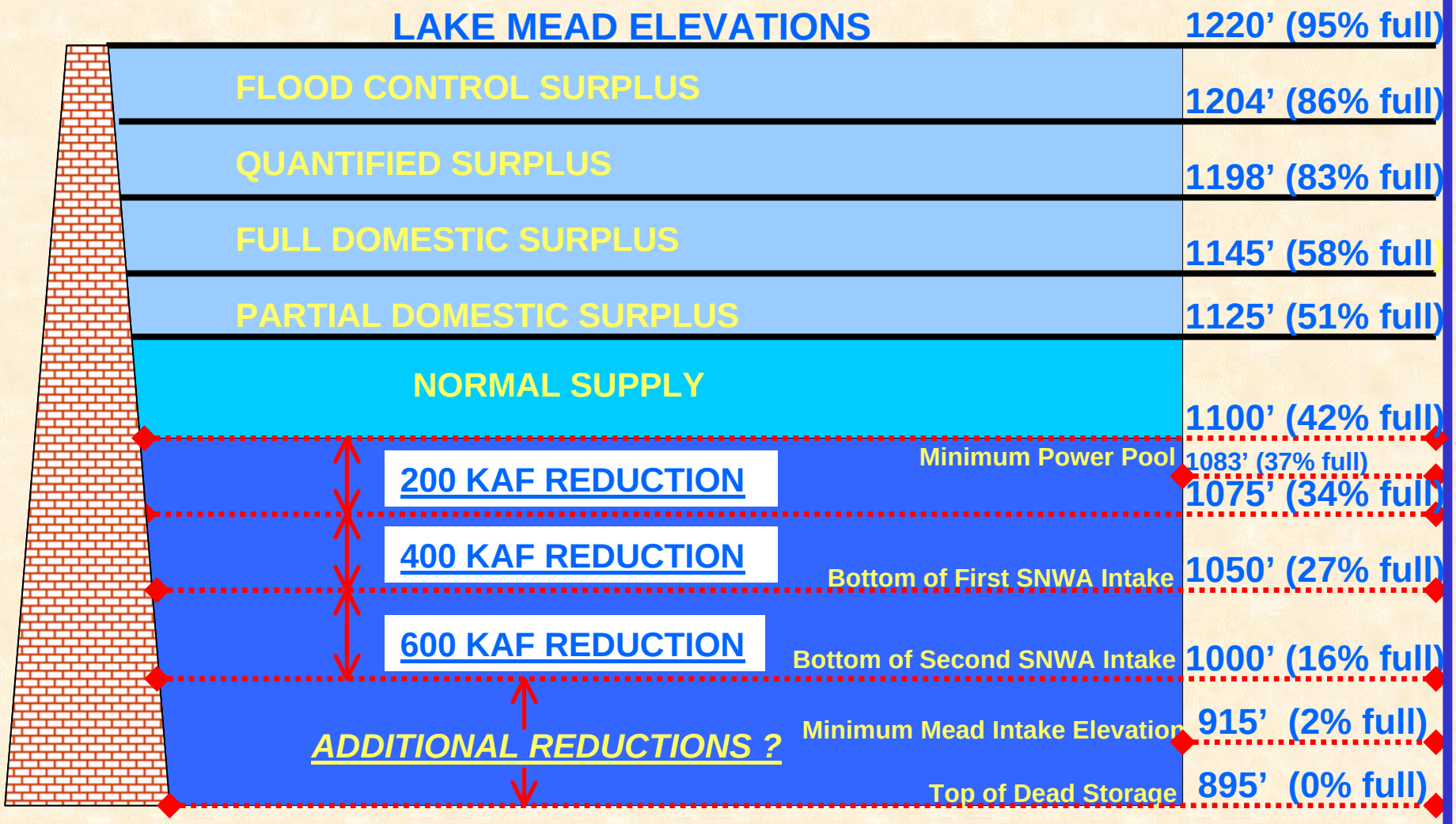
Arizona Department of Water Resources

Arizona Colorado River Additional Modeling Analyses

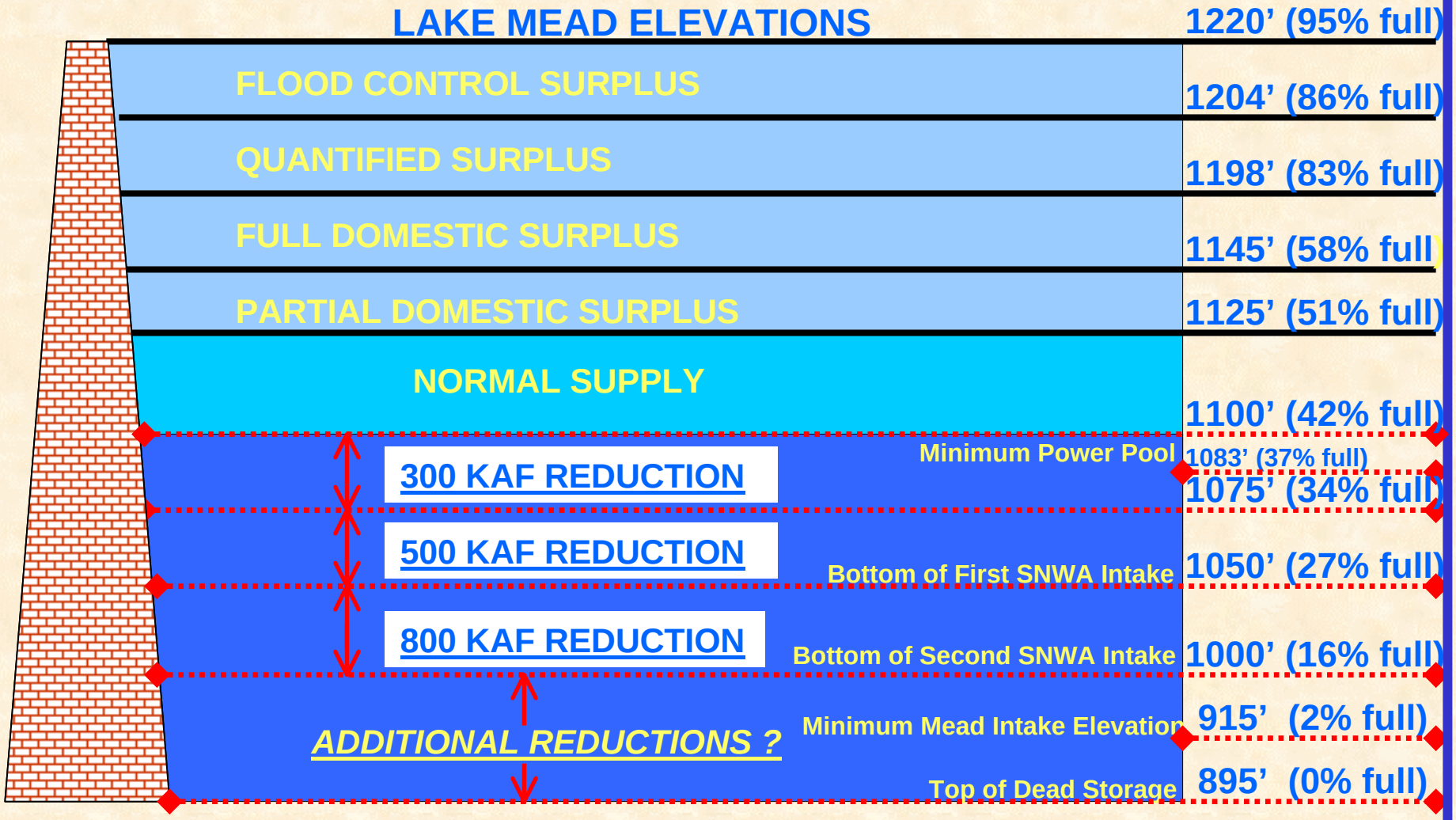
Arizona Colorado River Shortage Sharing

Tiered Shortage Option #1



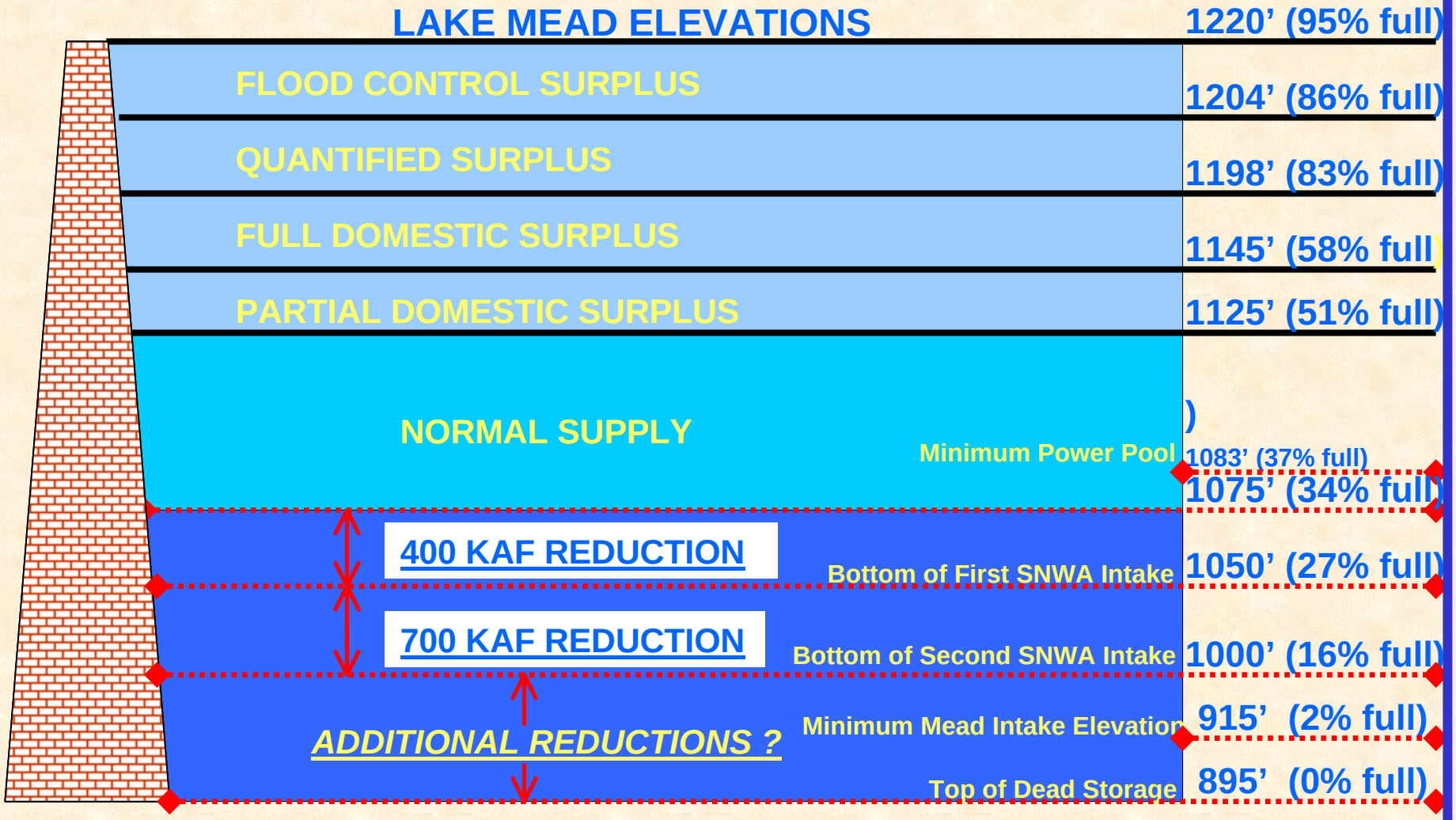
Arizona Colorado River Shortage Sharing

