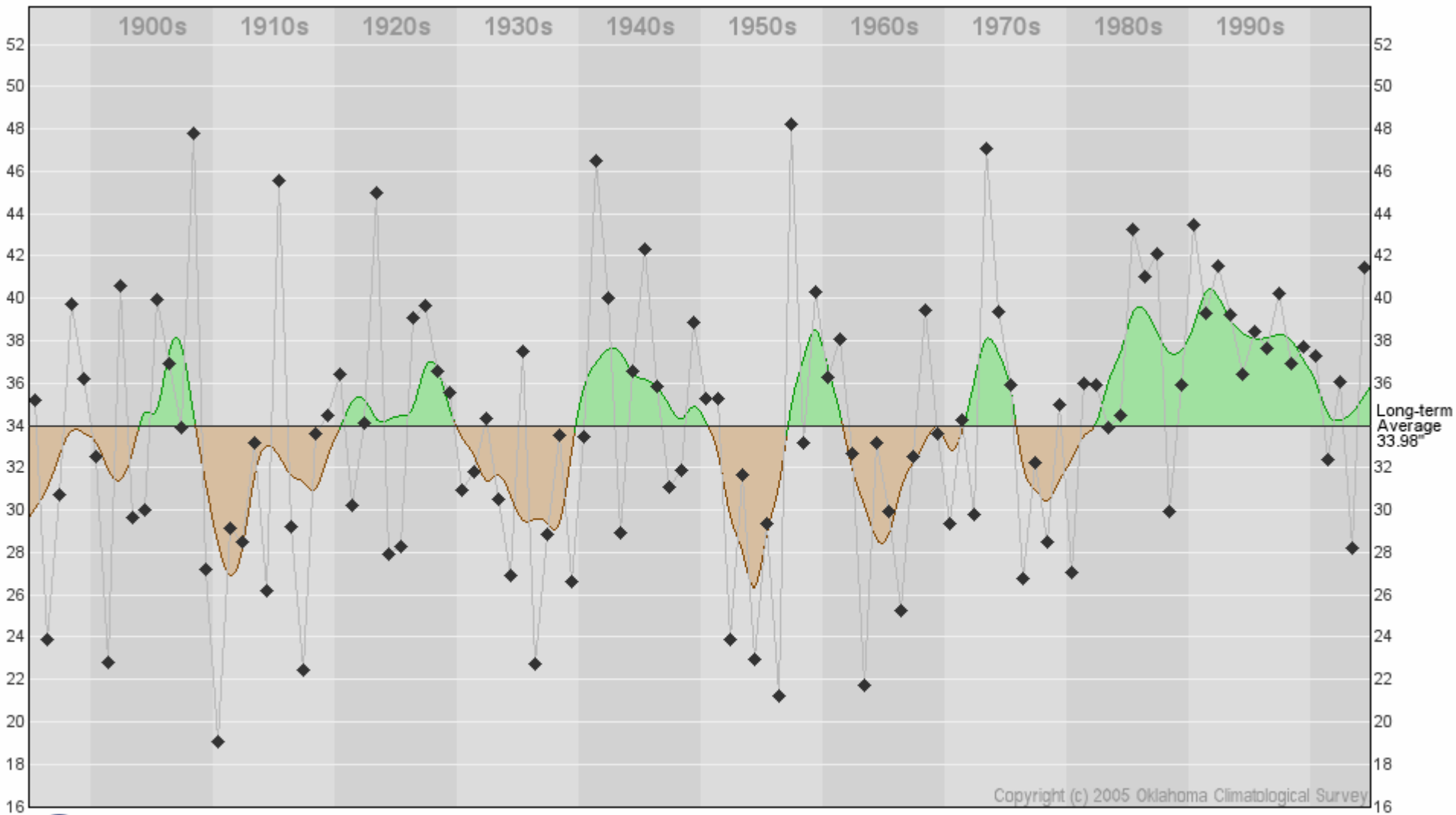


Southwestern Regional Hydropower Conference

Kansas City, Missouri

June 7-8, 2006

Southwestern Power Administration



