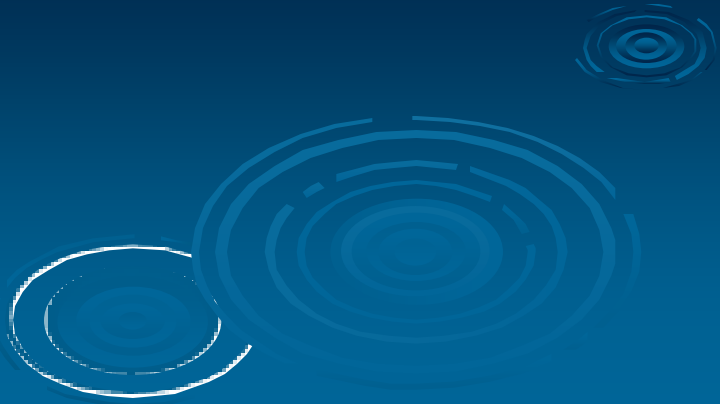


Technical Memorandum

July 30, 2014

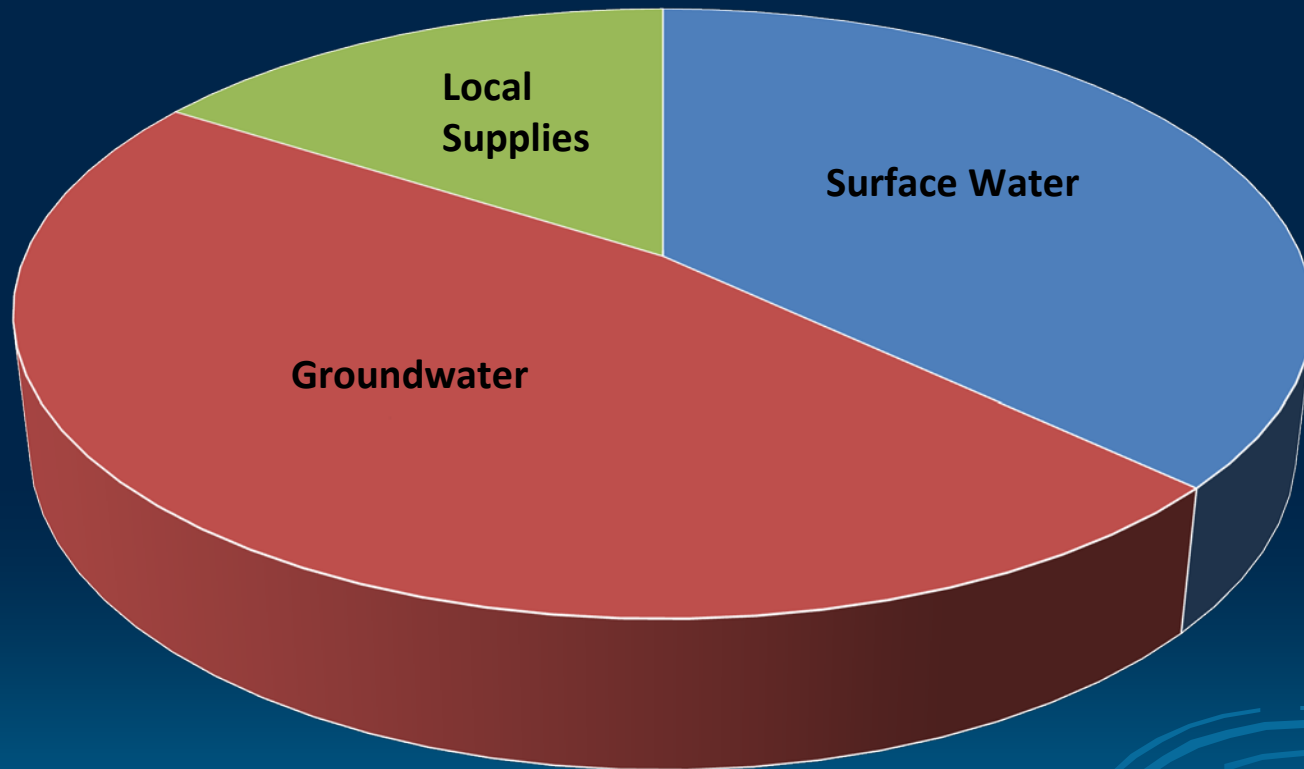


Technical Memorandum

- 7 Database Reports:
 - Population
 - Demands
 - Source Supply
 - Supplies to Water User Groups
 - Summary of Supply/Demand by Use Category
 - Needs/Surplus Summary
 - Source Water Balance
- 

