



Public Lands Committee

3/26/2004

EXHIBIT F Lands

Document consists of **30 slides**.

- ☒ Entire document provided.
- ☐ Due to size limitations, _____ and _____ provided. A copy of the complete document is available through the Research Library (775/684-6827) or e-mail library@lcb.state.nv.us.

Meeting Date: **03-26-04**

Our History

Truckee Meadows Water Authority has been formed as a result of a collaboration of the Cities of Reno and Sparks and Washoe County.

Governance:

Formed under the Joint Powers Legislation of the State of Nevada and is subject to the Open Meeting Law.

Board of Directors: Seven total members

- * Appointed by: Reno City Council (3 seats)
- * Sparks City Council (2 seats)
- * Washoe County (1 seat)

TMWA Board Members



Chairman Tony Armstrong

Mayor of Sparks



Dave Aiazzi

Reno City Council



Bob Cashell

Mayor of Reno



Carlo Panicari



Pete Sferrazza

Washoe County
Commission
Chairman



Mike Carrigan

Sparks City Council

**Seventh Member
– TBA???**

Acquired Assets

Surface Rights –

over 90,000 af

Groundwater Rights –

31 wells with up to 22,000 af



Storage Rights –

- * Owned – Donner, Independence (22,250 af)
- * Storage Contract – Boca & Stampede (up to 14,000 af)

Acquired Assets



Treatment Facilities

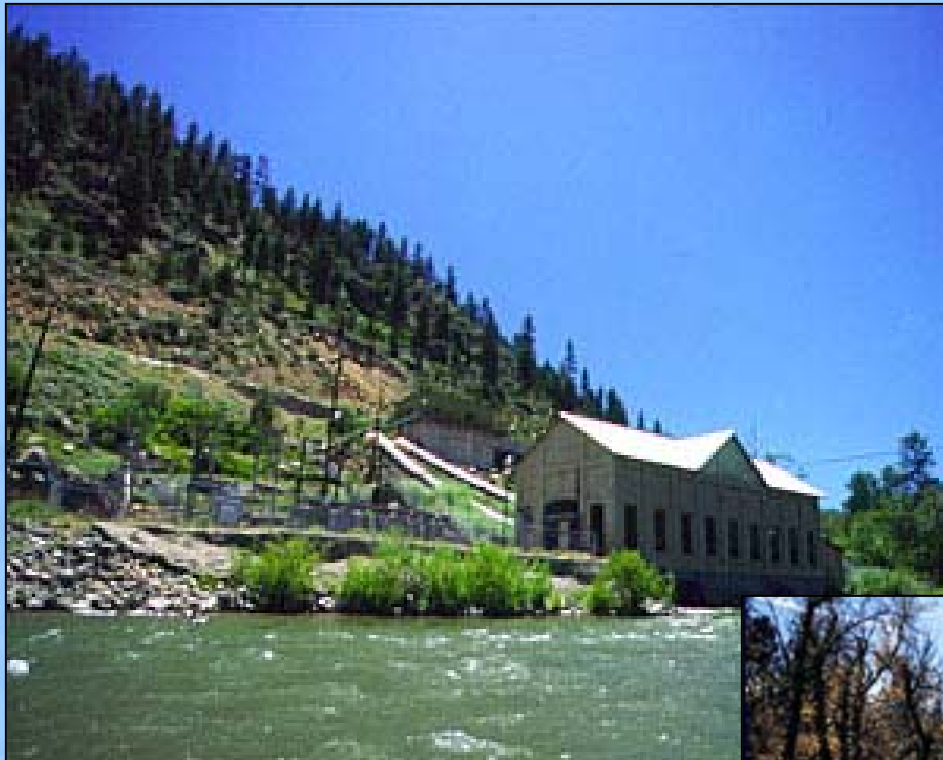
- * Chalk Bluff - 83 MGD
- * Glendale - 25 MGD
- * Highland Ditch

Distribution System

- * 1,600 miles of water mains
- * 81,000 services
- * 94 pump stations
- * 32 tanks
- * 31 wells



Acquired Assets



Hydroelectric Generation

- * 4 plants @
- * 2.5 mw each



Bond Financing

Bond Size:	\$452,395,000
Acquisition:	350,000,000
Capital improvement:	40,000,000
Operations & Maintenance:	6,000,000
Ops & Maintenance Reserve:	4,600,000
Start Up:	4,000,000
Debt Service Reserve fund:	30,000,000
Capitalized & Accrued interest:	6,700,000
Cost of Issuance, insurance, contingency, issue discount:	11,095,000



Integrated Water Supplies



TMWA's Resources

SURFACE RIGHTS

- * "40" cfs (28,959 AF)
- * Hunter Creek (9,847 AF)
- * Conversion of Irrigation Rights (51,600 AF)