Copyright (c) 2005 Oklahoma Climatological Survey



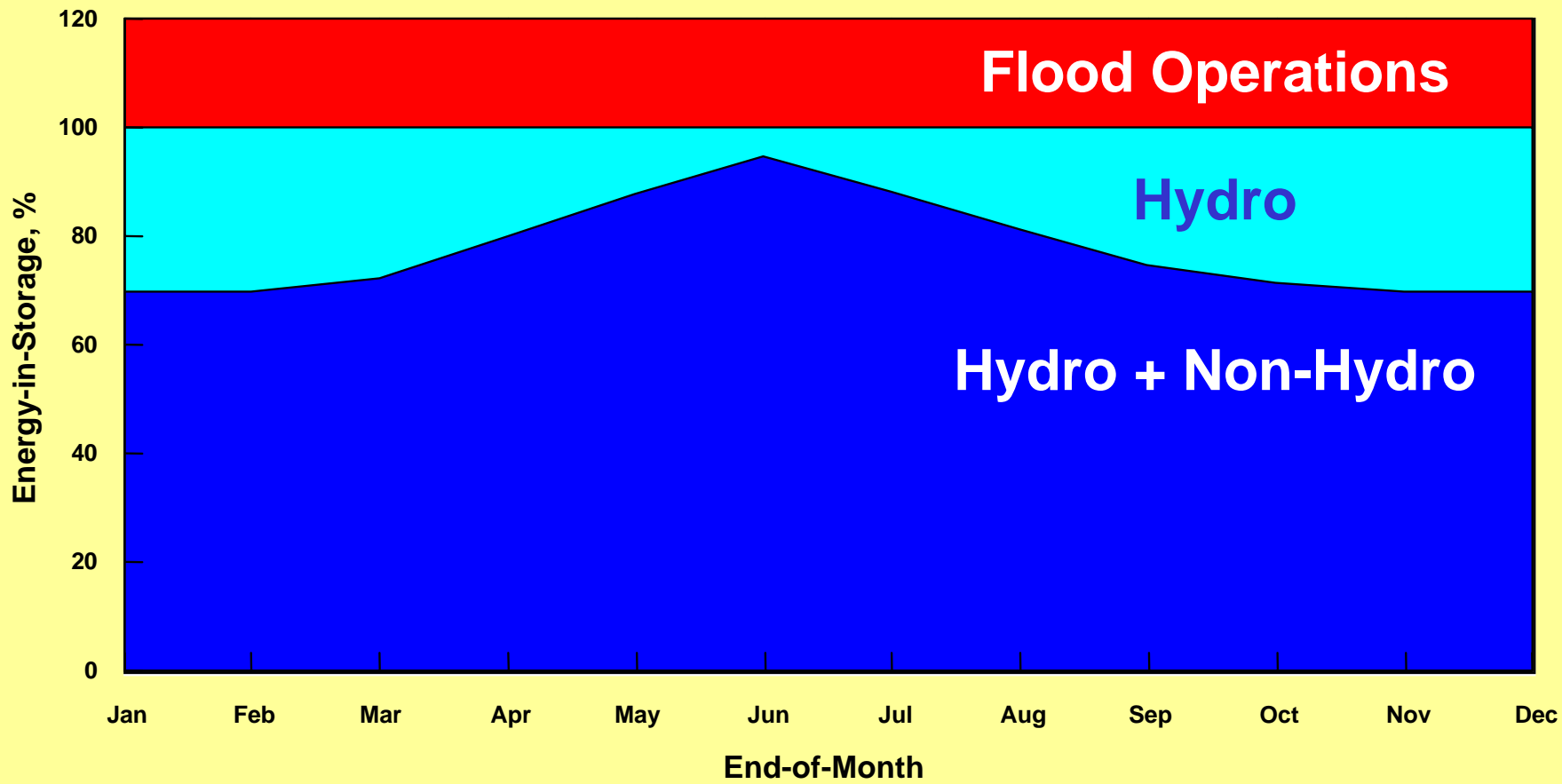
Annual Rainfall History with 5-yr Weighted Trends
 Climate Division 10 (Statewide): 1895-2004

