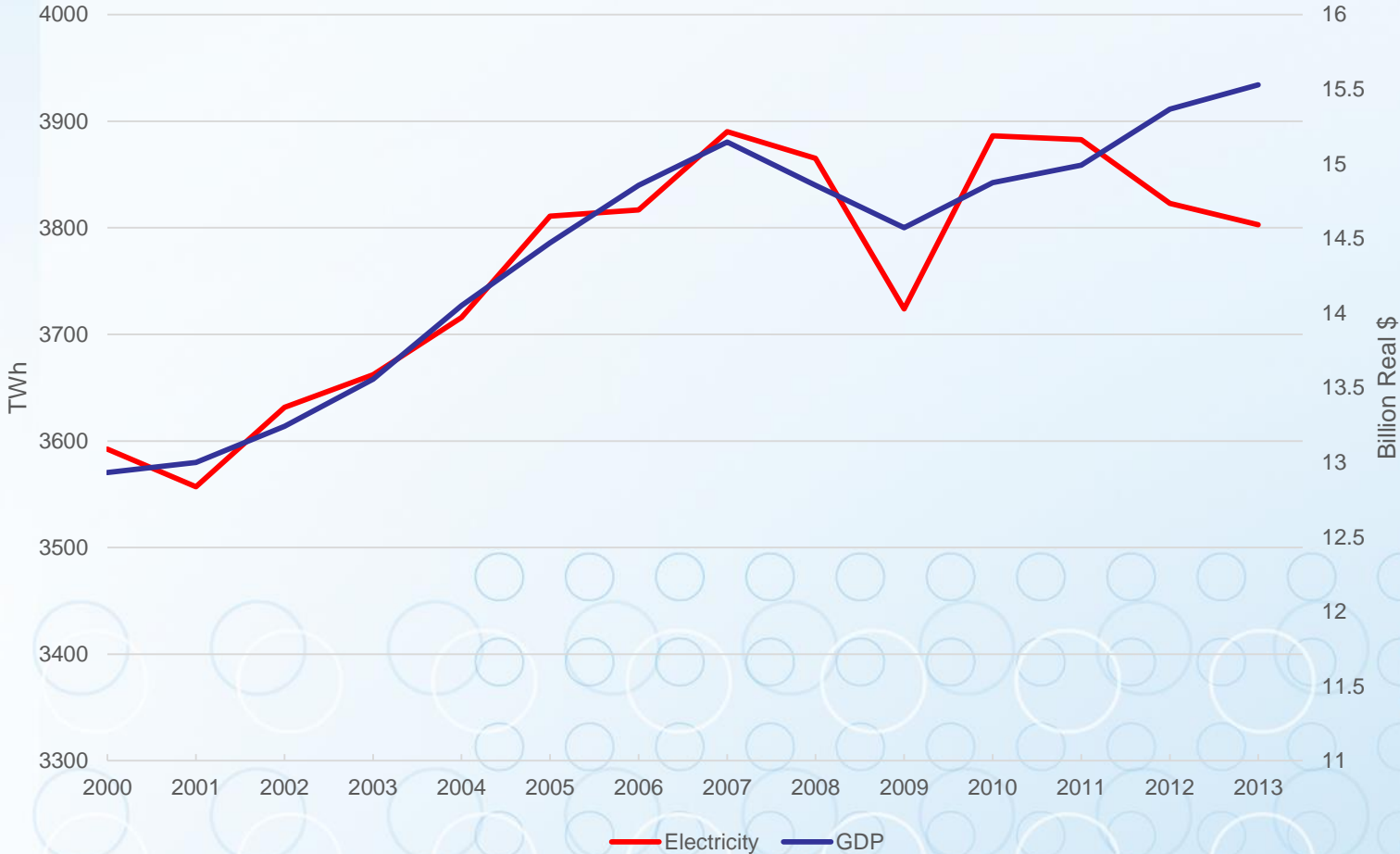


Changes Affecting Utilities



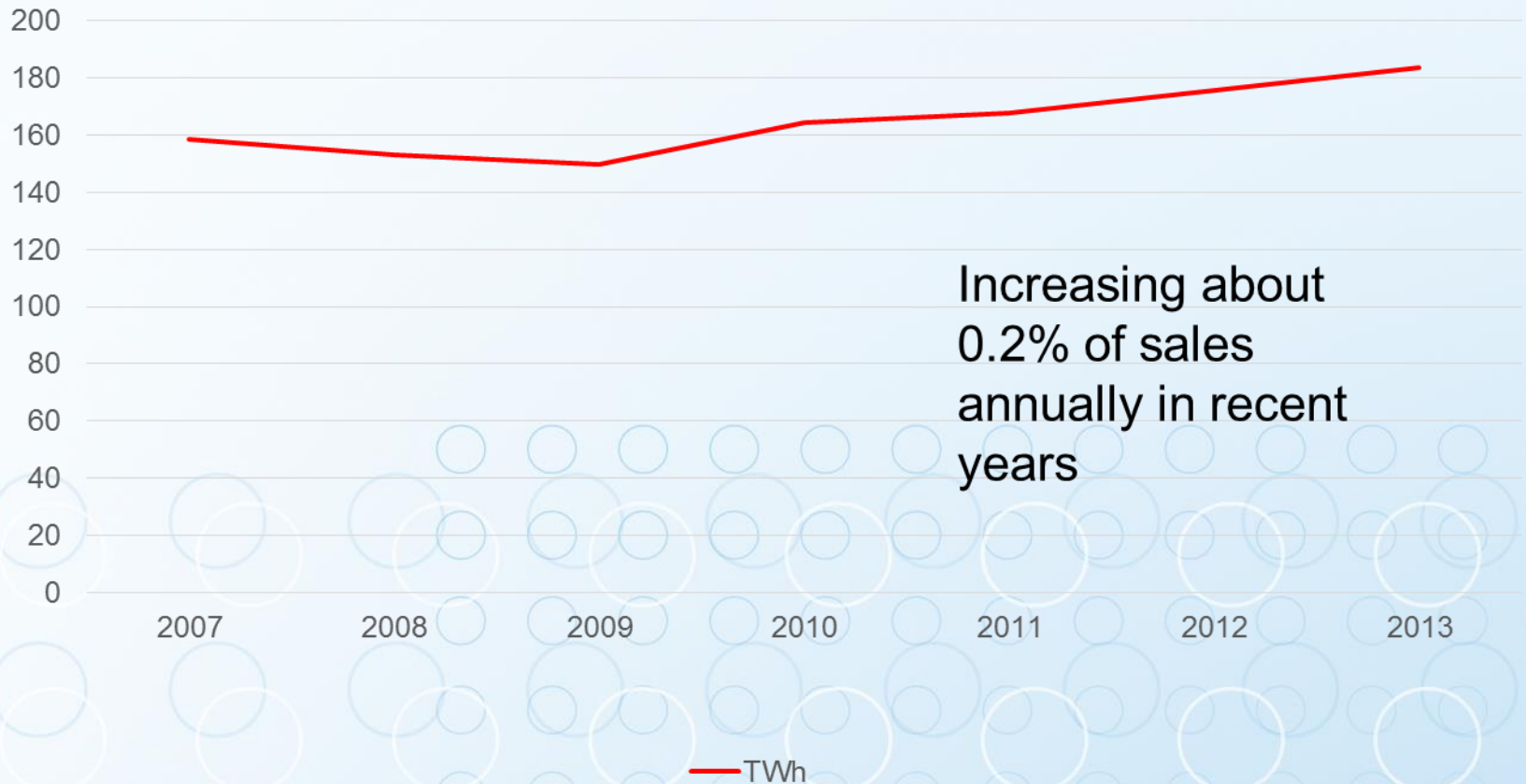
- Flat sales, EE and DG contribute
- More use of EE/DR/DG to defer T&D investments
- Smarter grid, more data (e.g. smart meters)
- Improved controls and processors (intelligent efficiency); also storage
- Environmental rules – SO_x, NO_x, Hg, C, haze, ozone, cooling water
- Rate-setting in flux – TOU rates, demand and fixed charges
- Appliance standards and building codes continue to advance
- New business models being discussed, e.g. PBR

Electricity Use Declining Recently



Source: ACEEE, 2014, "Why is Electricity Use No Longer Growing"

Production from Distributed Generation (R, C & I sectors)



Contributions in Medium-High Change Case