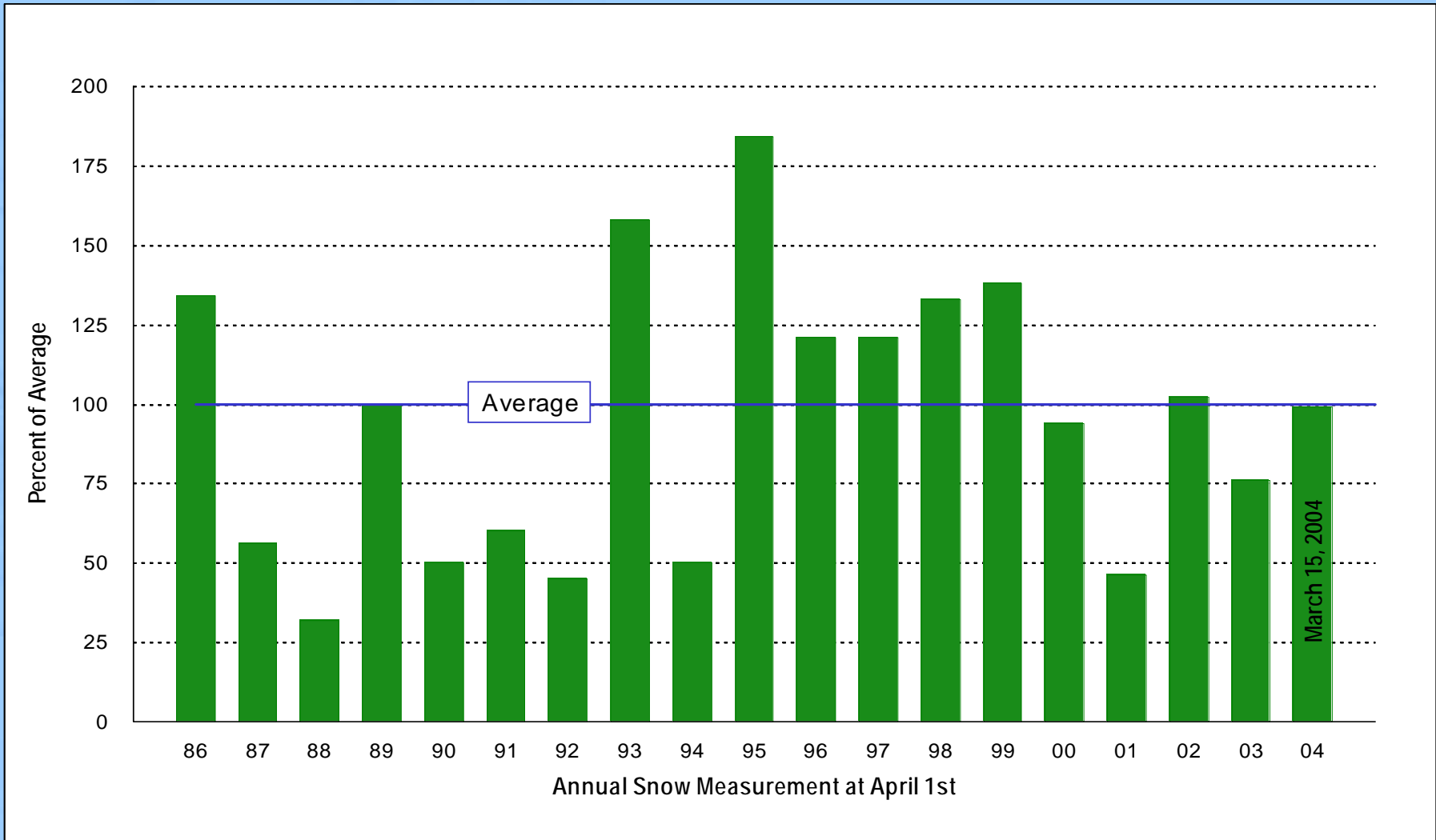
GROUNDWATER RIGHTS

- * 15,950 AF or less in non-drought years
- * 22,000 AF in drought years

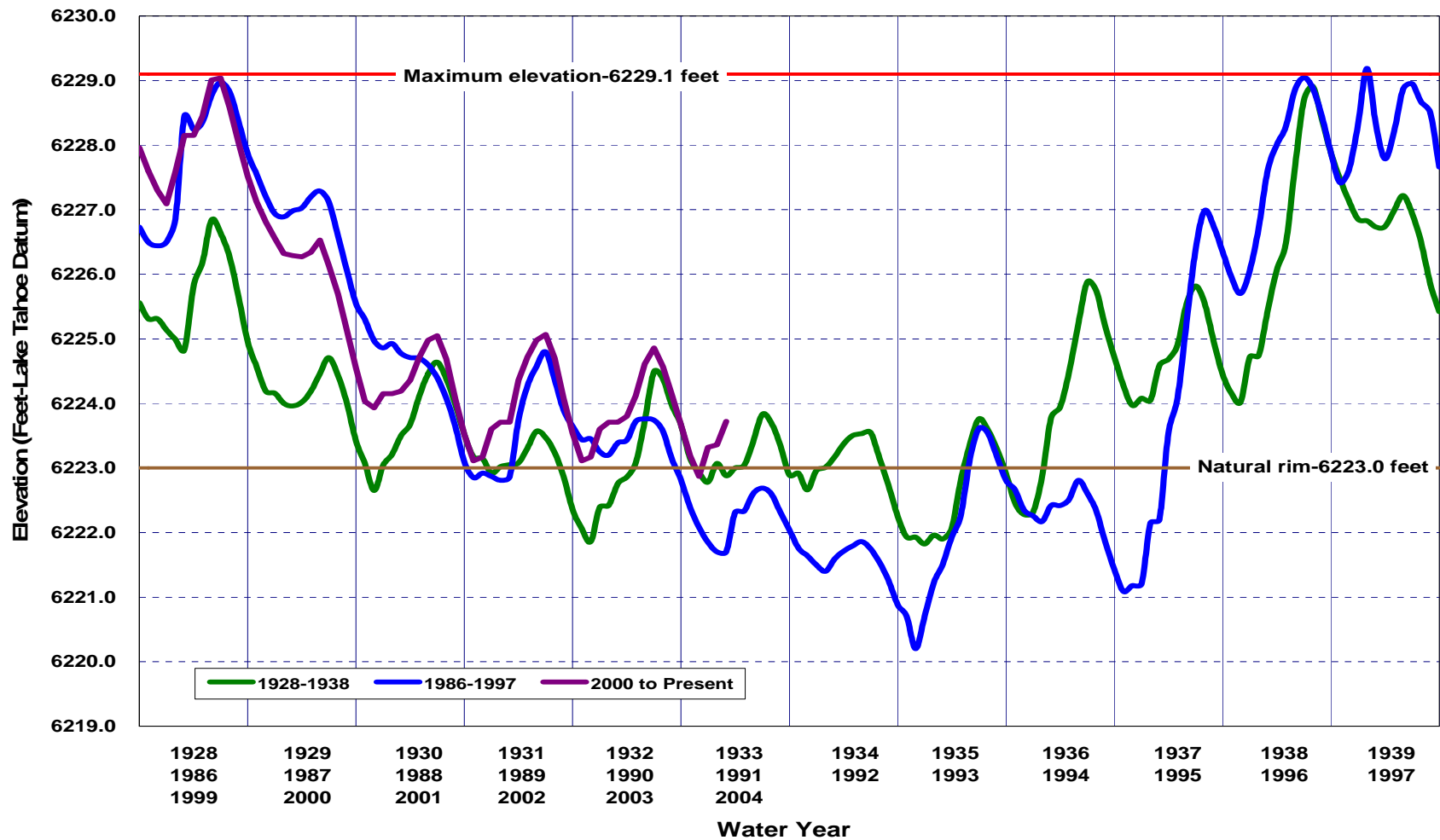
STORAGE RIGHTS

- * Independence Lake (17,500 AF)
- * Donner Lake (4,750 AF)
- * Interim Storage Contract (ISA)
 - 25 year contract for 14,000 AF of storage

