



OVERVIEW OF WATER SYSTEMS IN THE TRUCKEE MEADOWS

30 November 2005

TMWA Board of Directors

A Joint Powers Authority formed by Reno, Sparks and Washoe County



Chairman Mike Carrigan
Sparks City Council



Dave Aiazzi
Reno City Council



Bob Cashell
Mayor of Reno



**Vice Chairman
Carlo Panicari**
Reno Appointee



Pete Sferrazza
Washoe County
Commission Chairman



Geno Martini
Mayor of Sparks

Seventh Member – TBA

Last Update: 23 November 2005
SCR26 introduction-final.ppt

TMWA

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

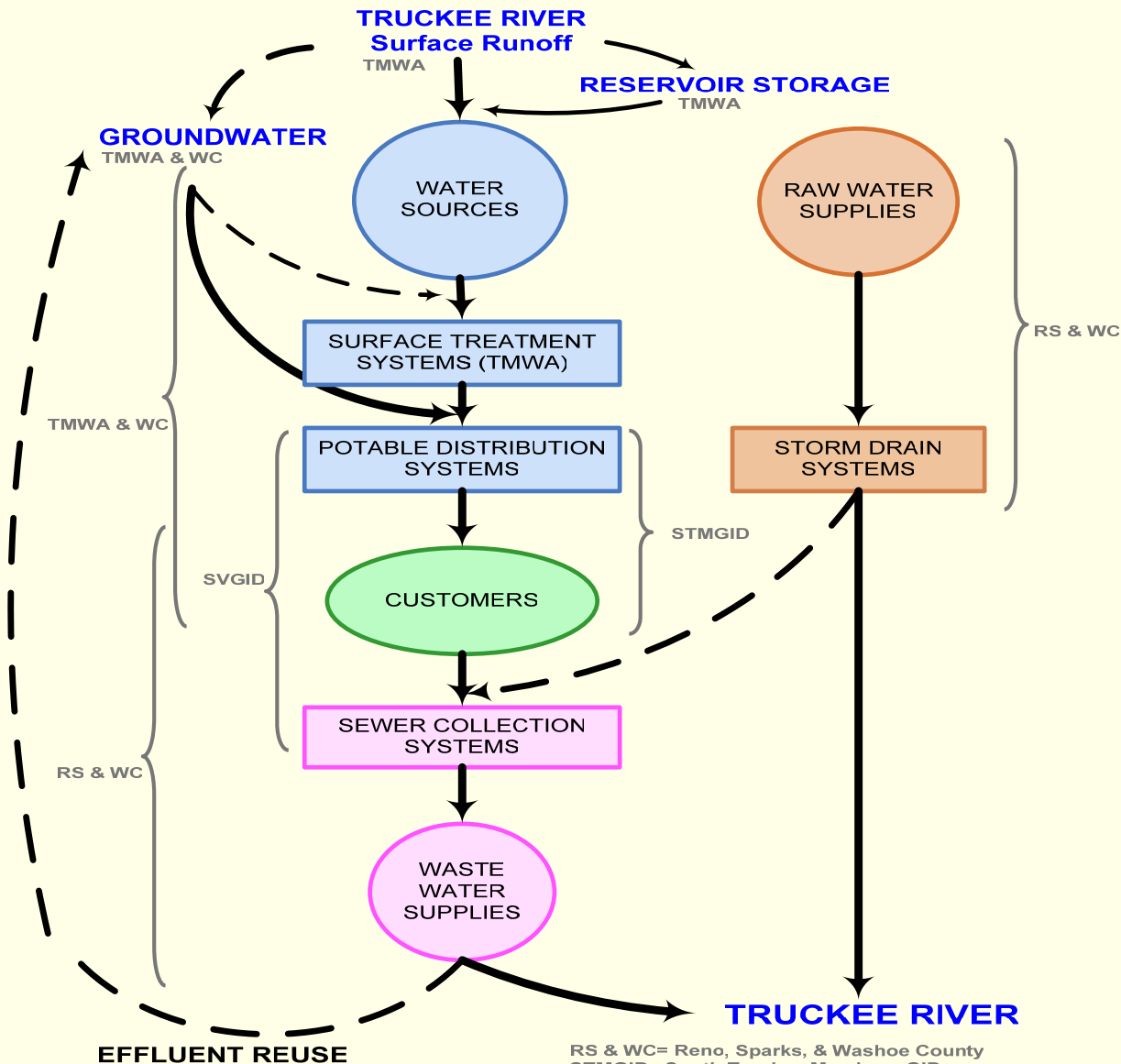
Purpose: Retain local control over Water Resources