- Wetter historical periods
- Drier historical periods

Drought Operations Guides

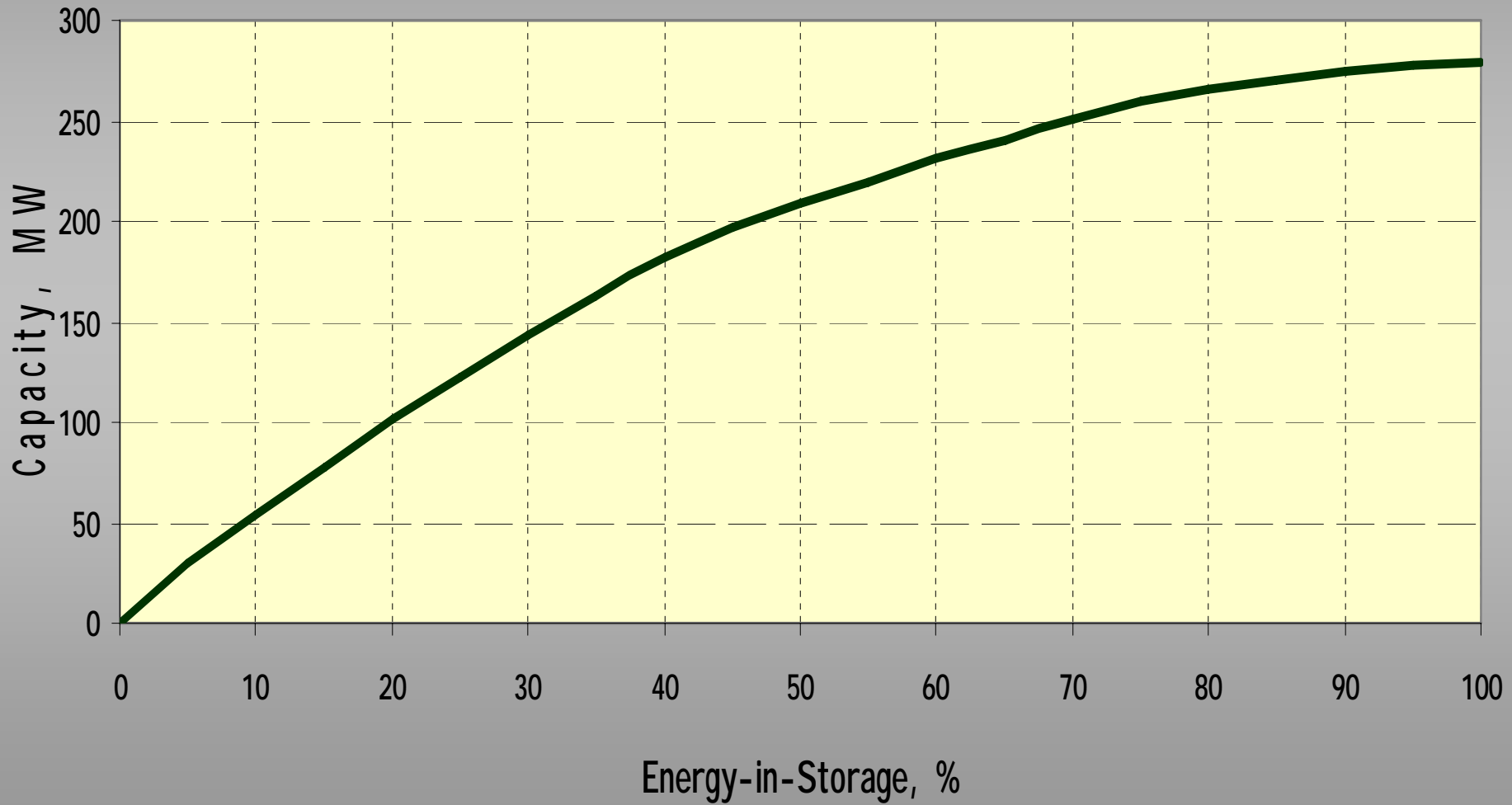
- **Non-Hydro Guide Curve**
- **Inflow trends**
- **Drought Indices**
- **Storage Remaining**
- **Long-term weather forecasts**
- **Season of the year**
- **Price of power**
- **Daily & weekly loads**
- **Other**