Truckee River Basin Snowpack

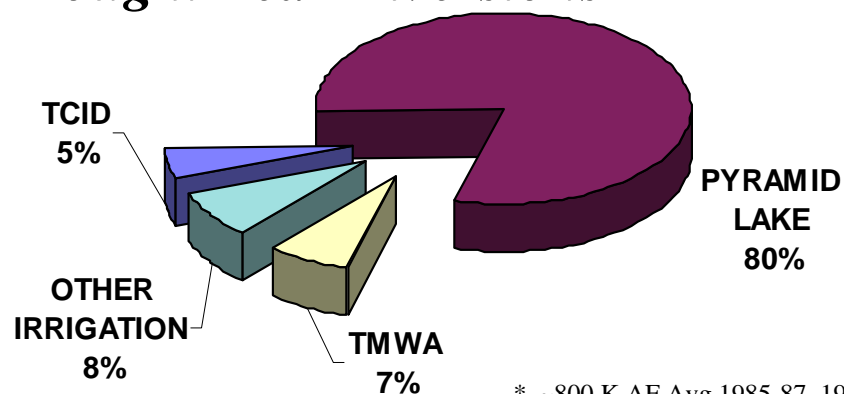


Tahoe Elevations



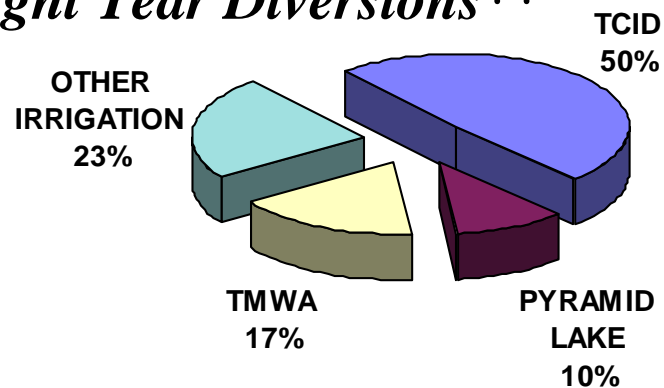
Truckee River Diversions

*Non-Drought Year Diversions**



