



**THE RECHARGE  
DEVELOPMENT CORPORATION**  
**“Designed Solutions For Conjunctive  
Water Management”**

[www.rechargedevelopment.com](http://www.rechargedevelopment.com)

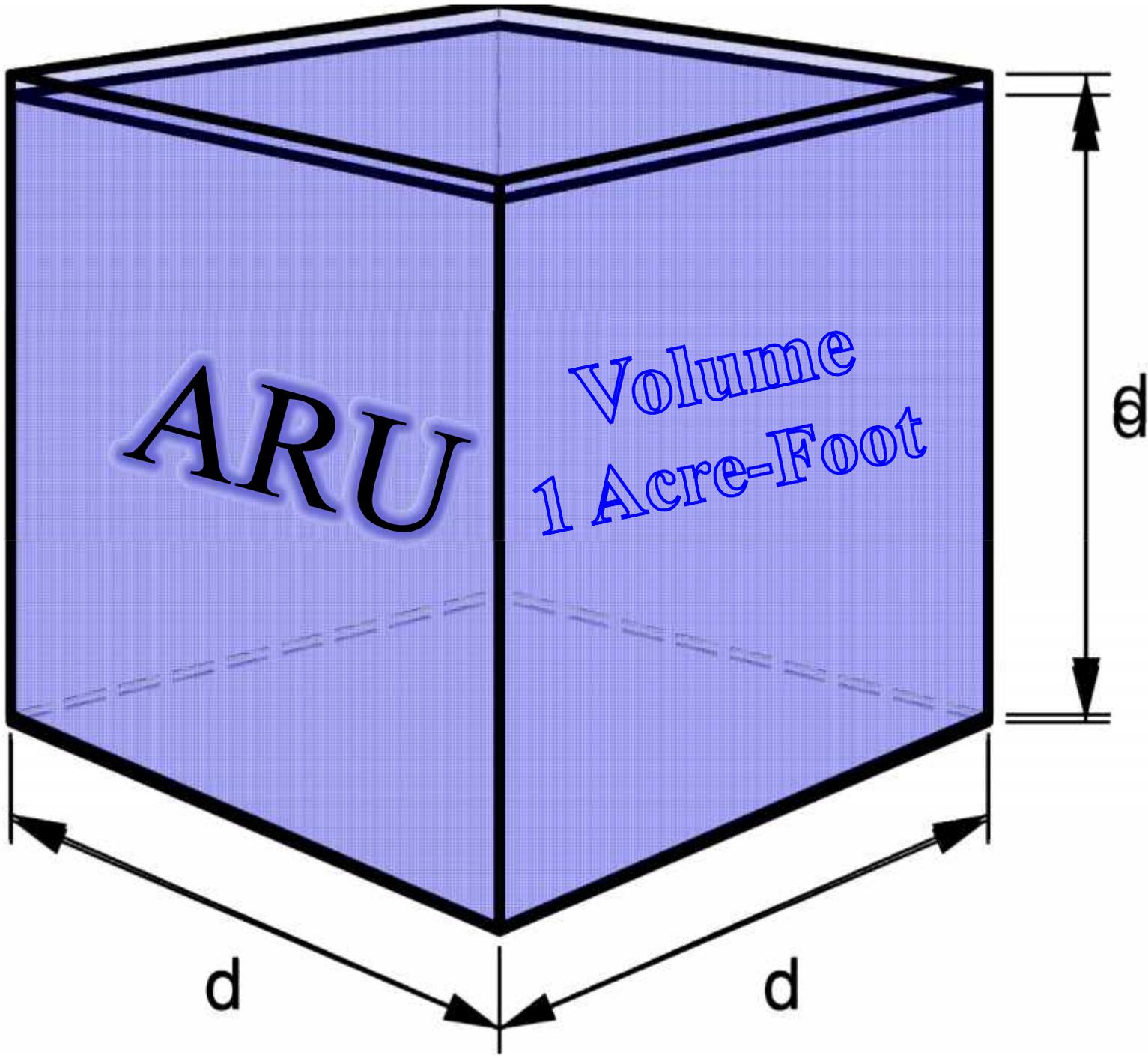
# Solutions Needed

- How do cities find water for future growth?
- What are the solutions for drought?
- Can additional flood control be provided?
- Where is the water for new businesses?
- Are there alternatives to drying up farms to get water?
- How can cities recover wasted water?
- How will the water needs of agriculture be met?

