





Comparison of Phase 4.3 and Phase 5.2

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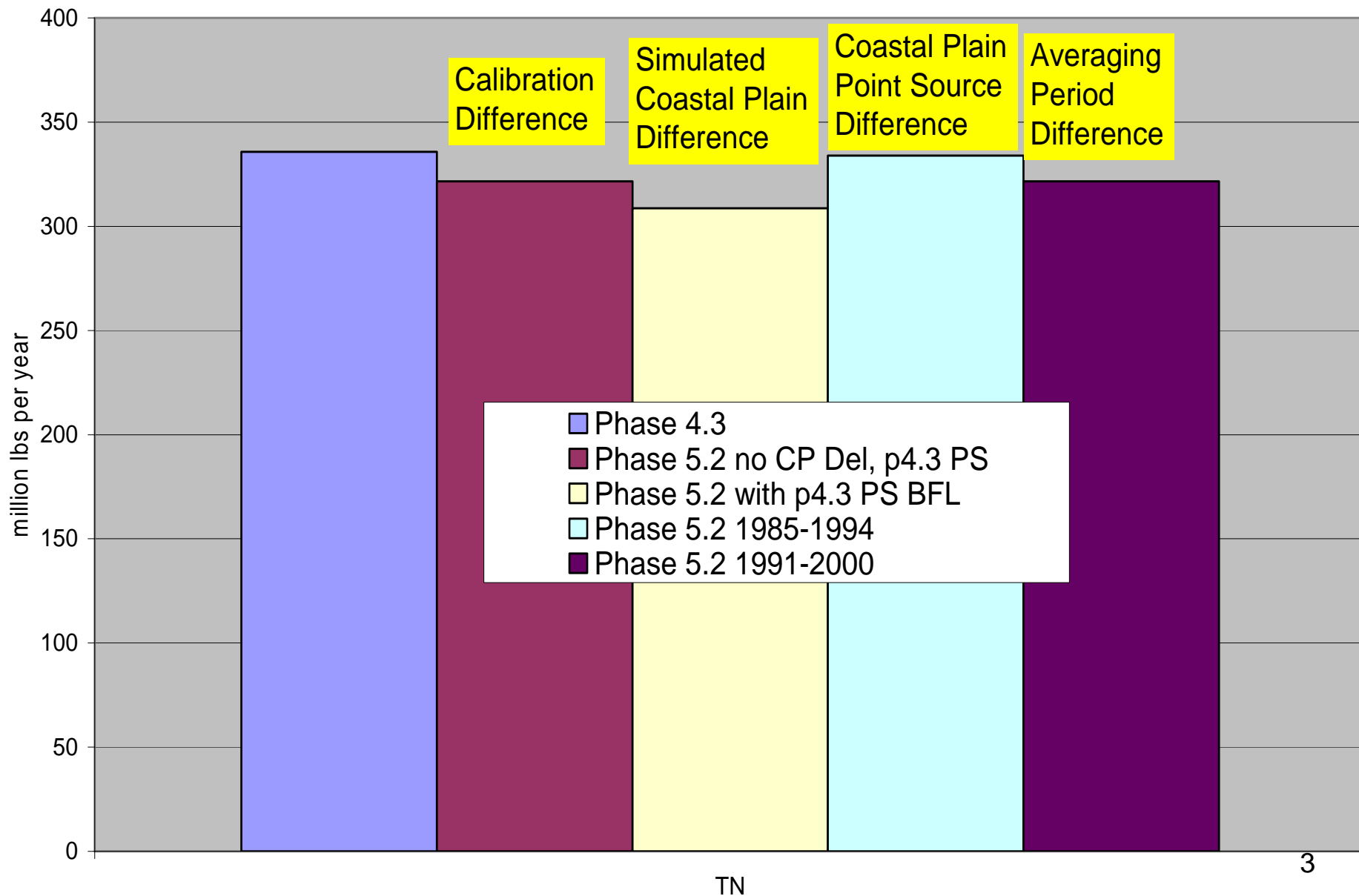
WQGIT