Non-Hydro Guide Curve

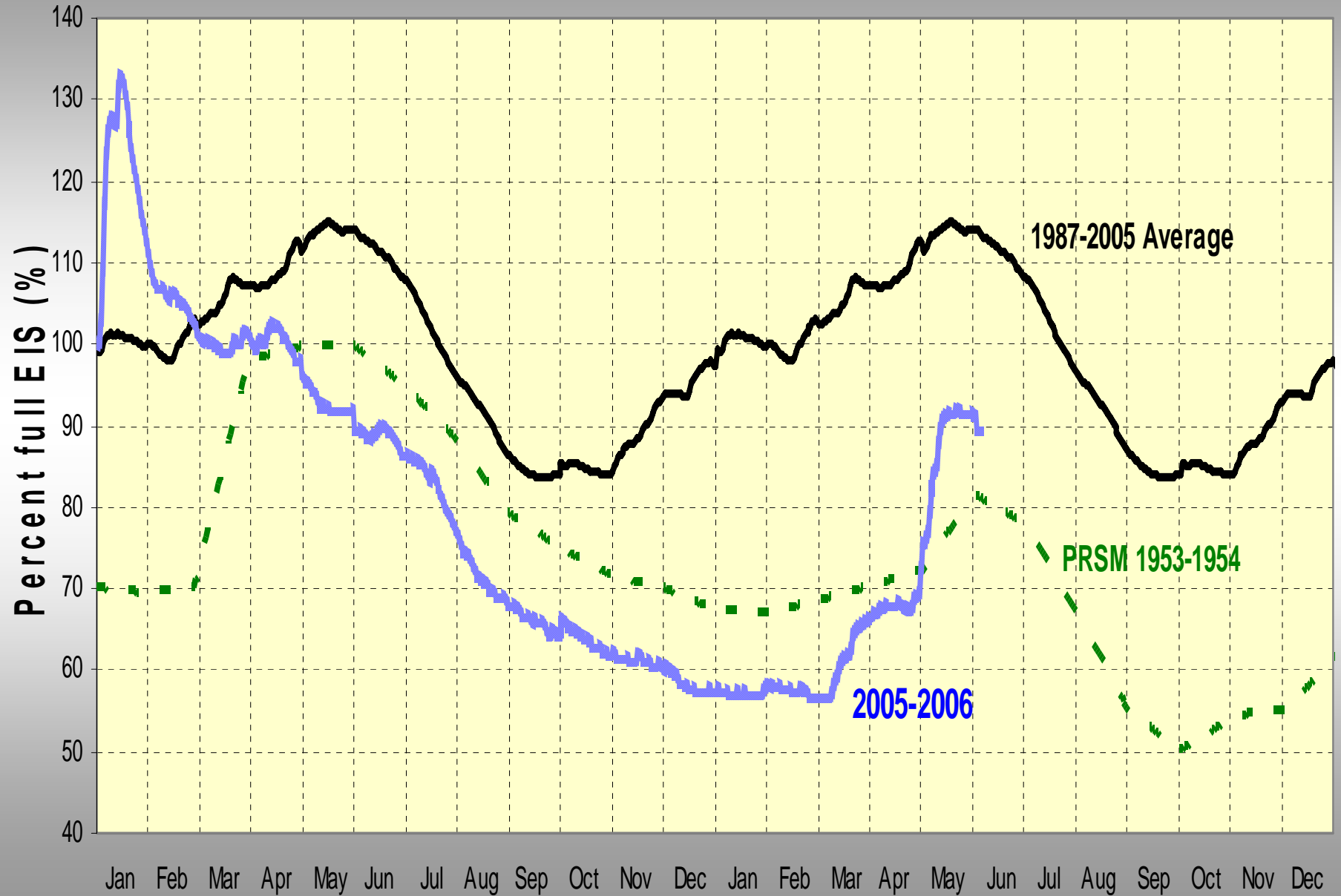


17-Reservoir System

Gain in Capacity with