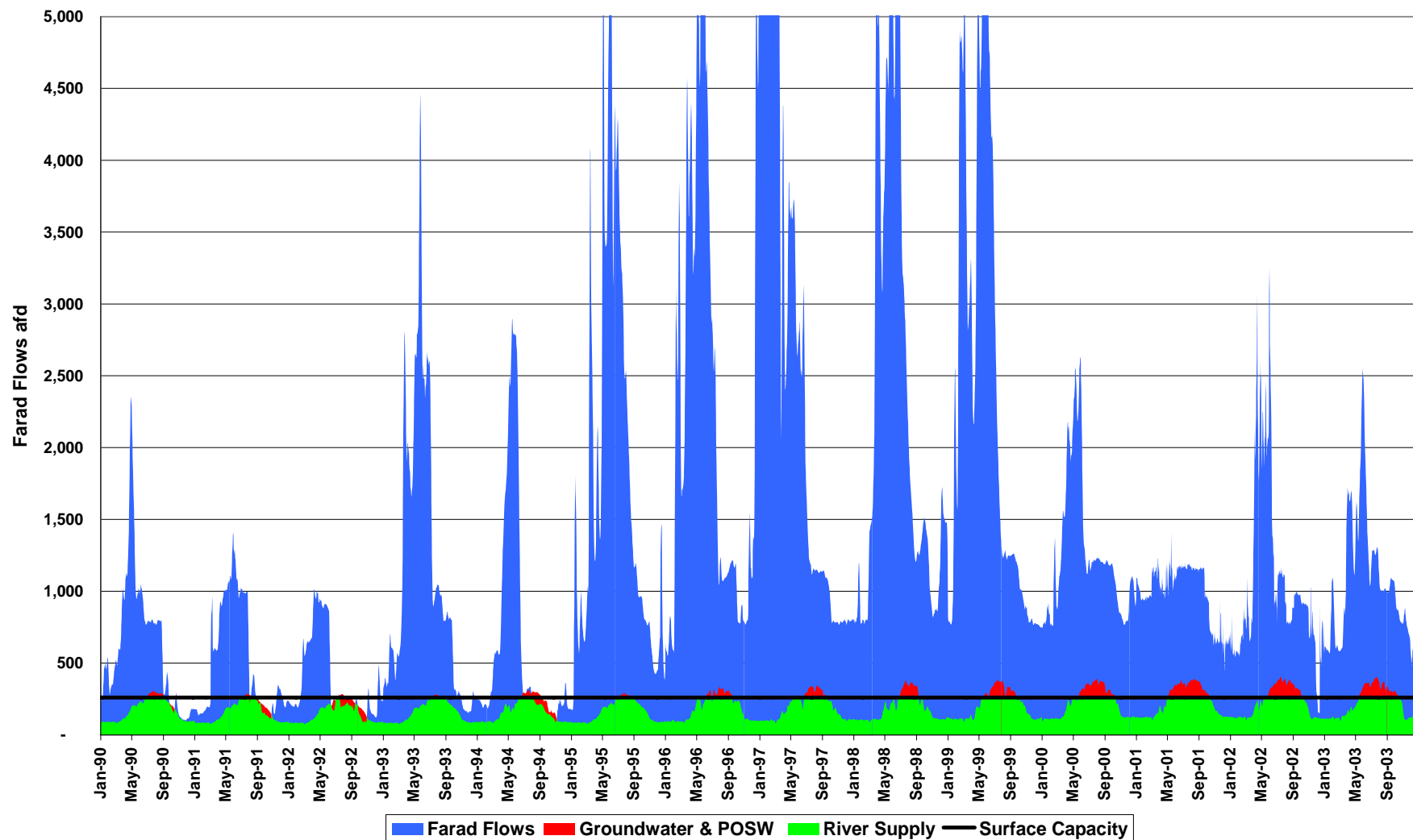
* ~800 K AF Avg 1985-87, 1996-2001

*Drought Year Diversions***

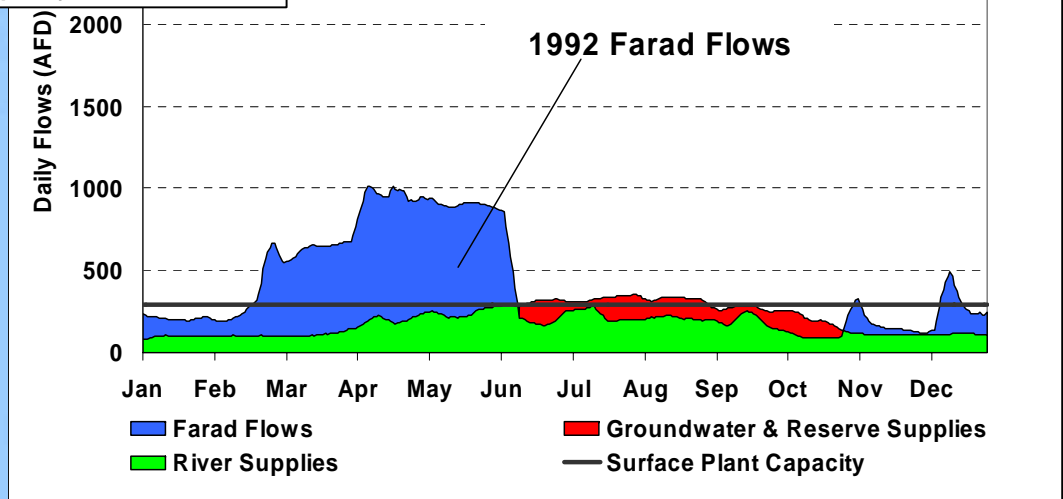
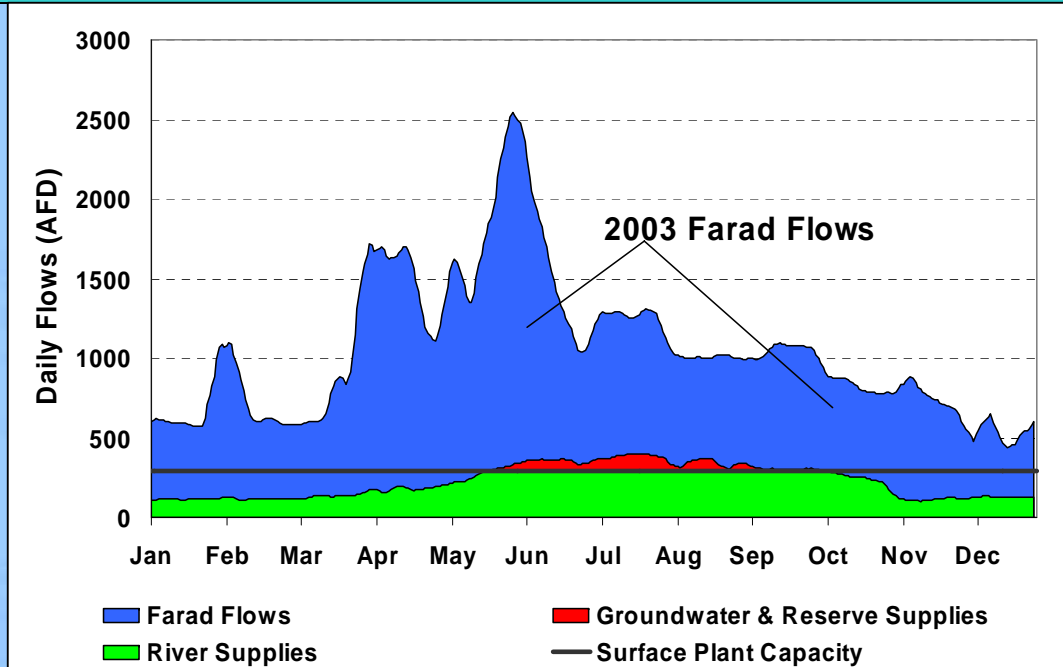