Financing: Issued \$452.4MM in Revenue Bonds

Governance:

- * A Joint Powers Authority (NRS 277)
- * Board of Directors: Seven total members
- * Appointed by: Reno City Council (3 seats)
- * Sparks City Council (2 seats)
- * Washoe County (1 seat)
- * At- Large Elected Official – TBA

Water Resource Systems in the Truckee Meadows



RS & WC= Reno, Sparks, & Washoe County
STMGID= South Truckee Meadows GID
SVGID = Sun Valley GID

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Tabular Comparison of Water Resource Systems in Truckee Meadows Region to Las Vegas Region

	River Storage	Water Supply		Distribution	Wholesale Supplier	Wastewater			Flood Control	Storm Drainage
		Ground Water	Surface Treatment			Collection	Treatment	Reclaim		
<i>Truckee Meadows Region:</i>										
City of Reno						X	X	X	X	X
City of Sparks						X	X	X	X	X
South Truckee Meadows GID		X		X						
Sun Valley GID				X		X				
Truckee Meadows Water Authority	X	X	X	X	X					
Washoe County Water Resources		X		X		X	X	X	X	X
<i>Las Vegas Valley Region:</i>										
Big Bend Water District			X	X						
City of Boulder City				X		X	X	X		X
City of Henderson			X	X		X	X	X		X
City of Las Vegas						X	X	X		X
City of North Las Vegas		X		X						X
Clark County Water Reclamation District						X	X	X		
Las Vegas Valley Flood Control District									X	
Las Vegas Valley Water District		X		X						
Southern Nevada Water Authority	X		X		X					