Increased Head

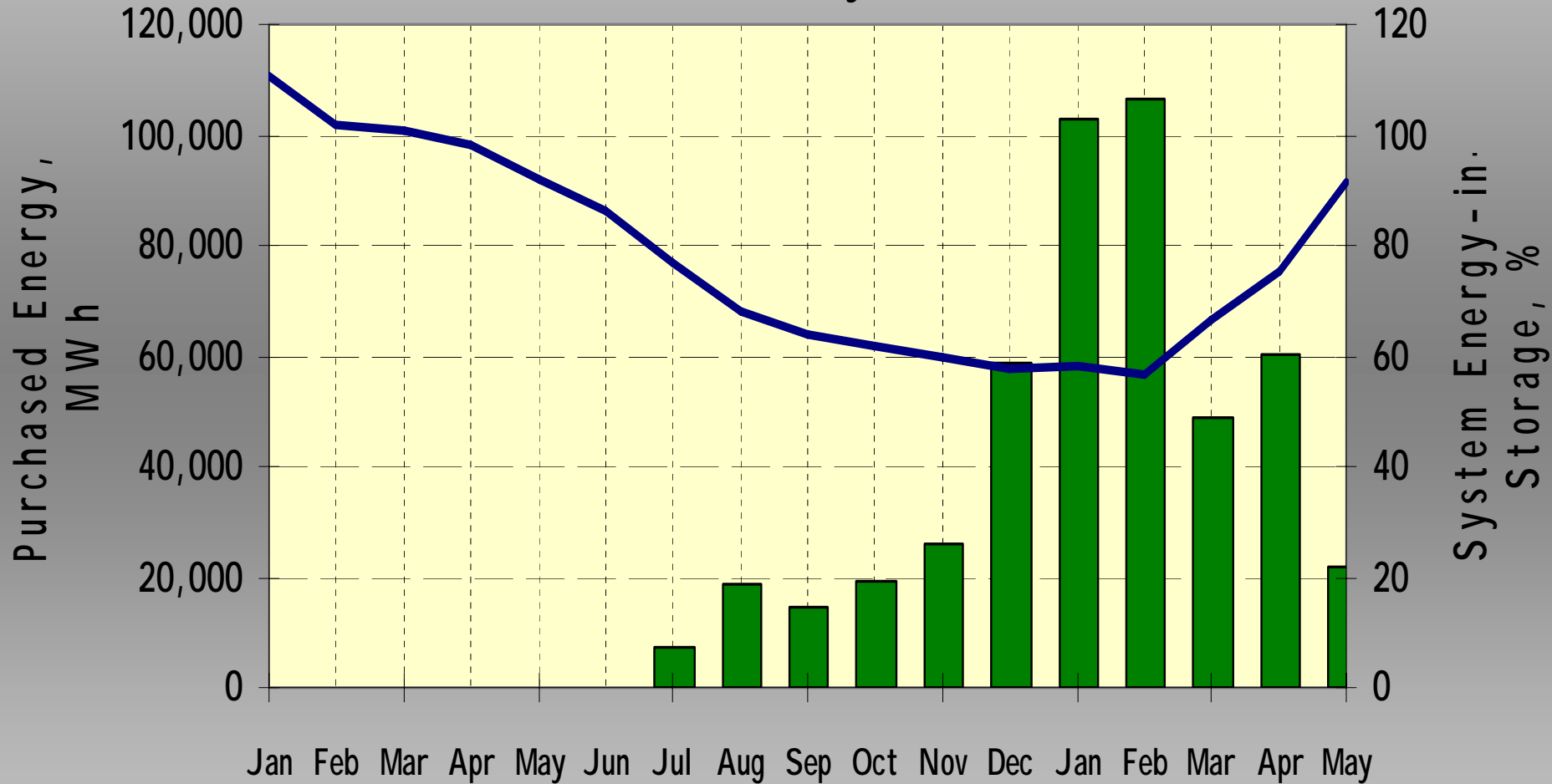


Interconnected System Energy-In-Storage (EIS)



