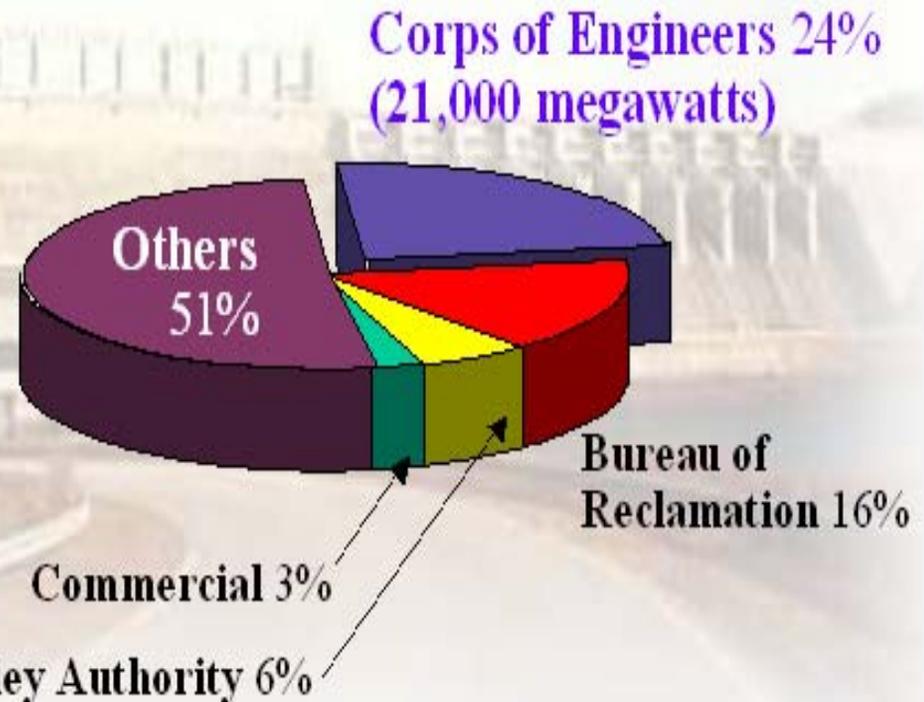
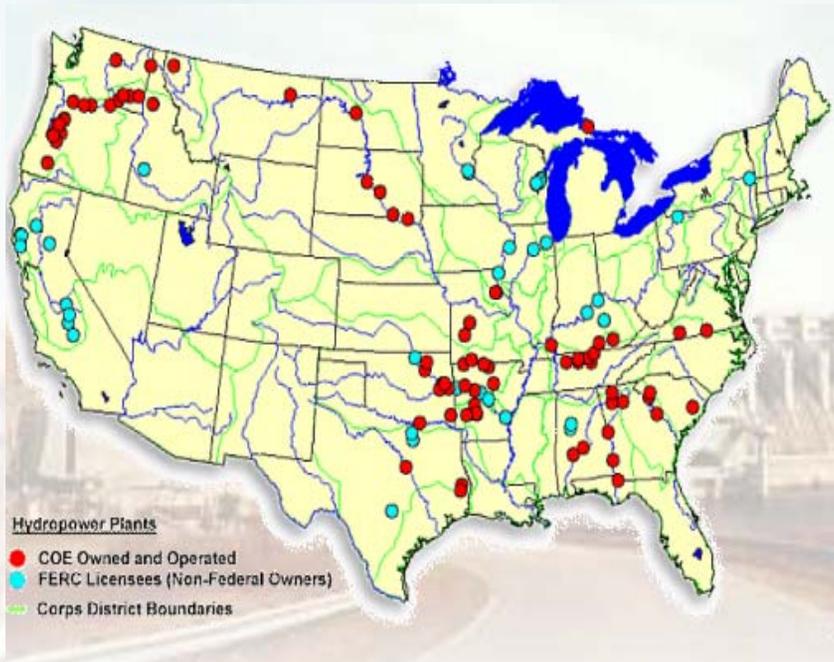


# *The Corps and Hydropower*

*Hydro represents 13% of US Electrical Power.*  
**The Corps has an \$18 billion investment in hydropower facilities (75 plants; 350 generating units)**



# Corps Hydropower Capacity by Division

## Largest NWD Hydropower Dams (by MW Install. Cap.)

*Chief Joseph (NWS) 2,460 MW*

*John Day (NWP) 2,160 MW*

*The Dalles (NWP) 1,800 MW*

*Bonneville (NWP) 1,093 MW*

*McNary (NWW) 980 MW*

*LWG, LGS, LMN (NWW) 810 MW  
(each)*

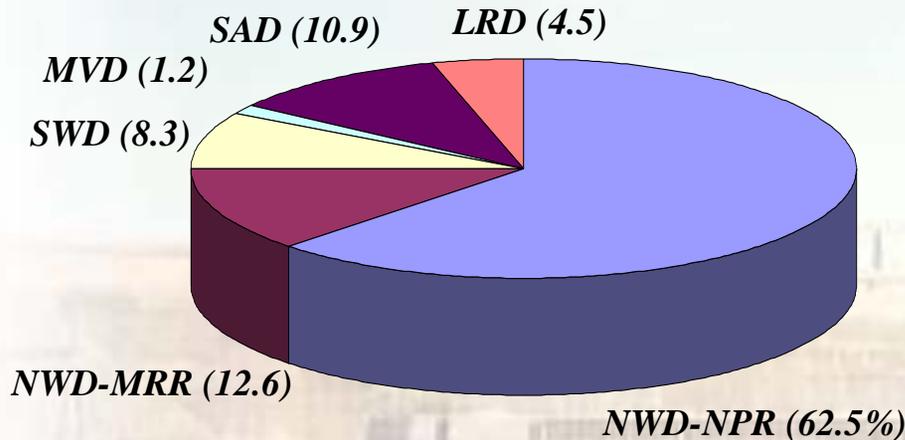
*Oahe (NWO) 786 MW*

*IHR (NWW) 603 MW*

*Libby (NWS) 525 MW*

*Garrison (NWO) 518 MW*

*Dworshak (NWW) 400*



*Bonneville Dam Second Powerhouse*



# *Problems & Opportunities*

- **Average age of powerplants: 35 years**
- **350 turbines installed & over 80% are in need of replacement/rehab due to**
  - ✓ Normal wear and tear
  - ✓ New operating criteria for turbines operation
- **Need to develop rehabilitation/upgrade plan for ALL Corps generation facilities**
  - ✓ Investments to be systematically analyzed and prioritized on a system basis –rather than piece-meal.
  - ✓ Recognize regional differences
  - ✓ Adapt to new funding climate
  - ✓ Use uniform and consistent evaluation criteria