TMWA's Water System

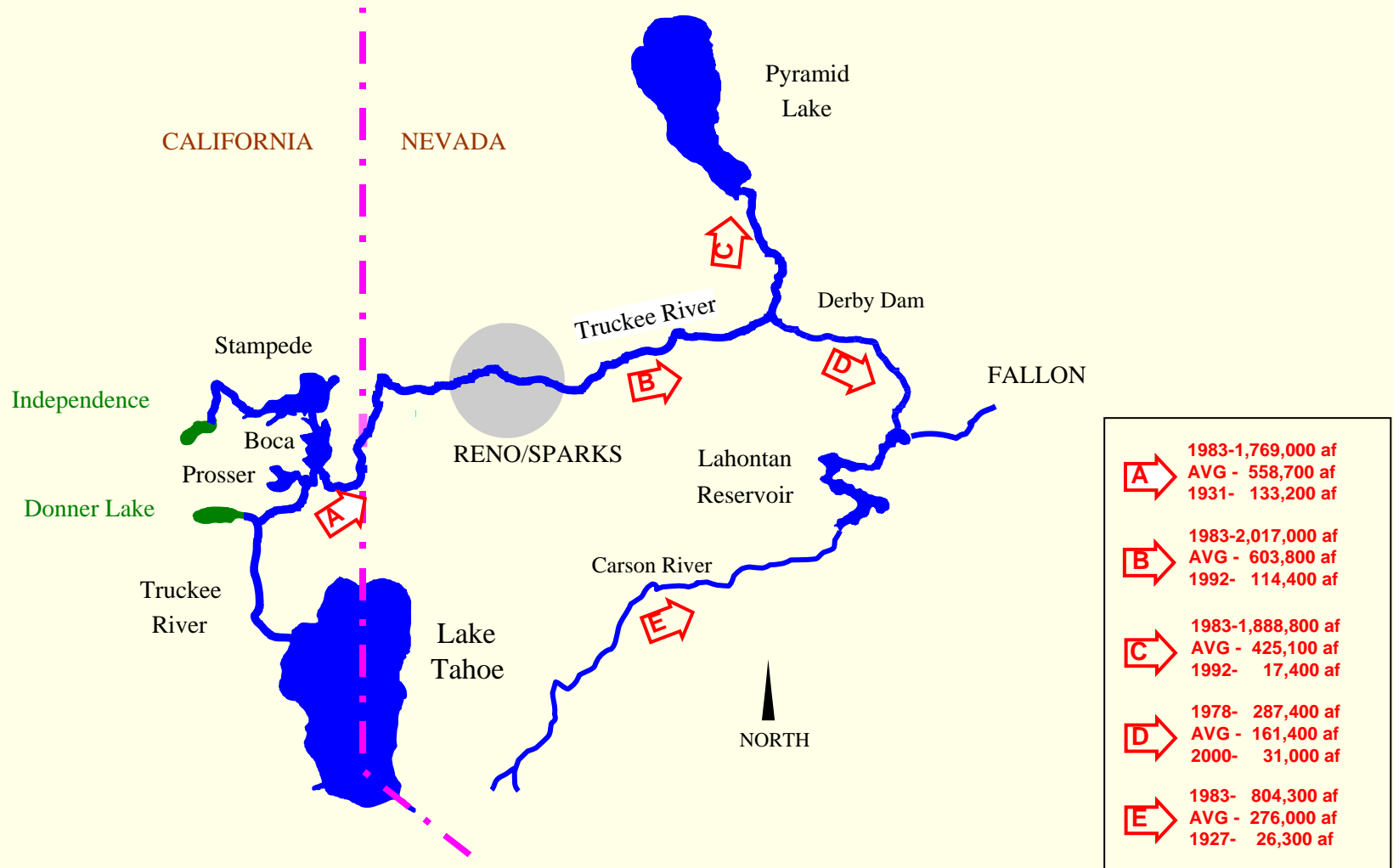
After over 100 years of service, TMWA's water system has grown to include:

- \$76MM annual revenues
- 86,000 connections
- 110 MGD Surface Water Treatment Plants
- 56 MGD from 30 wells
- 22,250 Acre Feet of upstream storage
- 100 MG of treated water tank storage
- 1,600 miles of water mains and service lines
- 4 hydroelectric plant
- 164 Full time equivalent employees