8/24/2009

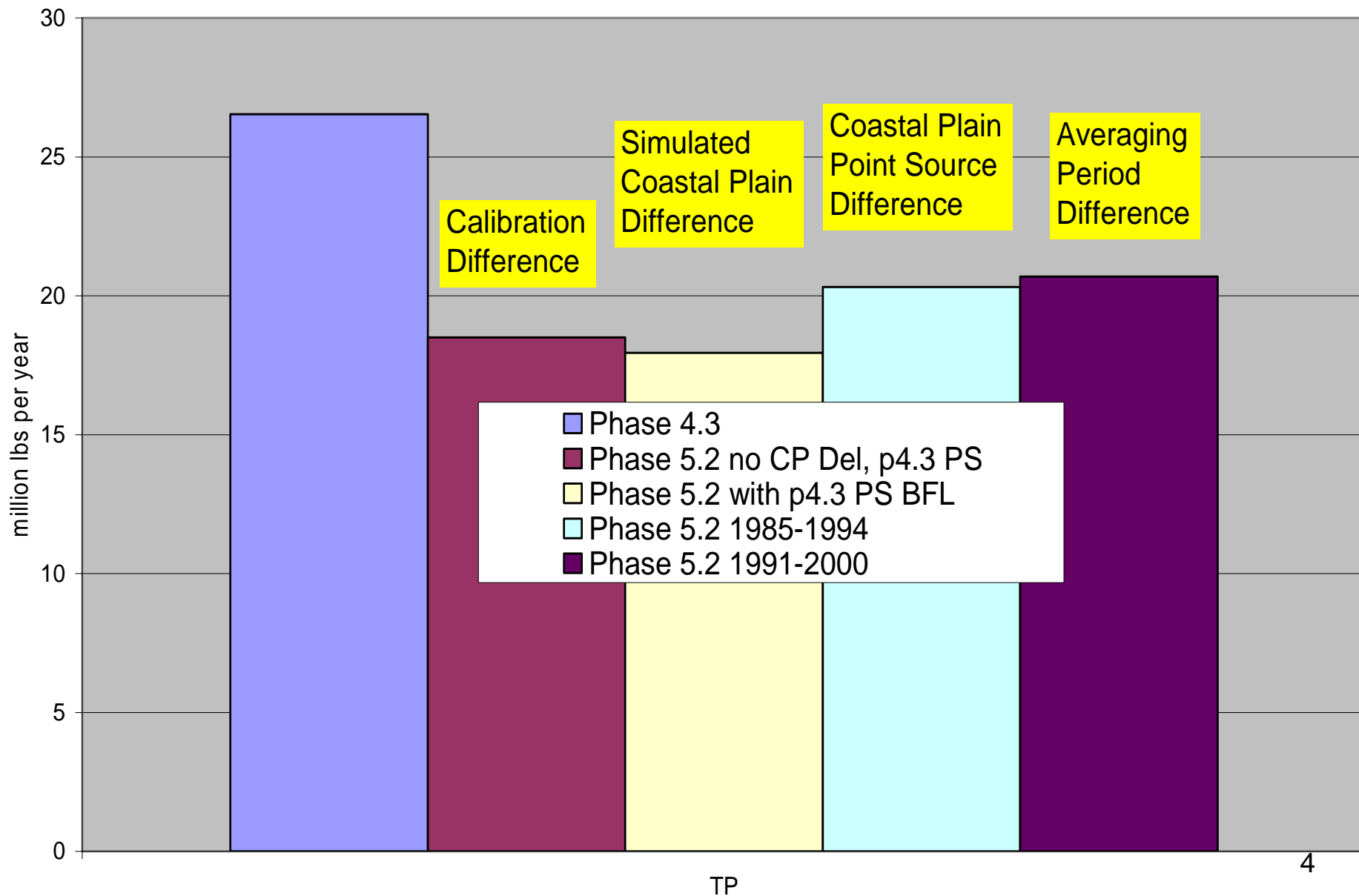
Reasons for overall load change in calibration

-  • Change in agreement with data
 - More calibration data
 - Better calibration method
 - Use both concentration and load to calibrate in phase 5.2
-  • Simulated Coastal Plain Rivers
-  • New Point Sources Below monitoring stations
-  • Averaging Period Change