Water Supplies by Source

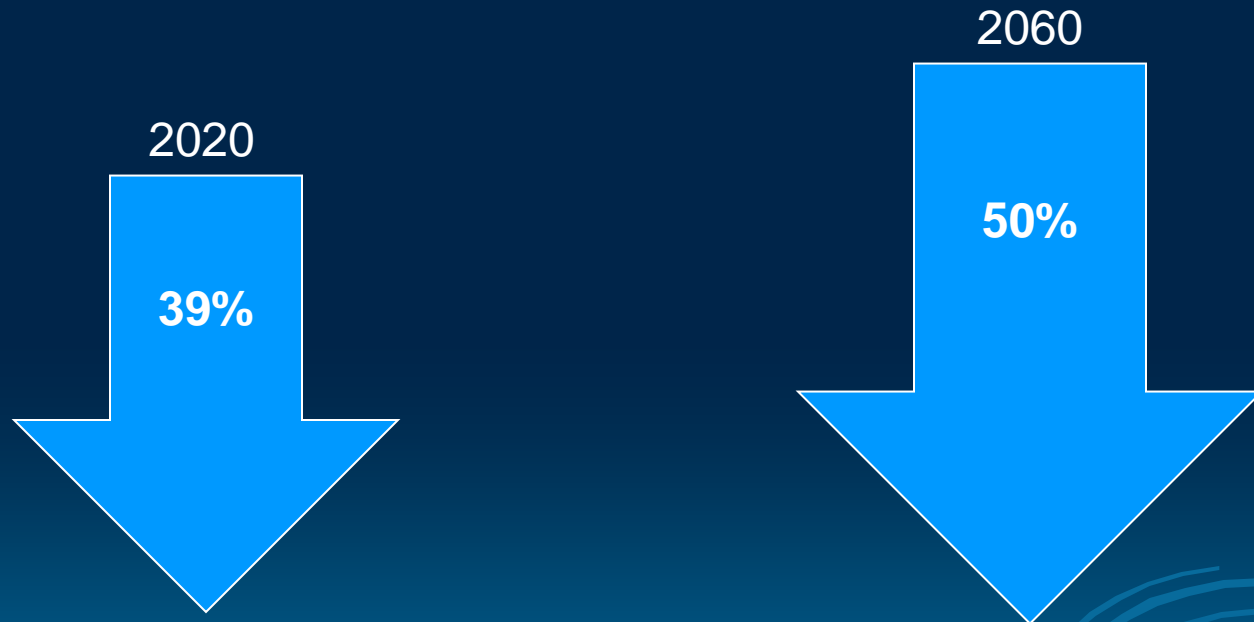
133,000 Acre-feet per Year



2020

Water Supplies by Source

➤ Reduced Supplies for Region B Lakes



2011 Plan: 103,660 acre-feet/year
2016 Plan: 63,262 acre-feet/year

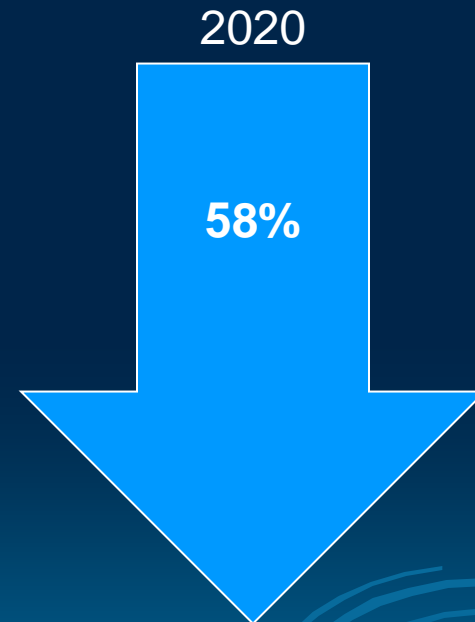
2011 Plan: 85,140 acre-feet/year