MG = Million Gallons

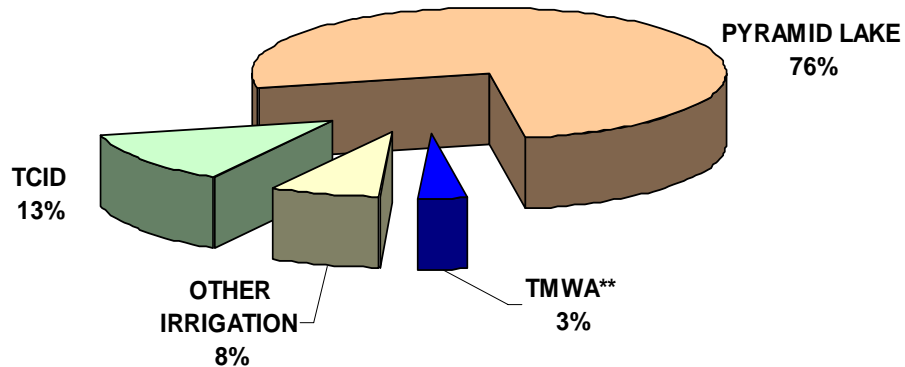
MGD = Million Gallons per Day

The Truckee River System



Diversions of Truckee River Water

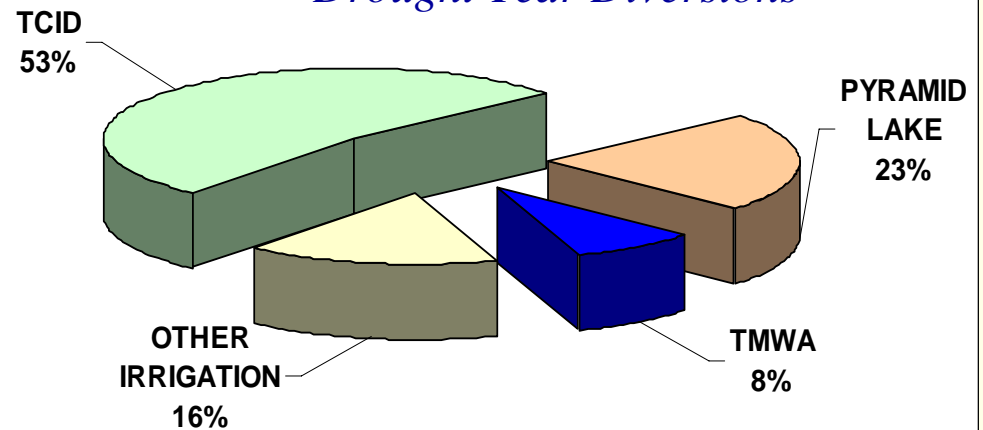
*Non-Drought Year Diversions**



* ~ 721000 AF Avg. 1985-1987, 1993, 1995-2000

** Consumptive use fraction

*Drought Year Diversions**



* ~ 288 KAF Avg. 1988-1992, 1994, 2001-2004

TMWA's Resources Today

- ❖ Truckee River
 - “40” cfs (28,959 AF)
 - Conversion of Irrigation Rights (51,600 AF)
- ❖ Hunter Creek (9,847 AF)
- ❖ Groundwater -15,950 AF or less in non-drought years
- ❖ Drought Reserves:
 - Independence Lake (17,500 AF)
 - Donner Lake (4,750 AF)
 - Interim Storage Contract
 - 25 year contract for 14,000 AF of storage
 - Groundwater - additional 6,150 AF in drought years

cfs – cubic feet per second

AF – acre feet

Water Rights

- ❖ Truckee River Rights allocated and fixed in Federal Court in the 1944 Orr Ditch Decree
- ❖ New service requires dedication of water rights
- ❖ TMWA acquires water rights in an open market and issues will-serve commitments against them
- ❖ Future supply assumes conversion of Truckee River Irrigation rights to municipal use
- ❖ At Market pricing, “Willing Seller/Willing Buyer”
- ❖ Over 30,000 discrete owners of potentially available water rights for municipal use
- ❖ Competition for water rights