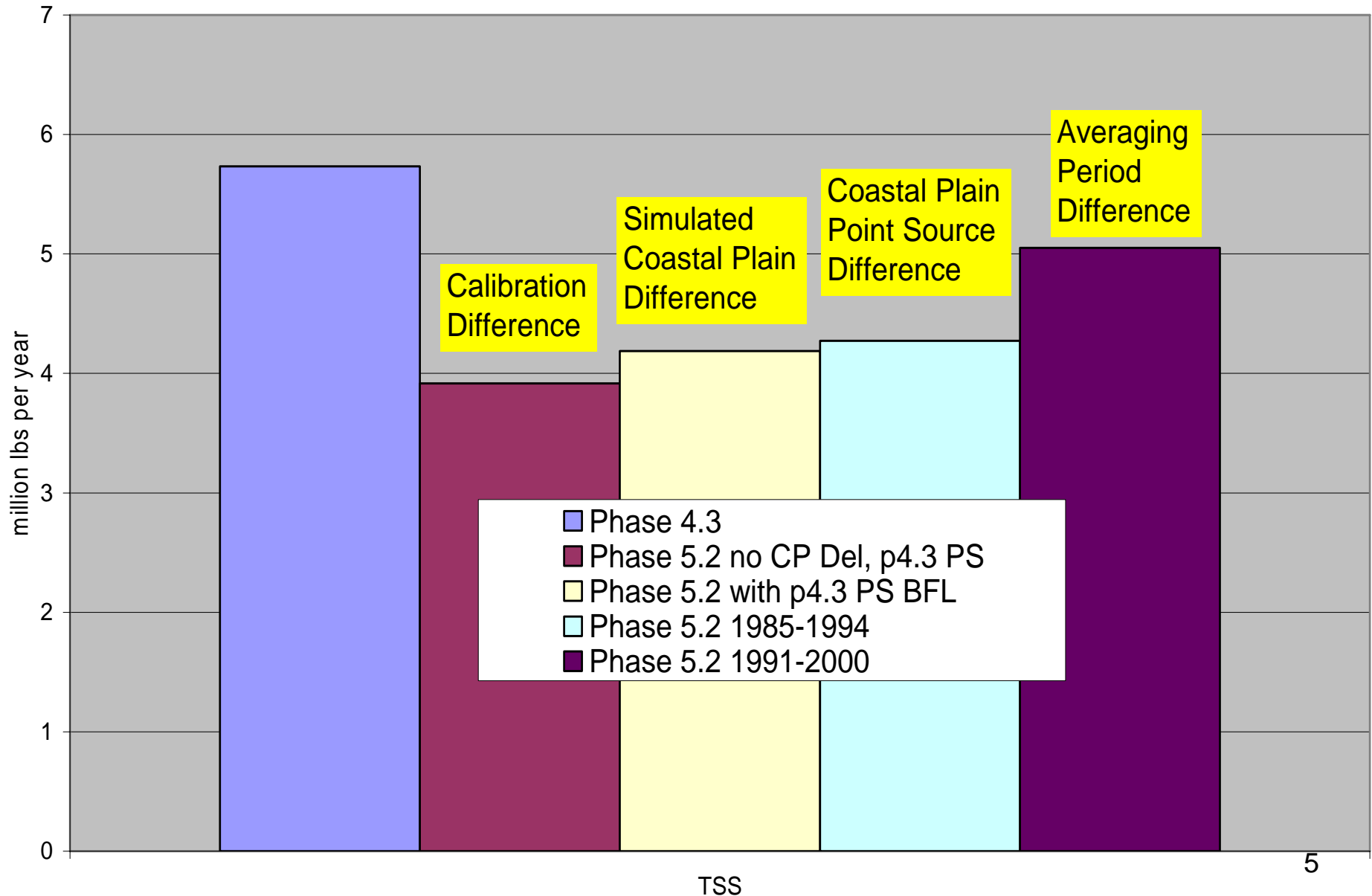
TN Calibration Load Changes



TP Calibration Load Changes



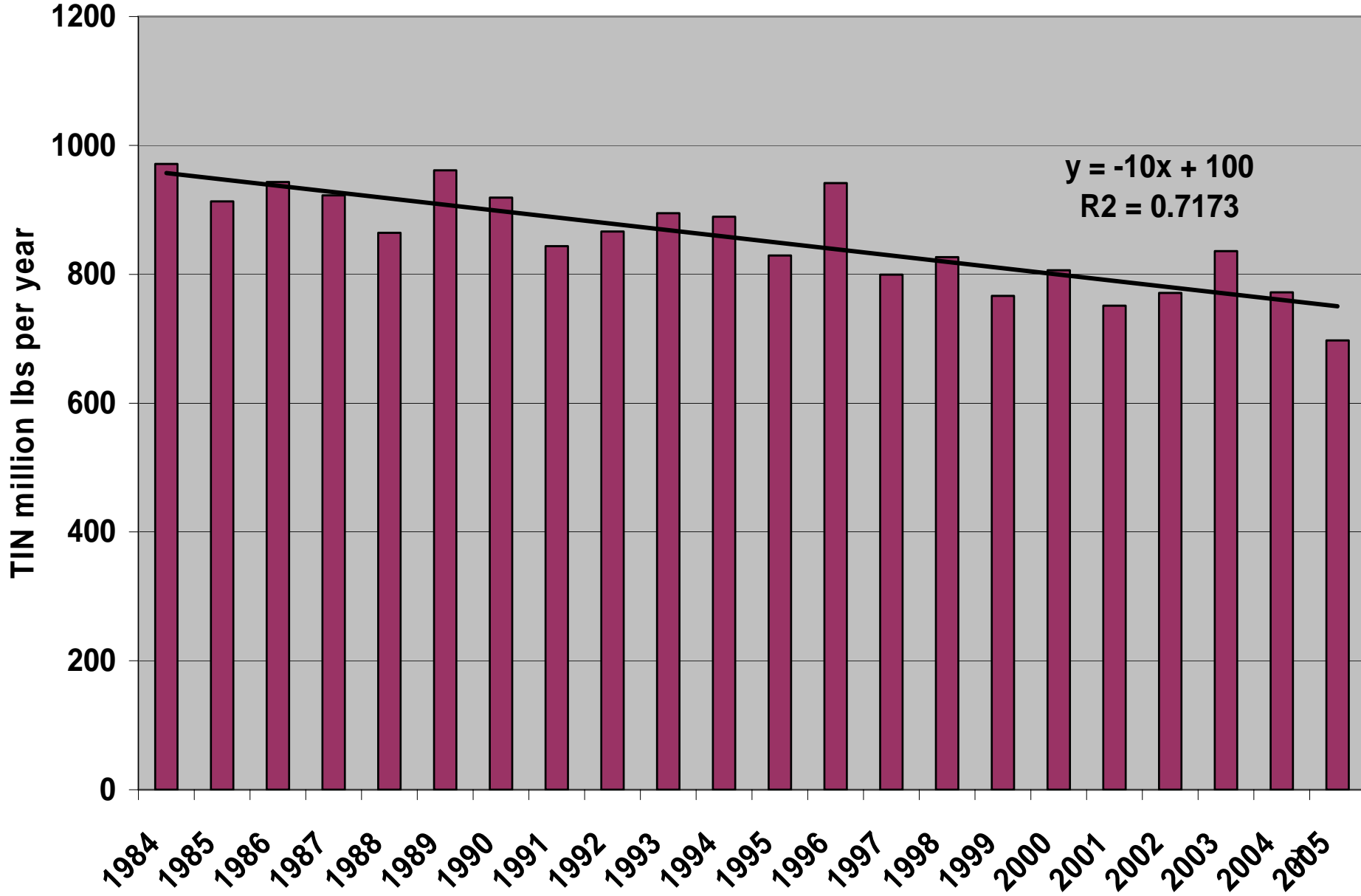
TSS Calibration Load Changes



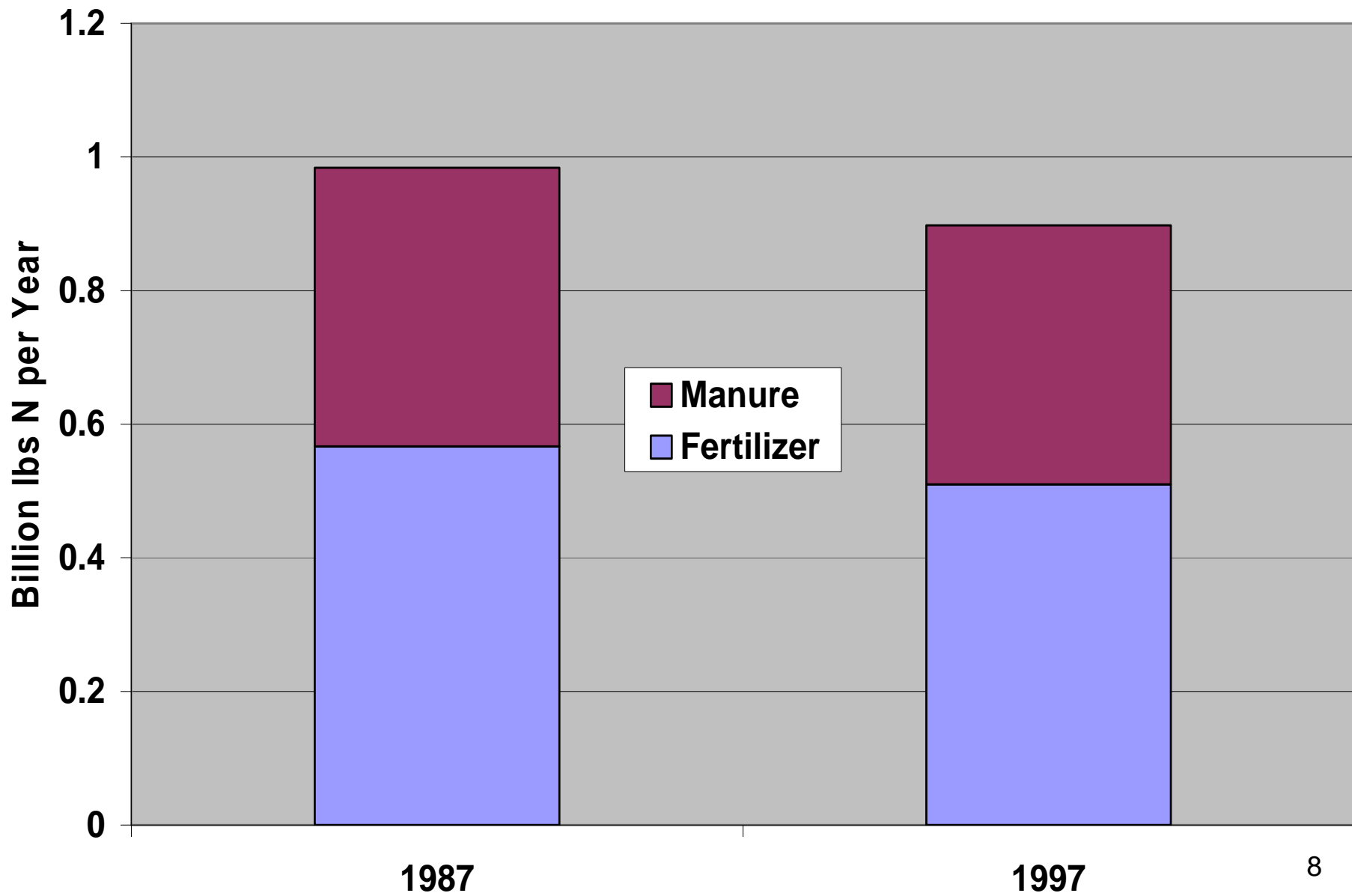
Reasons for overall load change in scenarios

- Calibration differences
- Differences in scenario data and interpretation
 - Phase 4.3 non-point inputs from 1984-1995 were constant, phase 5.2 are variable