Tiered Shortage Option #2



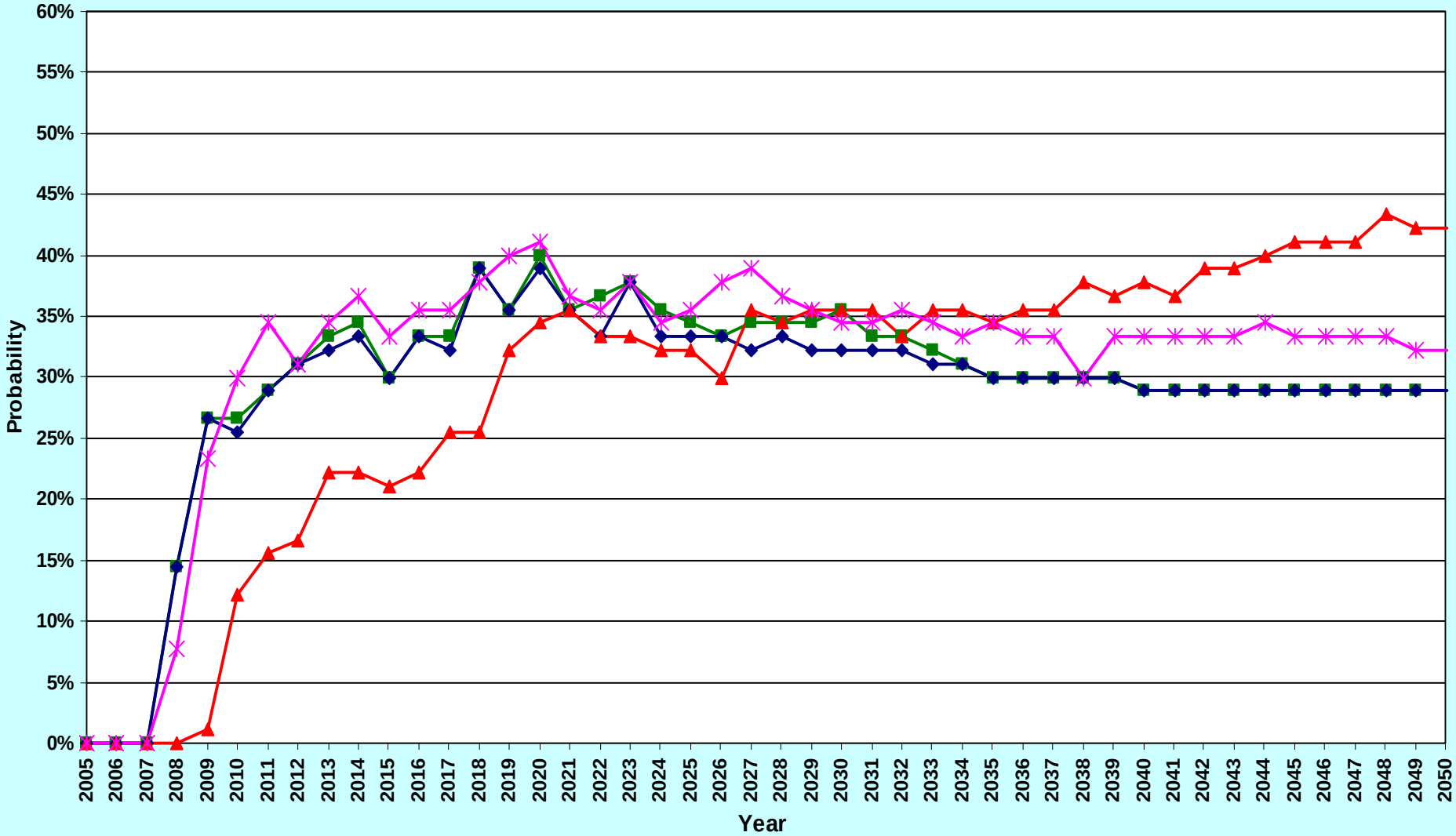
Arizona Colorado River Shortage Sharing

Tiered Shortage Option #3



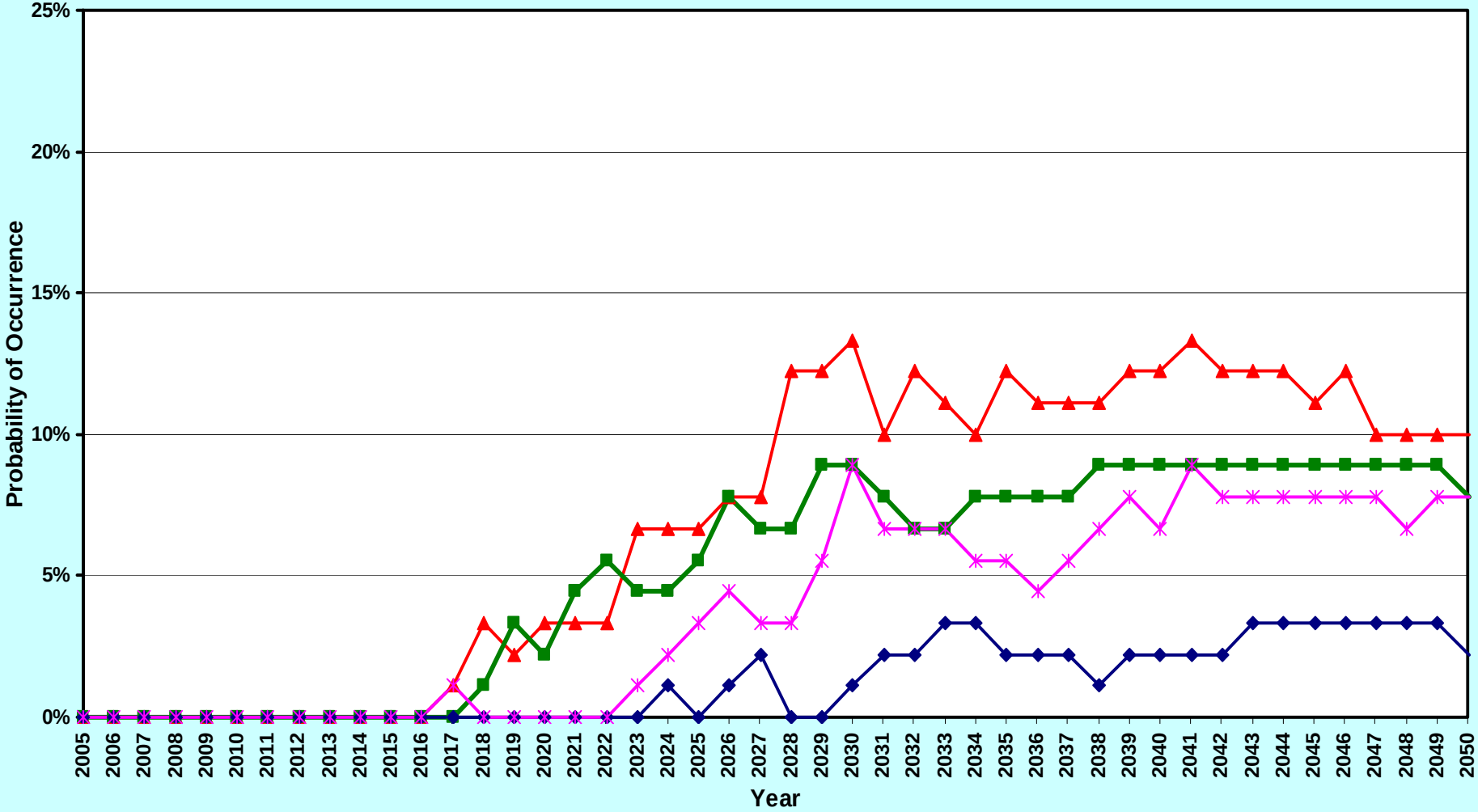
PROBABILITY OF SHORTAGE

UPPER BASIN LIMITED TO 4.8 MAF - AWBA PROJECTION