2016 Plan: 42,211 acre-feet/year

Water Supplies by Source

➤ Reduced Supplies for Groundwater

Largest reductions from last plan:

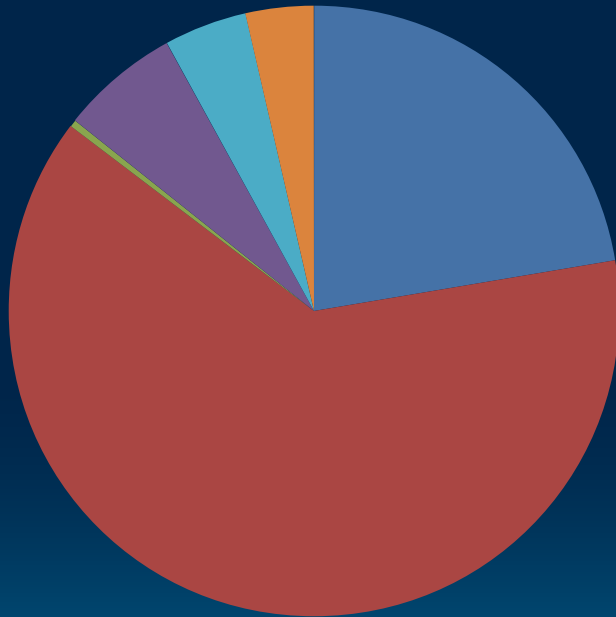
- Blaine Aquifer
- Seymour



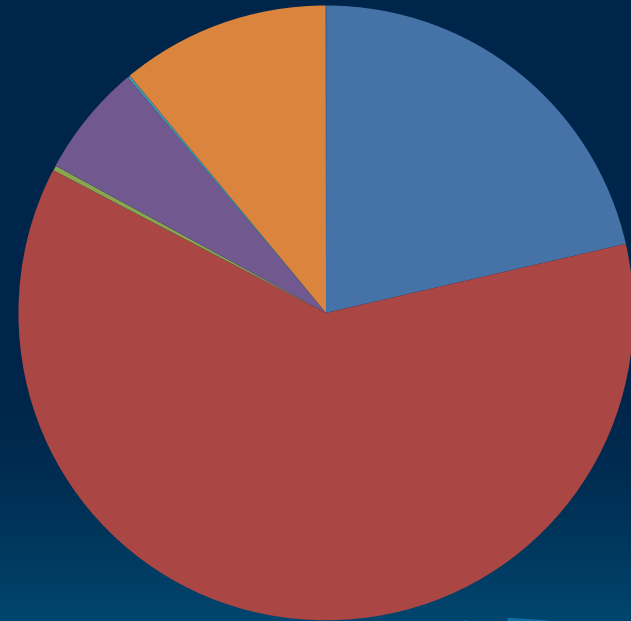
2011 Plan: 190,452 acre-feet/year
2016 Plan: 80,413 acre-feet/year