** ~265K AF Avg 1988-1995

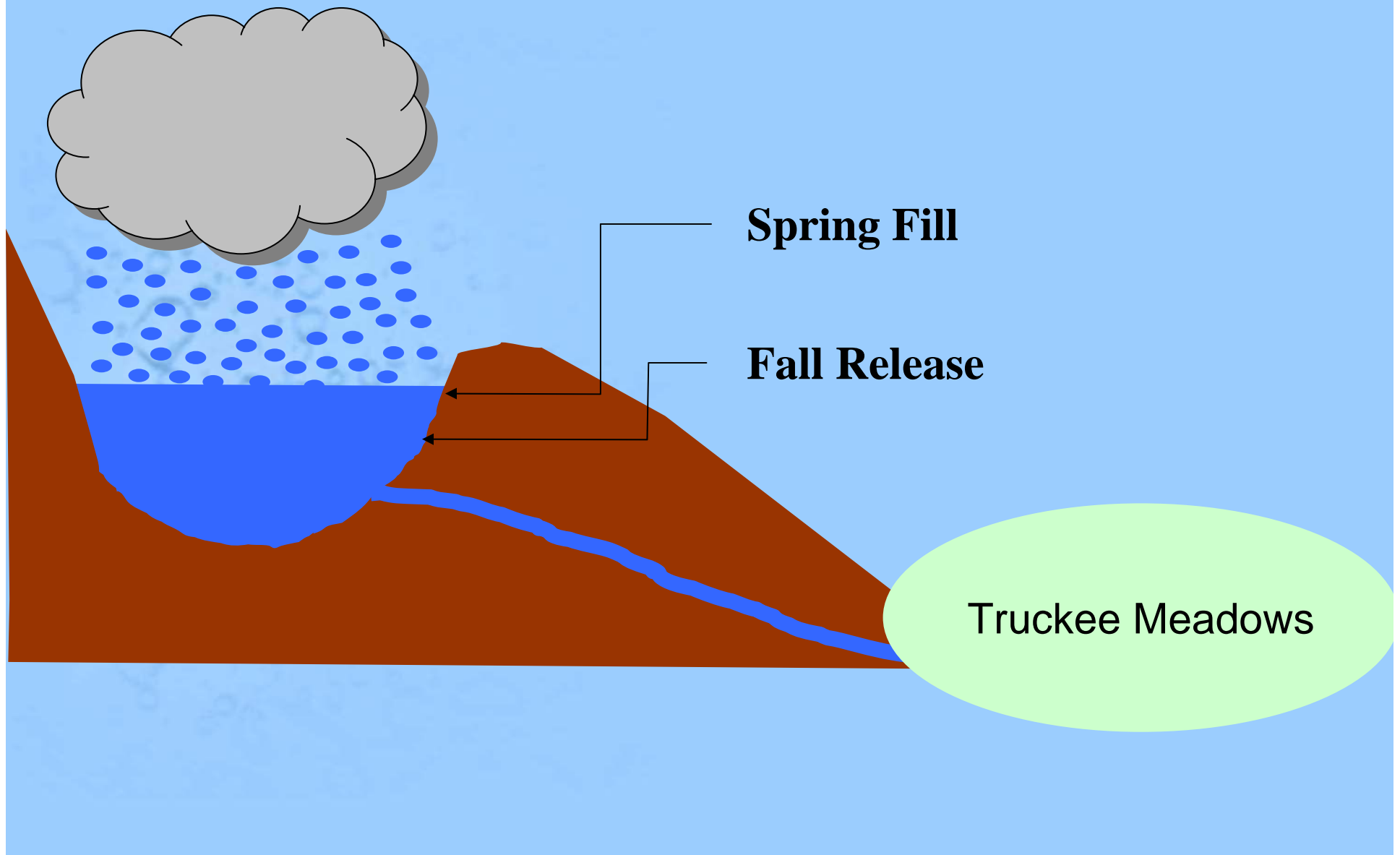
Truckee River Flows



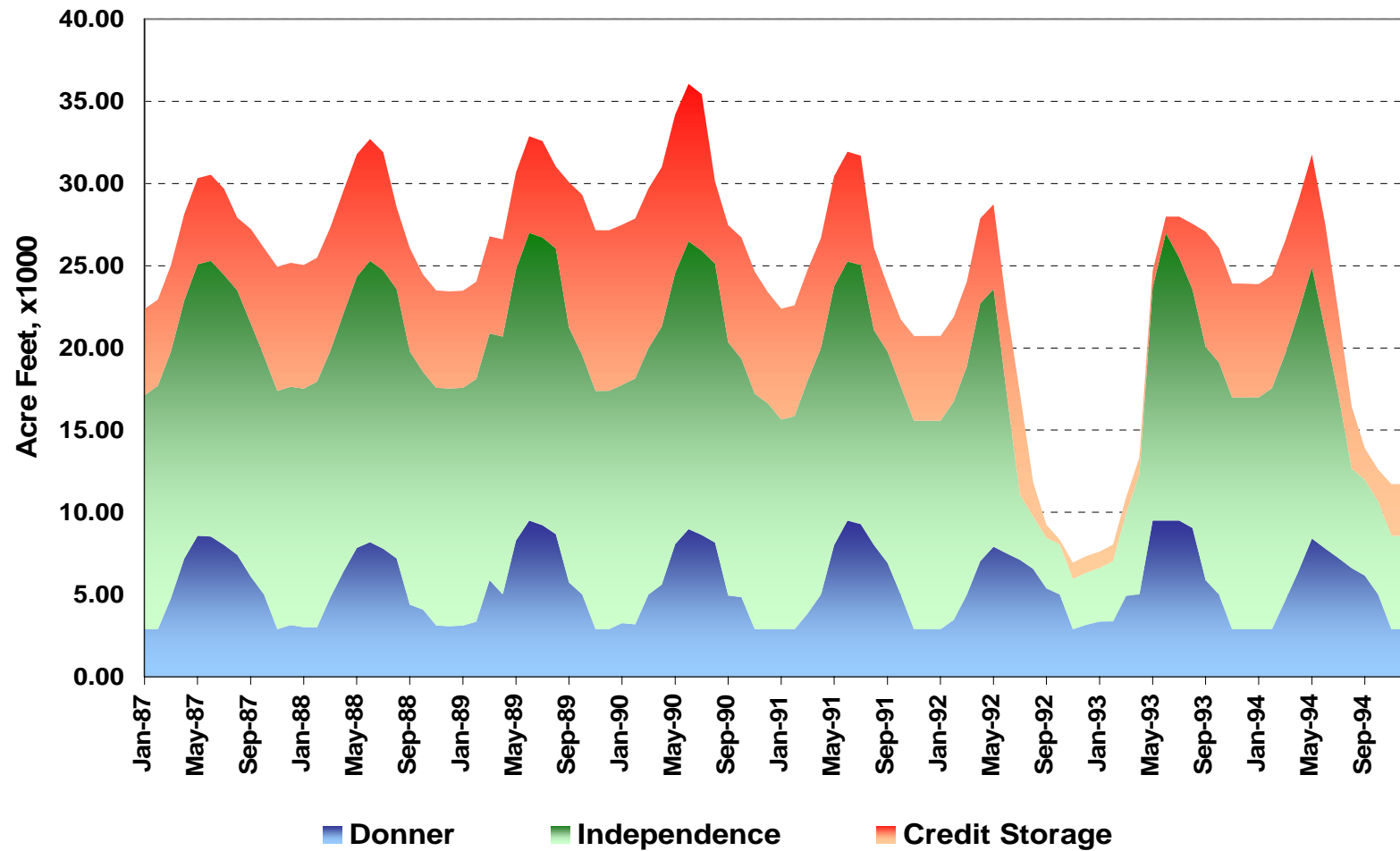
1992 & 2003 Water Supplies



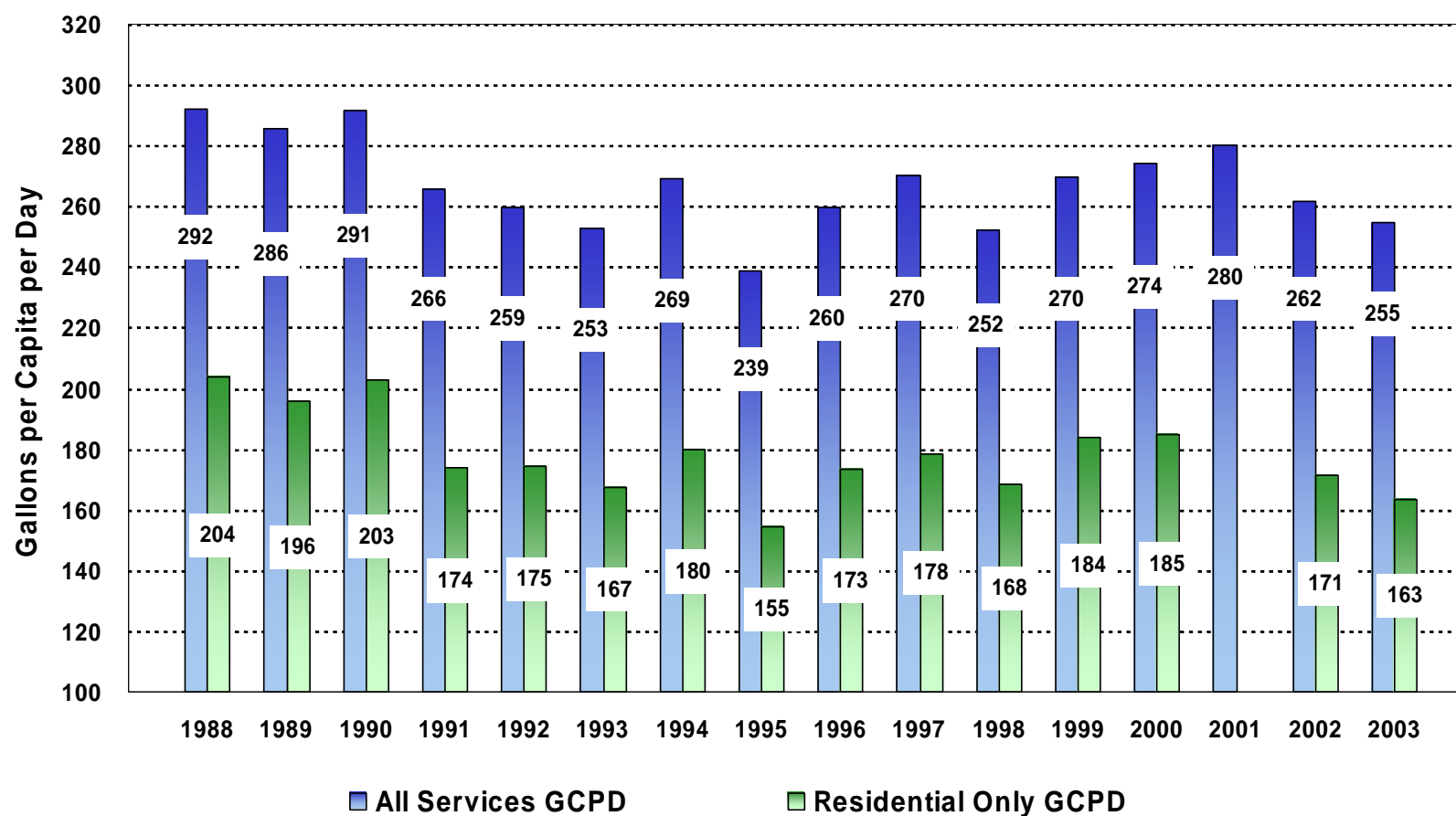
Winter Refill Cycle



Drought Planning



Gallons per Capita per Day

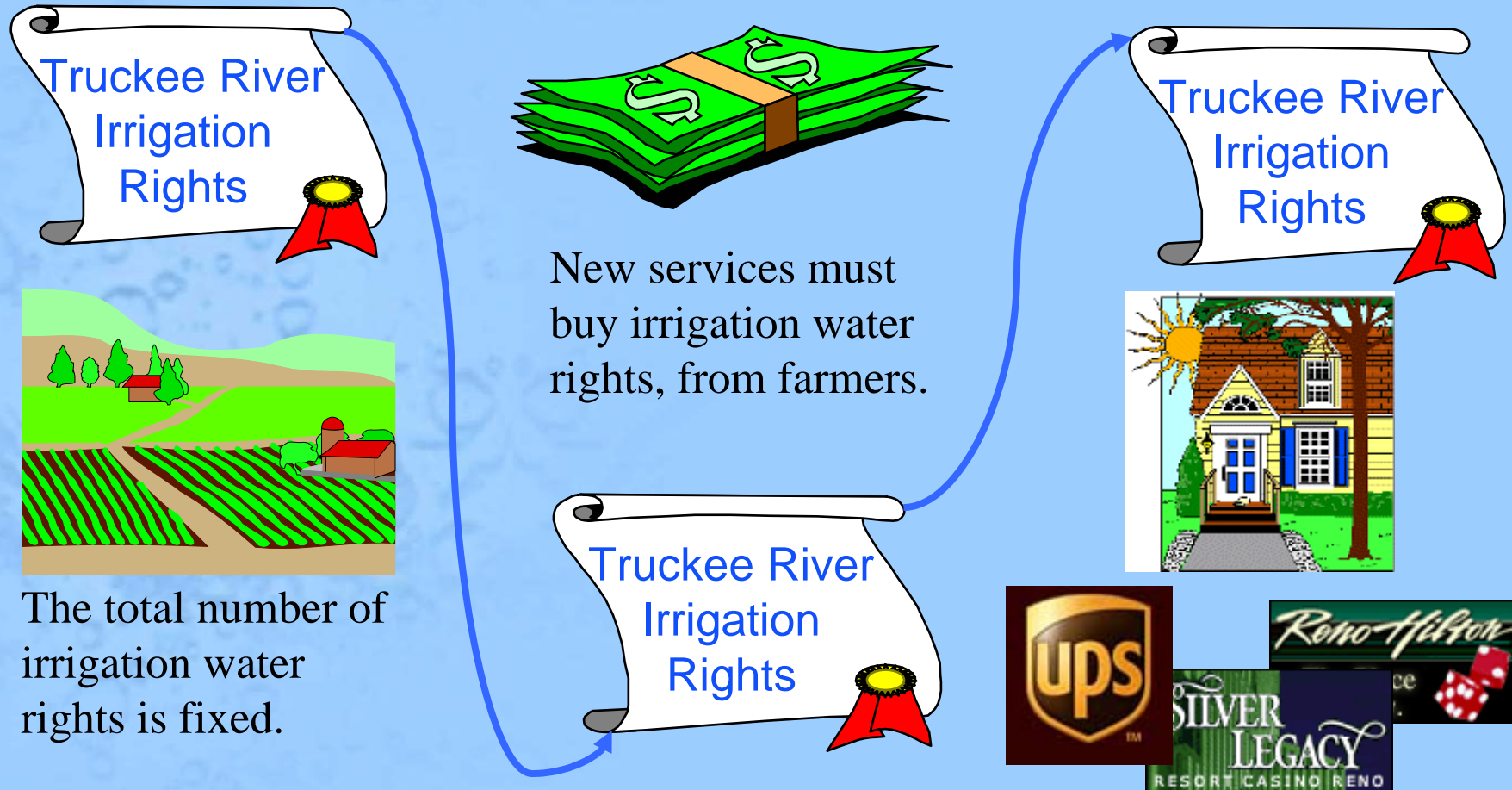




Future Resources



Same Water Different Use



Available Water Rights

Water Right Category	Total Water Rights
Active Agriculture	13,871
Inactive Residential	8,694
Inactive Public ways	3,333
Inactive Other	
Est. Public ways	4,117
Other Parcels	22,040
Total	52,055

Negotiated River Settlement

- * Increase drought storage for Truckee Meadows up to 55,000 AF
- * Ratify California and Nevada allocation of water
- * Enhance in-stream flows, water quality and reservoir storage levels to serve recreational uses