Available Truckee River Water Rights

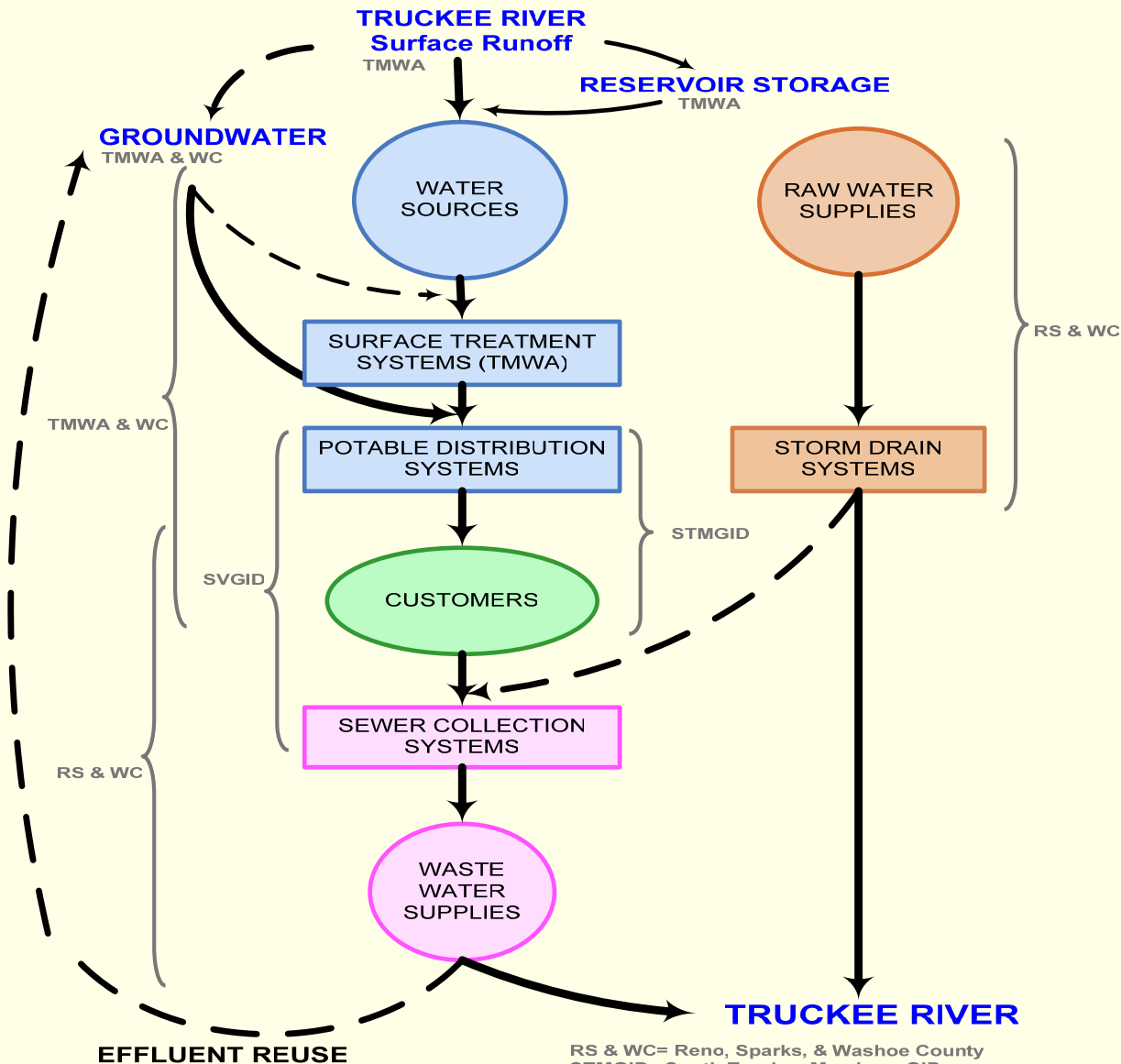
<i>Water Right Category</i>	<i>Total Water Rights</i>
Active Agriculture	13,900
Inactive Residential	8,700
Inactive Public ways	7,400
Other Parcels	22,000
RWPC 2001 Report	52,000
Dedicated 2002-2004	-5,200
Banked	-5,500
Rights Available*	41,300