Southwestern Power Administration

17-Reservoir System

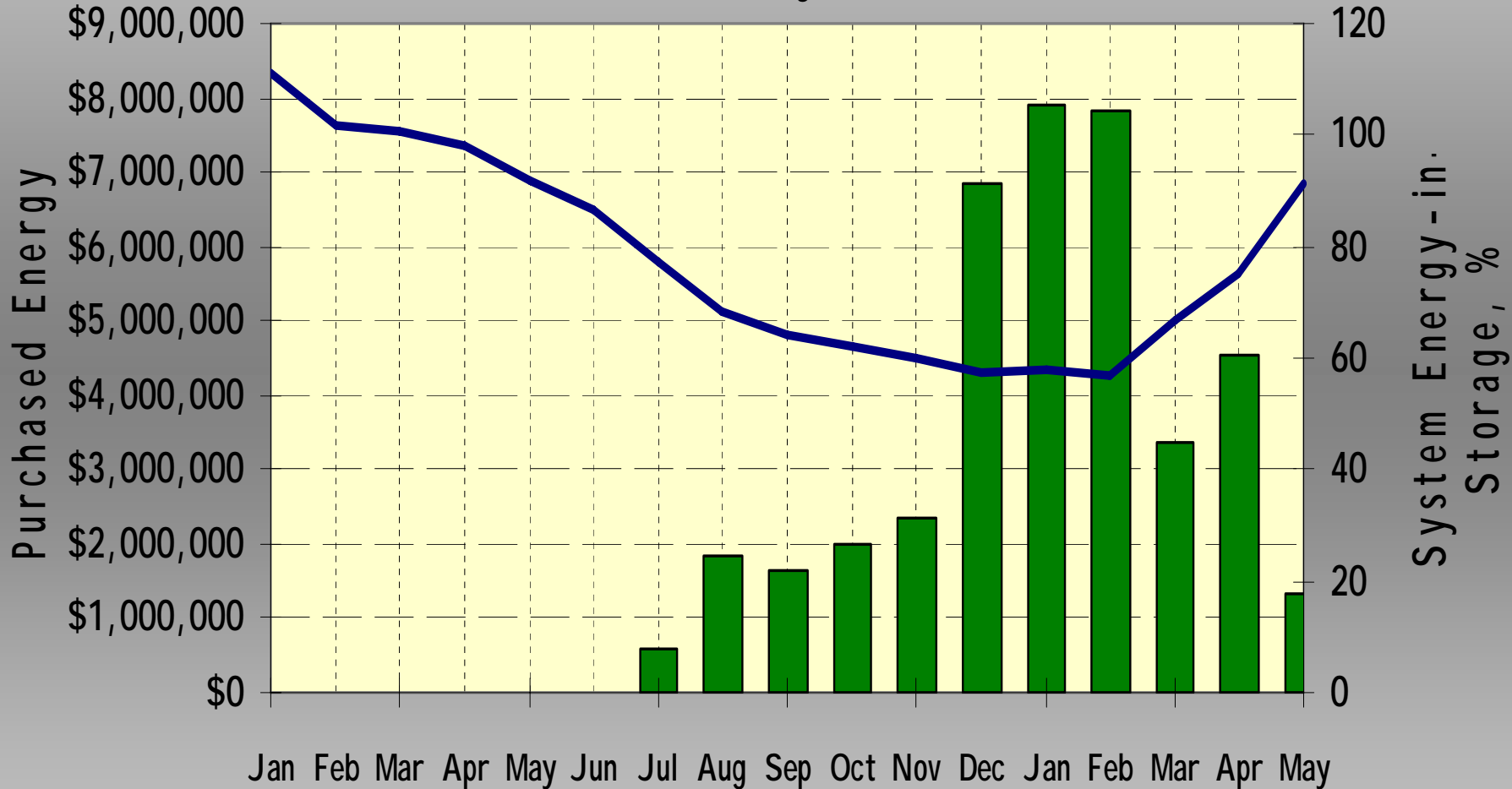


 Purchases  System EIS

End-of-Month: 2005 - 2006

Southwestern Power Administration

17-Reservoir System



 Purchases  System EIS

End-of-Month: 2005 - 2006

SWPA RATES

- **Cost Based**
 - **Initial construction costs**
 - **Interest on construction**
 - **Interest on amortization**
 - **Annual operation and maintenance**
 - **New replacement equipment**
- **\$133,000,000 yearly**

TENKILLER



BEAVER



KEYSTONE



Interconnected System

Oklahoma	Arkansas	Missouri
Keystone (TD)	Beaver (LRD)	Table Rock (LRD)
Fort Gibson (TD)	Bull Shoals (LRD)	Stockton (KCD)
Webbers Falls (TD)	Norfork (LRD)	H.S. Truman (KCD)
Tenkiller (TD)	Greers Ferry (LRD)	Cannon (SLD)
Eufaula (TD)	Ozark (LRD)	
R.S. Kerr (TD)	Dardanelle (LRD)	
Broken Bow (TD)		