- Interim Surplus Guidelines - Ending in 2016, Tiered Shortage Strategy - 200KAF, 400 KAF, 600 KAF, Mead Minimum Elevation - 1,000 feet, Upper Basin Limited to 4.8 MAF - AWBA Projection, YDP Starts in 2009
- Interim Surplus Guidelines - Ending in 2016, Tiered Shortage Strategy - 300KAF, 500 KAF, 800 KAF, Mead Minimum Elevation - 1,000 feet, Upper Basin Limited to 4.8 MAF - AWBA Projection, YDP Starts in 2009
- Interim Surplus Guidelines - Ending in 2016, 80P1050 First Level Shortage, Mead Minimum Elevation - 1,000 feet, Upper Basin Limited to 4.8 MAF - AWBA Projection, YDP Starts in 2009, 500 KAF Shortage
- Interim Surplus Guidelines - Ending in 2016, Tiered Shortage Strategy - 400 KAF, 700 KAF, Mead Minimum Elevation - 1,000 feet, Upper Basin Limited to 4.8 MAF - AWBA Projection, YDP Starts in 2009

PROBABILITY OF EXCEEDING PLANNED SHORTAGE AMOUNTS
TIERED SHORTAGE REDUCTIONS
UPPER BASIN LIMITED TO 4.8 MAF - AWBA PROJECTION