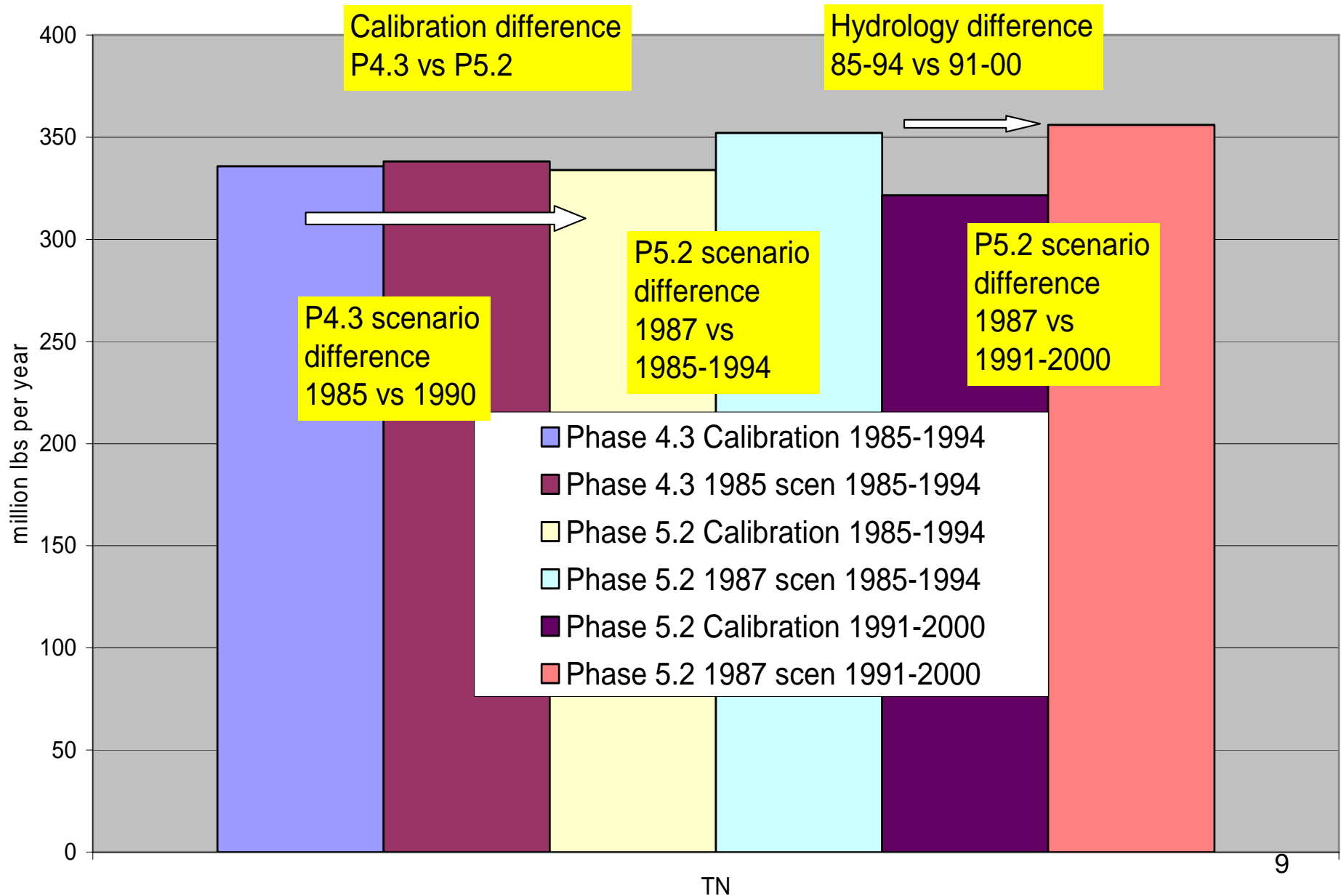
Annual TIN deposition to CB watershed



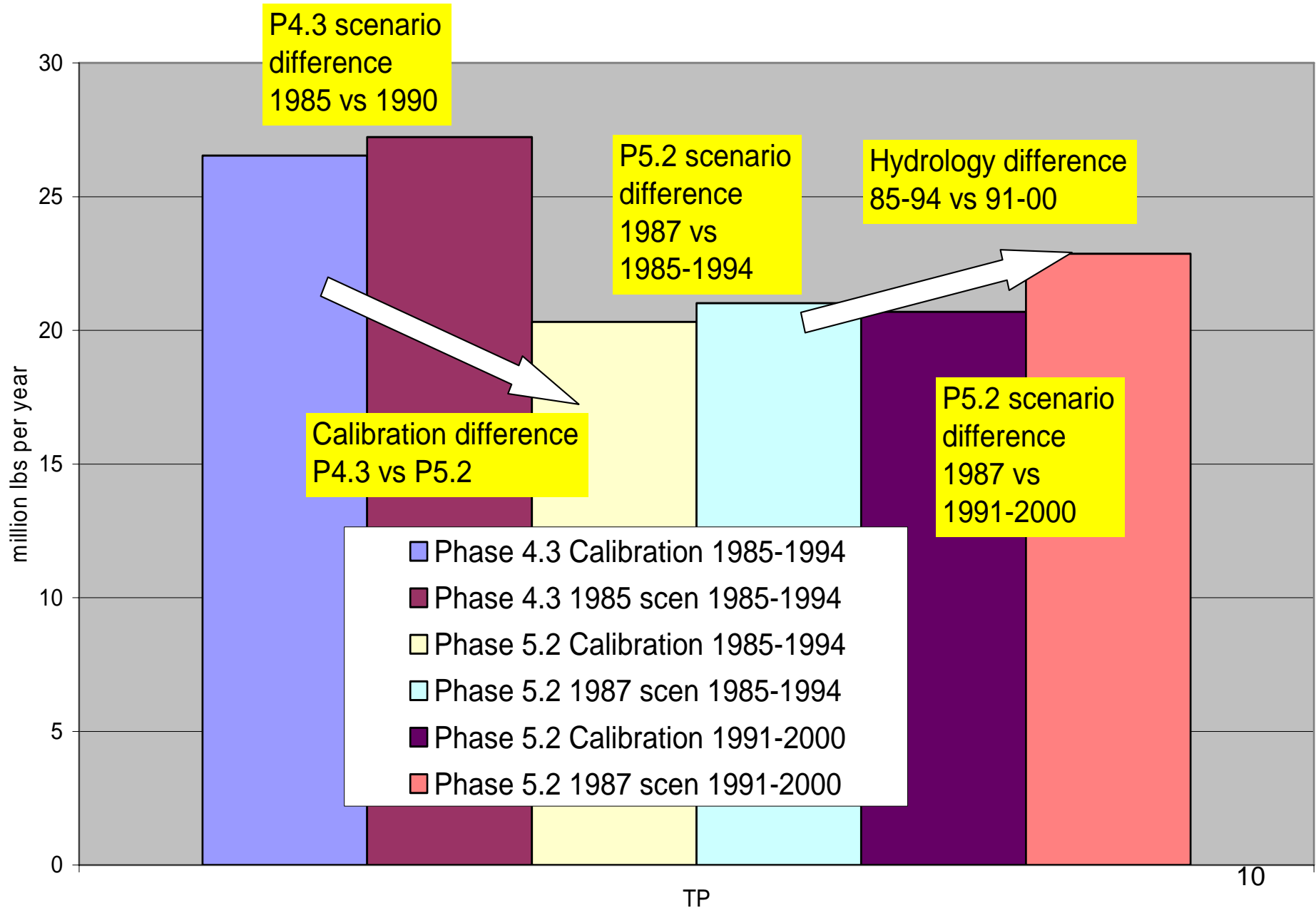
Nitrogen Cropland application in billion lbs per year - Phase 5.2