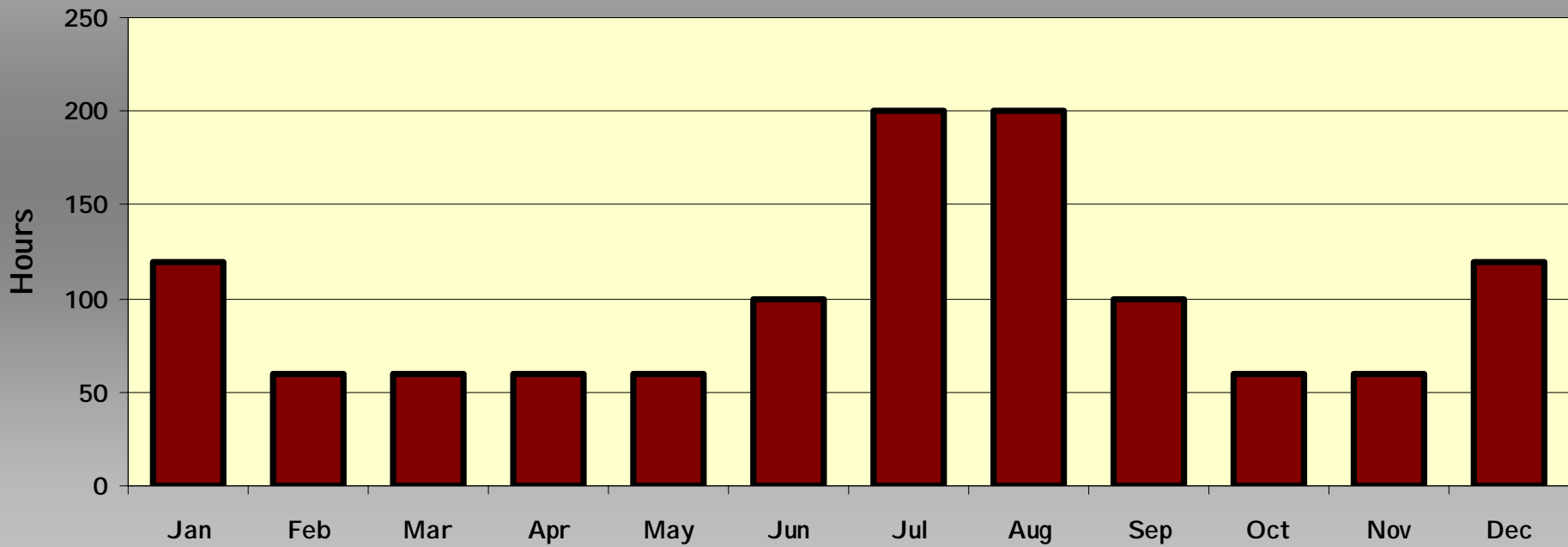
Run-of-River Projects



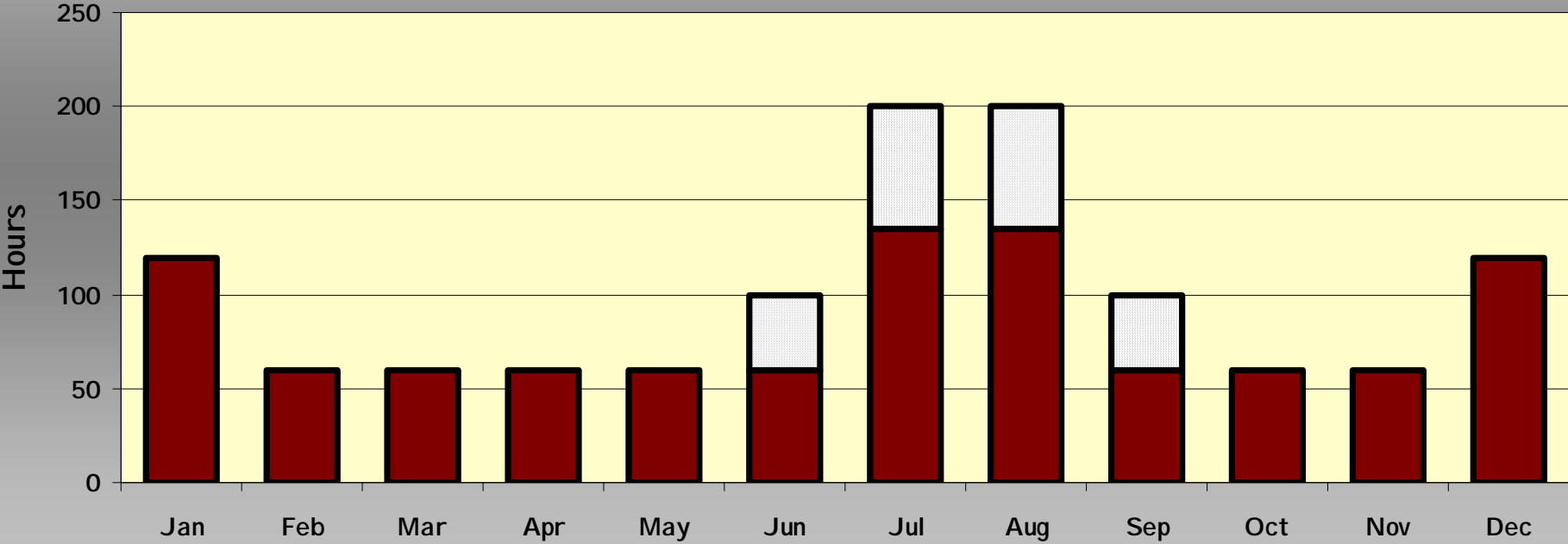
1,200 Hour Contracts

- **1,200 MWh per MW of contracted capacity**
- **Maximum 200 hours/month**
- **Minimum 60 hours/month**
- **Maximum 600 hours/4 months**
- **Pro rata share of supplemental energy**

Southwestern Power Administration Typical Load Distribution



Southwestern Power Administration Peaking Energy Deferral Program



Customer Drought Measures

- Reduced minimum take (2006, Mar: 60 to 20 hrs, Apr 60 to 40 hrs)
- Defer Peaking Energy (Jun – Sep 2006)
Initially customers deferring 195 hours through this period. The 195 hours will be provided later in the customer's current Contract Year, if available, or during the 3 subsequent Contract Years. Estimated cost to customers to replace the 195 hrs is approx \$30 to 40 million this summer.
- Pay the additional cost of SWPA purchased power
Est. \$30 - \$40 million.

