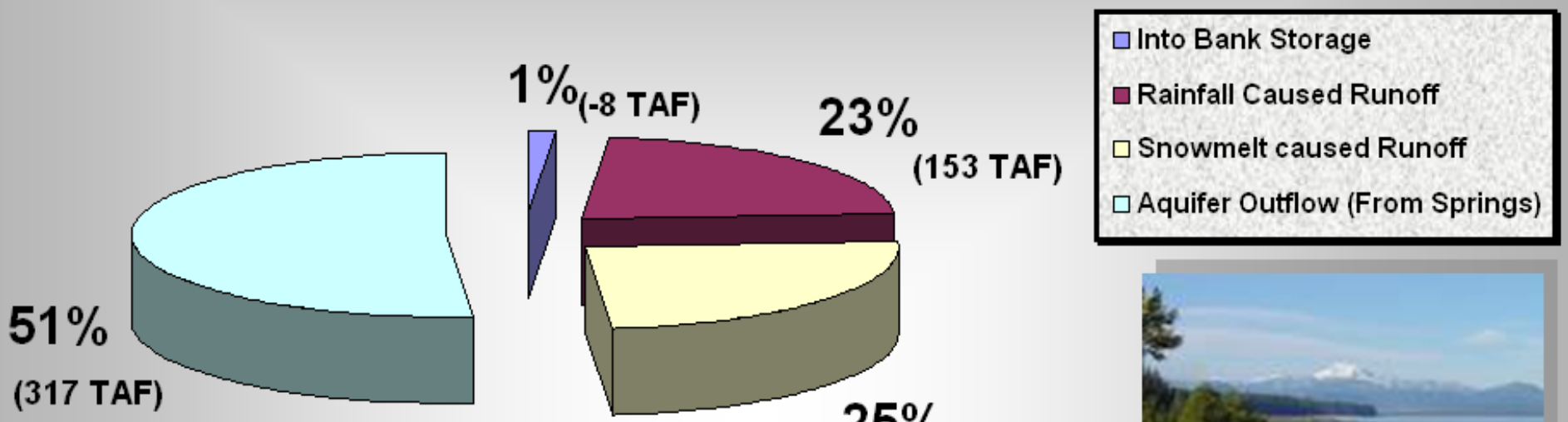
Pacific Gas and Electric Company

The 2010 Calendar Year Lake Almanor Hydrological Unimpaired Inflow Water Balance*



Historical Water Year Water Balance *(prior to Climate Change)*

- Aquifer Outflow = 47%.....(360 TAF)
- Snowmelt Produced Runoff = 28%....(213 TAF)
- Rainfall Produced Runoff = 25%.....(187 TAF)
- Bank Storage Net Contrib. = 0%.....(0 TAF)

Total Mean Unimpaired Inflow before Lk Evap removed = ~760 TAF
(typical annual lake surface evap = 90-95 TAF leaving ~670 TAF to operate with)

Approximately <u>94 TAF</u> will evaporate from the Lake Surface in 2010 and can be subtracted from 695 TAF. Total unimpaired 'Natural' Inflow to the Lake. Approximately <u>601 TAF or 89% of the Historical Ave)</u> becomes the net available 'working' water for the 2010 Cal Yr reservoir operations. Another approximately 475-500 TAF of water doesn't show up in this pie chart and will contribute to the 2010 actual evapotranspiration over the land portion of the 491 sq. mi. headwater drainage +/ change to aquifer storage.

* based on the mid-May 2010 water Outlook... .All number approximate and represent best attempts to balance the Almanor Basin's calendar year water . This analysis doesn't acct for consumptive well withdrawals, small consumptive diversions, or other------GJFreeman, PG&E Power Gen - Water Management May 12, 2010