VIRTUAL THINGS



REAL VALUE  
REAL STORAGE



An aerial photograph of a large reservoir, likely a dammed river, surrounded by forested hills. The water is a deep blue color. A long, light-colored dam structure is visible in the middle ground, extending across the width of the reservoir. The surrounding terrain is covered in dense green forest. The text "Owned Storage Space Defined in Acre-Feet" is overlaid in the upper center of the image.

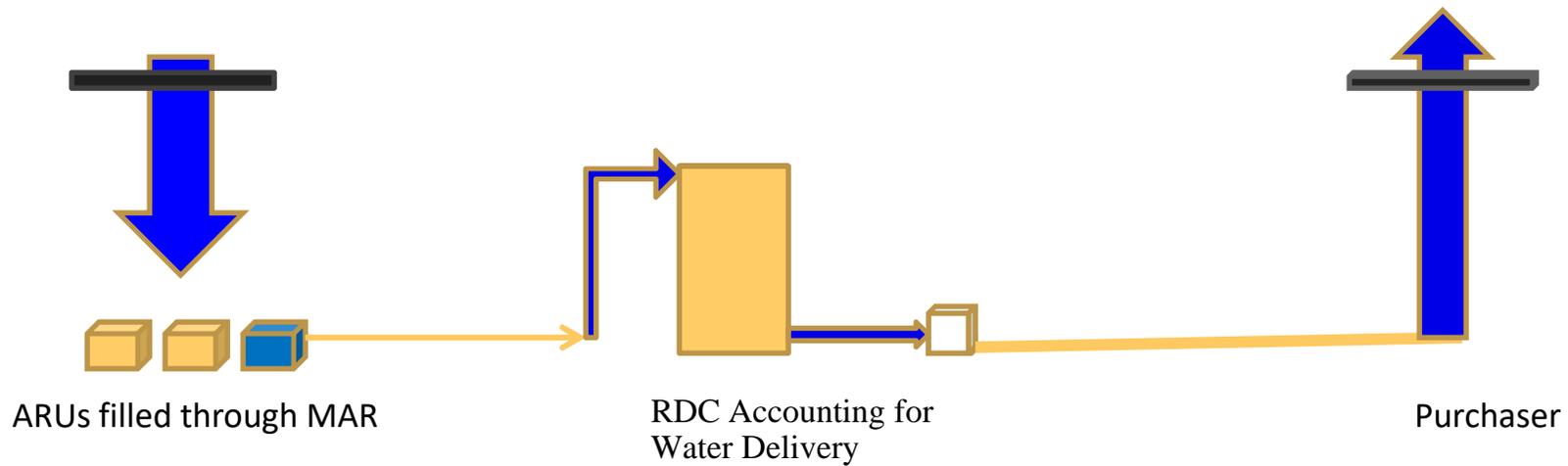
Owned Storage Space  
Defined in Acre-Feet