* Farad-to-Vista direct diversion; excludes ~22,000 creek rights

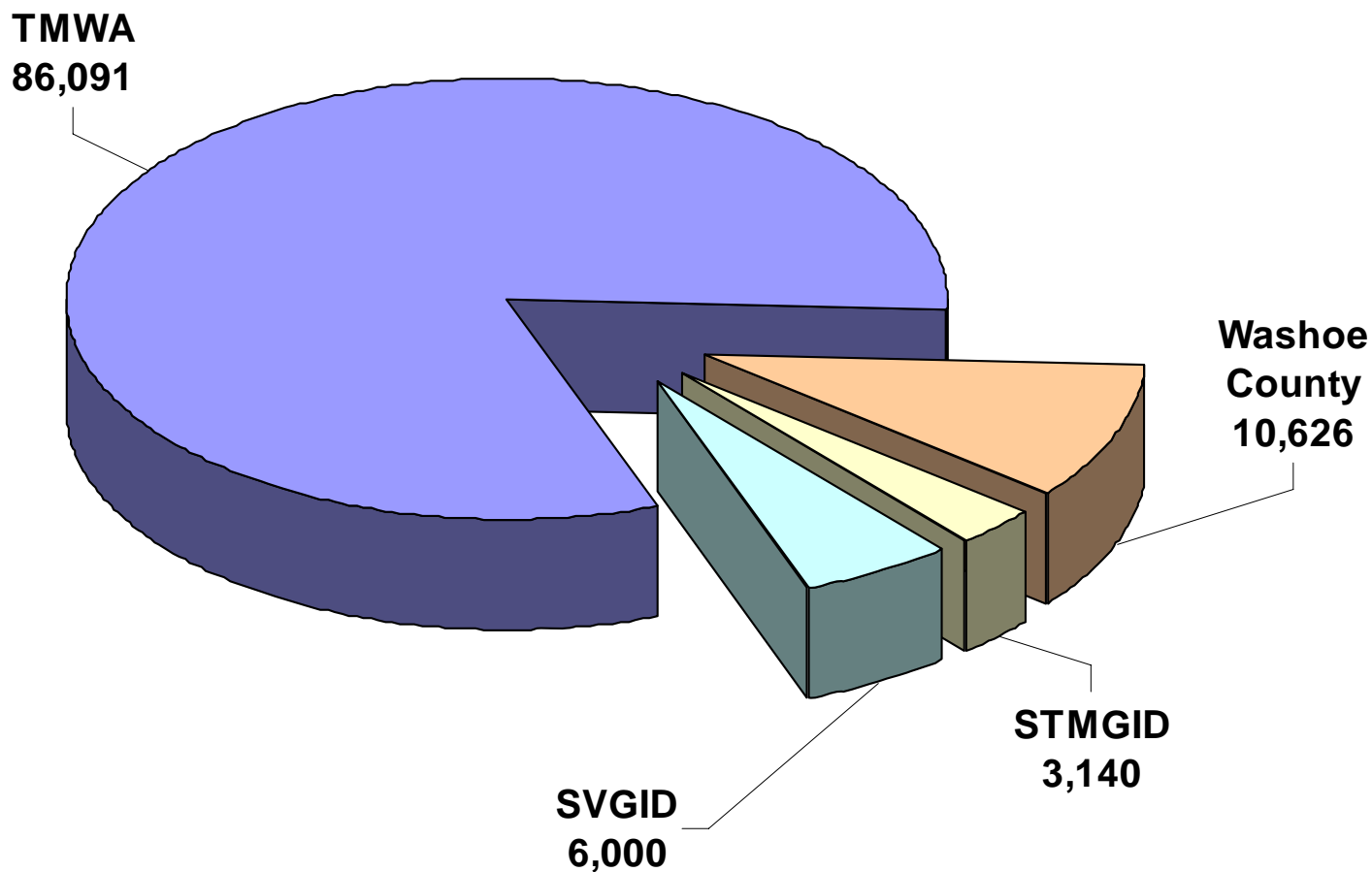
Negotiated River Settlement

- * Increase drought storage for Truckee Meadows up to 55,000 AF
- * Ratify California and Nevada allocation of water
- * Endangered species protection
 - enhance in-stream flows
 - water quality benefits
- * Reservoir storage levels for recreational uses
- * Water meters in Reno/Sparks area
- * Rules for effluent use