- * Water meters in Reno/Sparks area
- * Expected supply to meet growth needs beyond 2030

Other Resource Supply Options

- * Groundwater Recharge
- * Storage Reservoirs
- * Water importation project

Conservation Activities

ODD ADDRESS WATERING DAYS						
SUN	MON	TUE	WED	THR	FRI	SAT
☹	☹			☹		
EVEN ADDRESS WATERING DAYS						
SUN	MON	TUE	WED	THR	FRI	SAT
	☹		☹			☹
<small>(Last number of your address determines odd or even status.)</small>						
BUSINESS WATERING DAYS						
SUN	MON	TUE	WED	THR	FRI	SAT
	☹	☹			☹	

Twice a Week Watering Plan

Landscape Retrofit Planning



Water Meter Retrofit Program



Water Meter Retrofit Program



- *Funded by growth
- *44,650 pre-1988 services require a meter
- *Since program inception in 1995, approximately
 - 30,650 setter facilities installed
 - 21,830 meters installed
 - 15,500 flat-rate switched to meter billing

Facility Charges

- * Growth pays for growth
- * Eliminate cross-subsidization
- * New average residential lot pays \$1,842 for expanded supply, storage and treatment

Water Quality



Some of the Purest Water in the Country

- * Source is high mountain run-off
- * State-of-the-art purification process
- * Processed water meets or exceeds all quality standards
- * Over 5,000 samples analyzed annually

Arsenic Compliance Planning

- * Current regulation is 50-ppb
- * New regulation is 10-ppb
- * Compliance due January 2006
- * Plan for 31 wells:
 - Treat 3 wells at Glendale currently
 - Treat 3 additional wells
 - Running annual average for 7 wells
 - No action needed for balance

Q&A



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