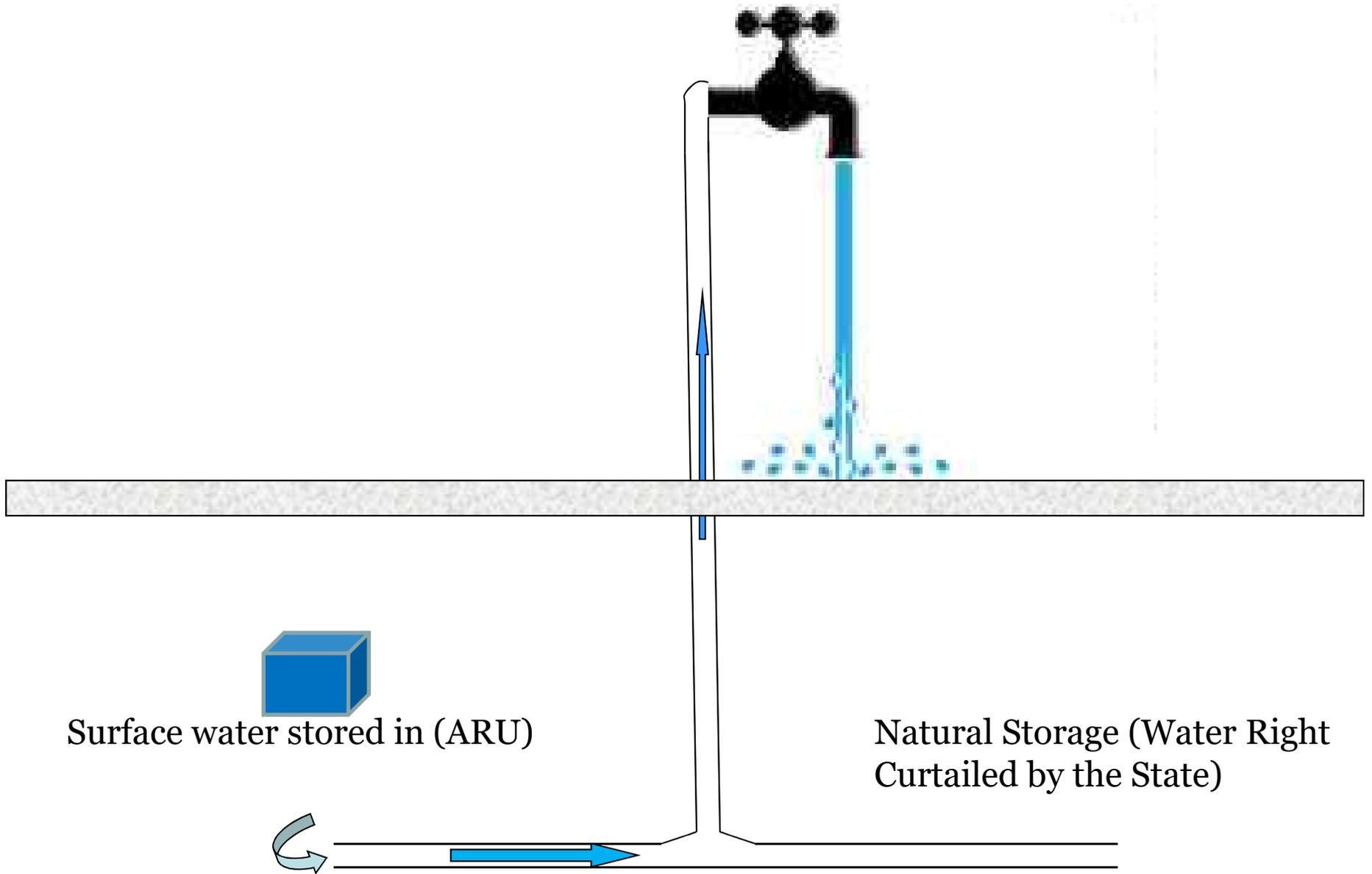
# **How is Ownership in a Surface Reservoir Established?**

- **The volume of storage space to be developed is determined.**
- **The cost of each AF of “space” of is billed to space holders to finance the project.**
- **Construction of a dam and reservoir is accomplished.**
- **Delivery and accounting processes are developed and implemented.**