Draft Need by Use Type

35,744 acre-feet
2020



50,336 acre-feet
2070



■ MUNICIPAL

■ IRRIGATION

■ LIVESTOCK

■ MANUFACTURING

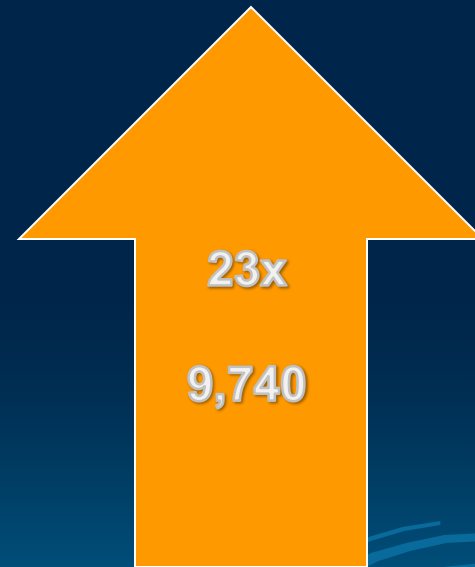
■ MINING

■ SEP

Municipal Needs

➤ Reduced supplies for Wichita Falls

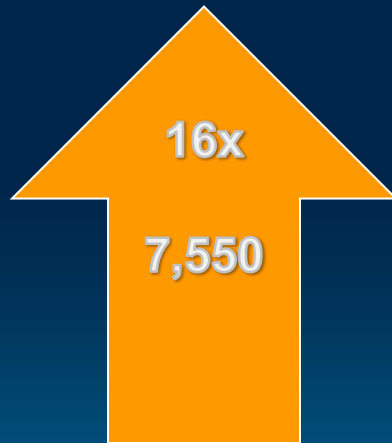
2060 Needs



23x

9,740

2020 Needs



16x

7,550

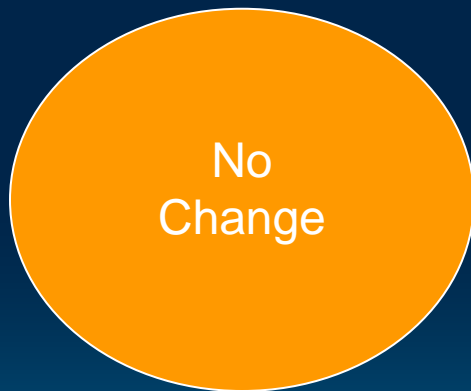
2011 Plan: 431 acre-feet/year
2016 Plan: 7,986 acre-feet/year

2011 Plan: 430 acre-feet/year
2016 Plan: 10,170 acre-feet/year

Irrigation & SEP Needs

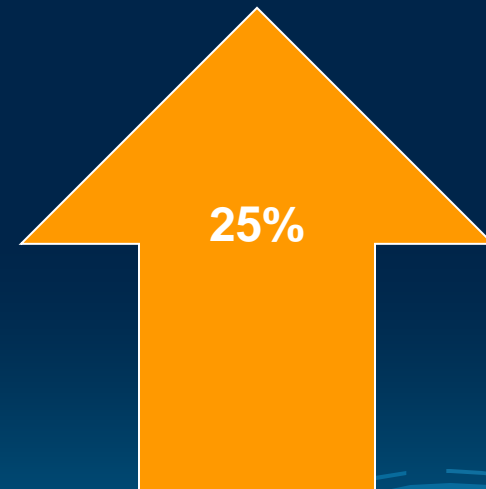
- Reduced the safe yield for Lake Kemp

2020 Needs



2011 Plan: 23,960 acre-feet/year
2016 Plan: 23,800 acre-feet/year

2060 Needs



2011 Plan: 29,059 acre-feet/year
2016 Plan: 36,383 acre-feet/year

Mining

Hydraulic fracking caused 2020 and 2030 mining demands to spike

16x greater demand in 2020

2011 Plan: 845 acre-feet demand

2016 Plan: 13,672 acre-feet demand

9x greater demand in 2030

2011 Plan: 845 acre-feet demand

2016 Plan: 13,672 acre-feet demand