Water Resource Systems in the Truckee Meadows

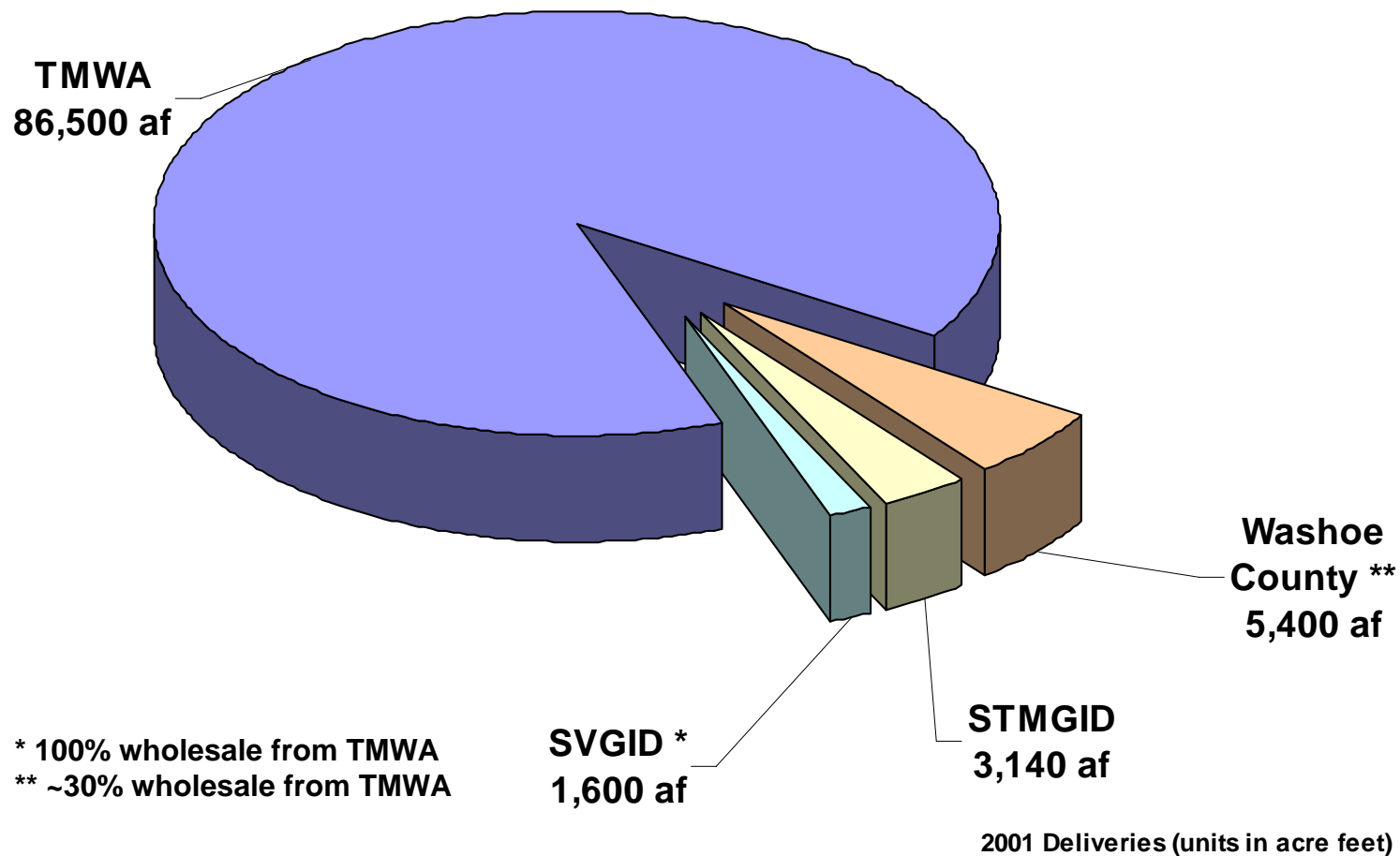


Water Service Connections



Source: 2004-2025 RWMP; Table 2-3

Water Deliveries





QUESTIONS?