- Interim Surplus Guidelines - Ending in 2016, 80P1050 First Level Shortage, Mead Minimum Elevation - 1,000 feet, Upper Basin Limited to 4.8 MAF - AWBA Projection, YDP Starts in 2009, 500 KAF Shortage
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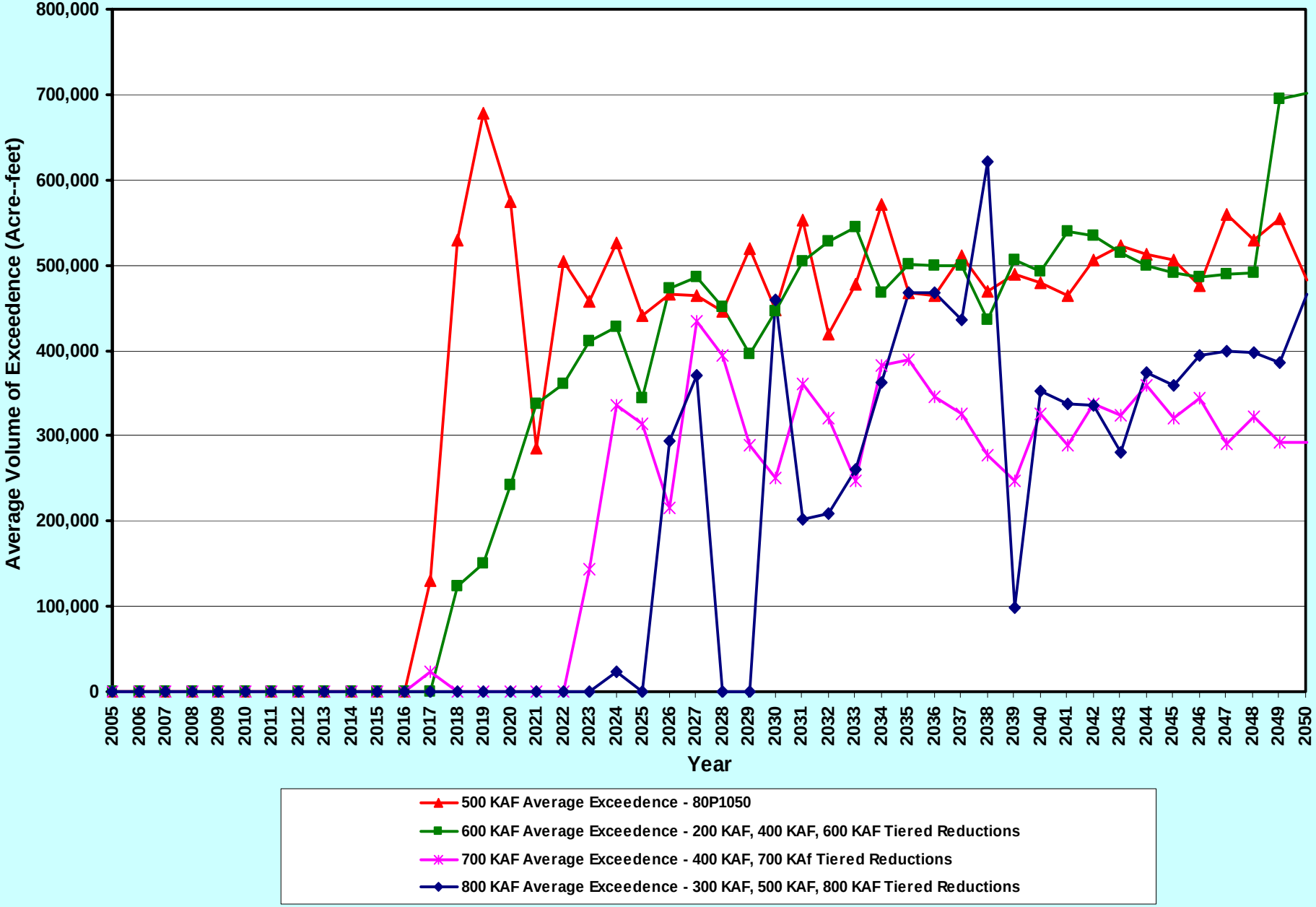
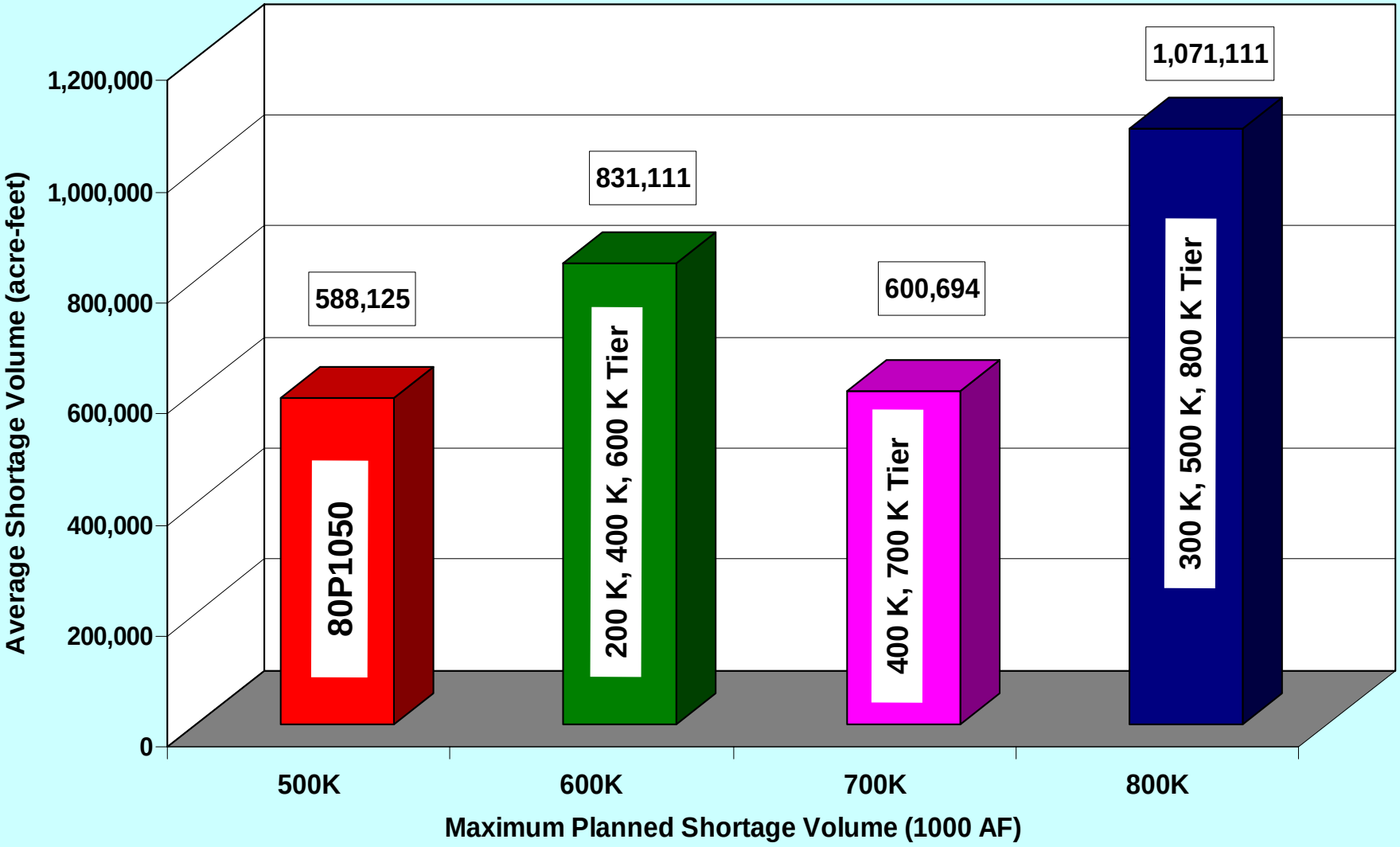