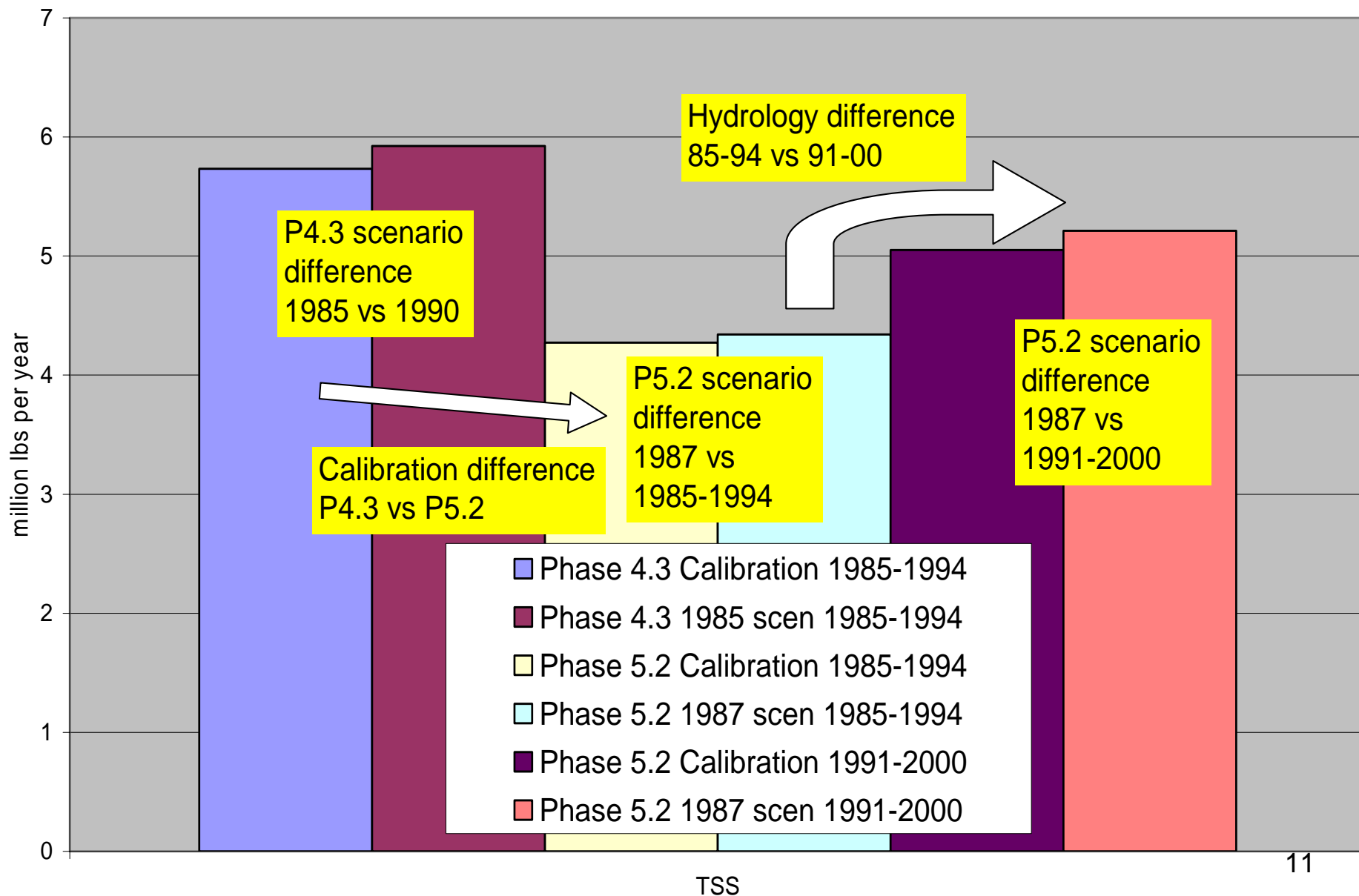
TN Scenario Load Changes



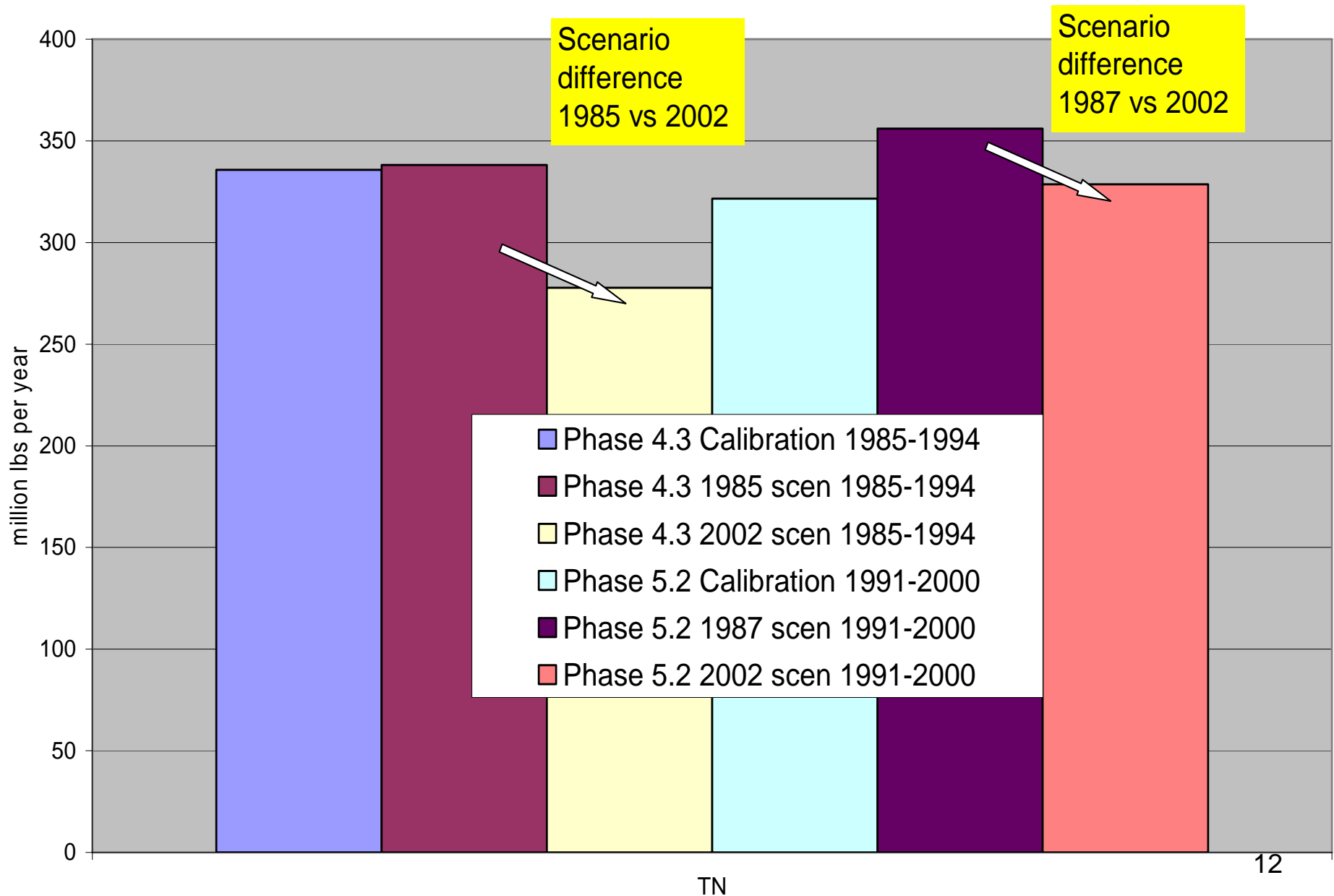
TP Scenario Load Changes



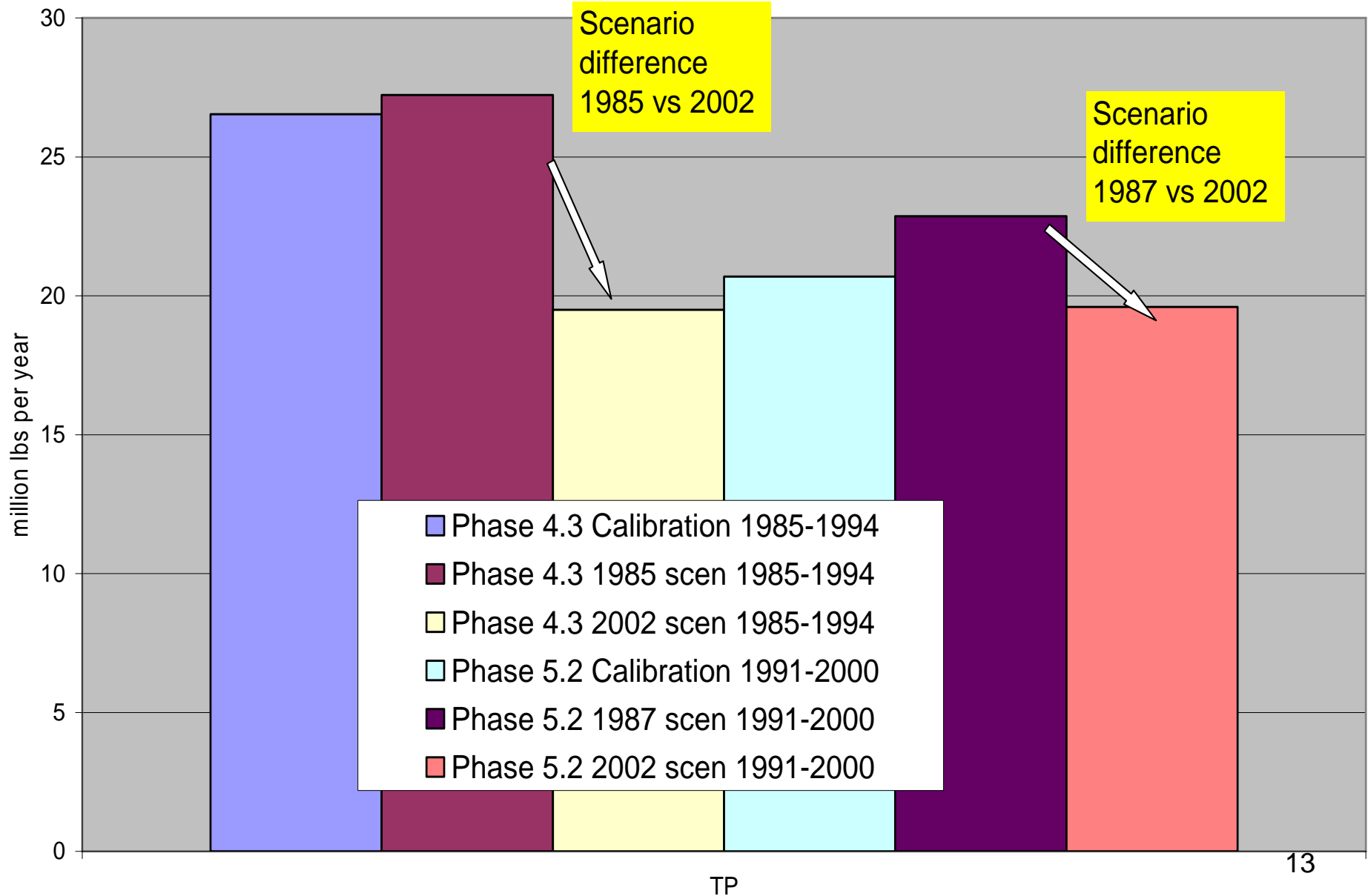