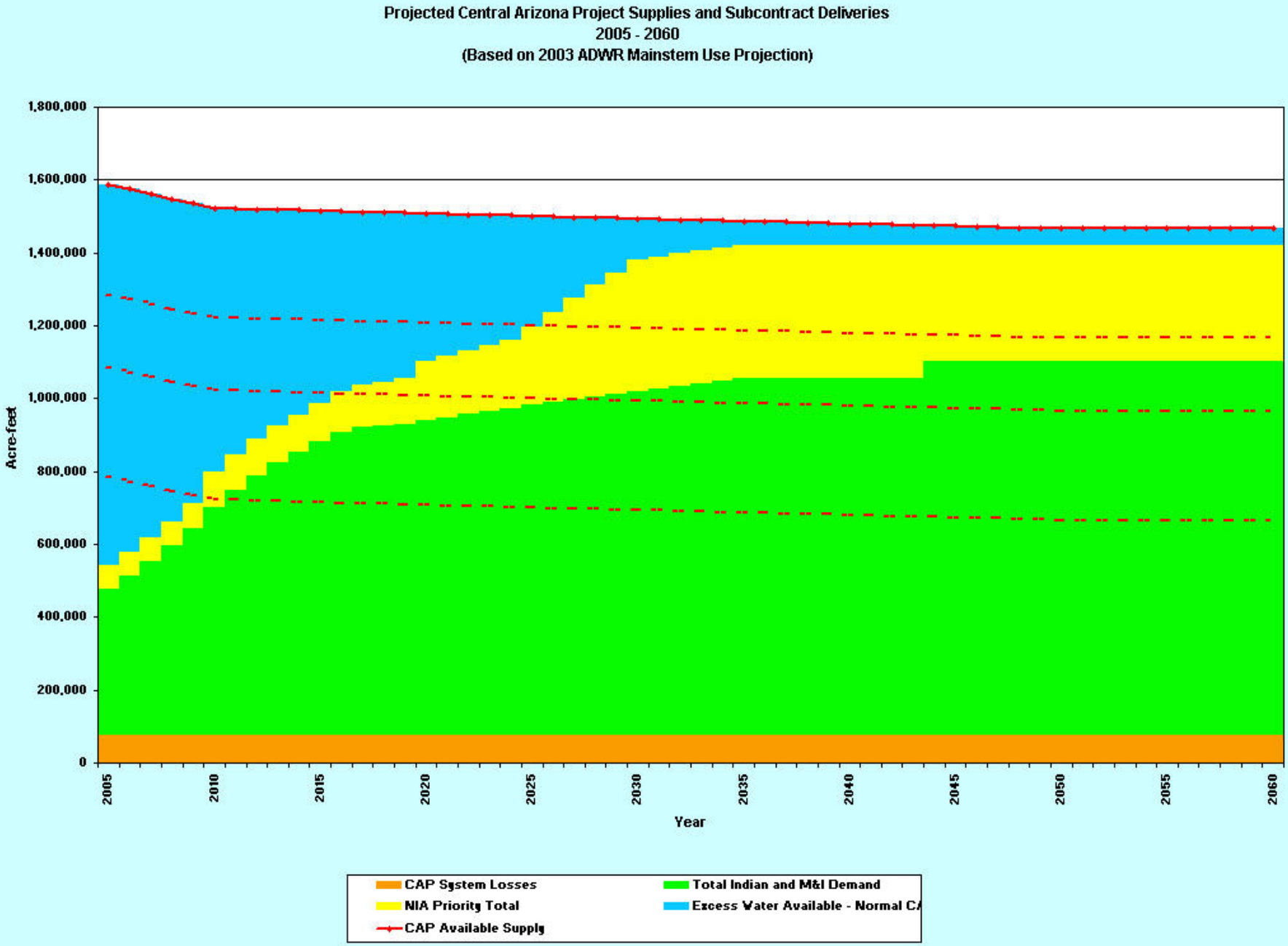
AVERAGE VOLUME EXCEEDING PLANNED SHORTAGE AMOUNTS
TIERED SHORTAGE REDUCTIONS
UPPER BASIN LIMITED TO 4.8 MAF - AWBA PROJECTION



AVERAGE SHORTAGE TO LOWER BASIN FOR PERIOD EXTENDING 2005 - 2016




Projected Central Arizona Project Supplies and Subcontract Deliveries
2005 - 2060
(Based on 2003 ADWR Mainstem Use Projection)
Acre-feet
1,800,000
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
2005
2010
2015
2020
2025
2030
2035
2040
2045
2050
2055
2060
Year
CAP System Losses
Total Indian and M&I Demand
NIA Priority Total
Excess Water Available - Normal CA
CAP Available Supply