TSS Scenario Load Changes



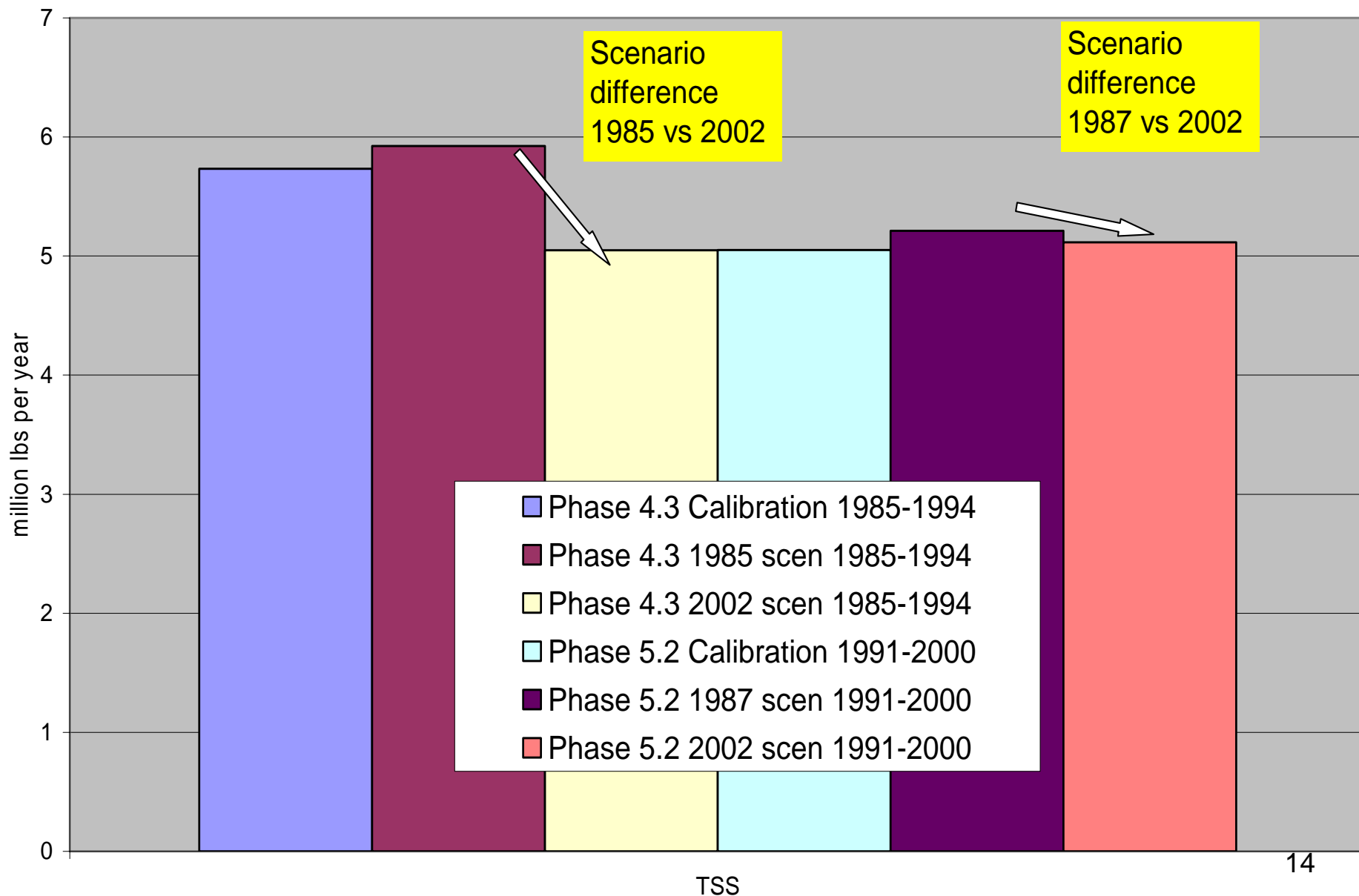
TN Scenario Load Changes



TP Scenario Load Changes



TSS Scenario Load Changes



Summary

- Better calibration
- Better data for 1985 vs calibration
- Better estimate of BMP efficiencies
- More representative hydrologic period