## RDC™ Patented Process for Owning Recharged Water

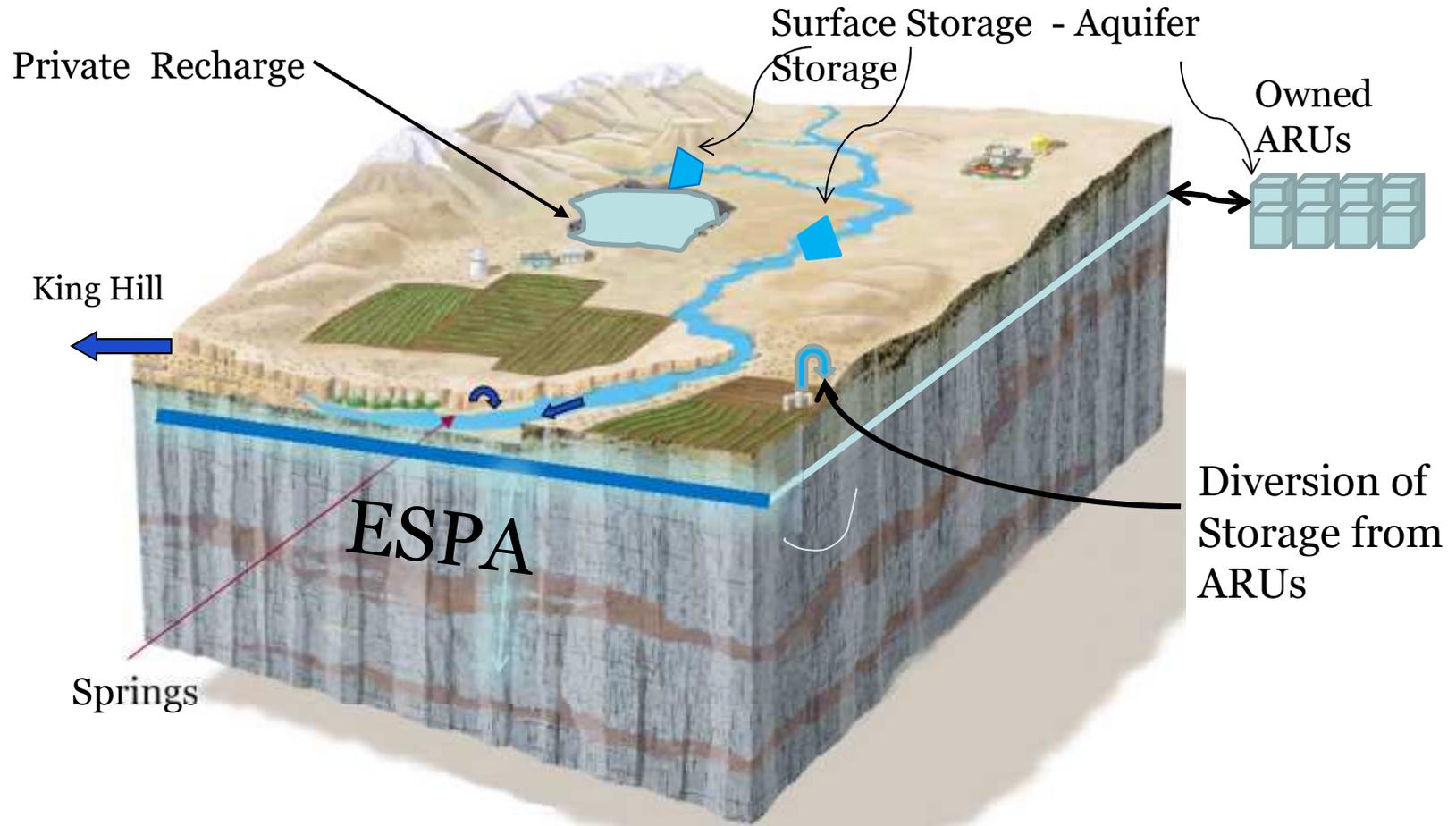


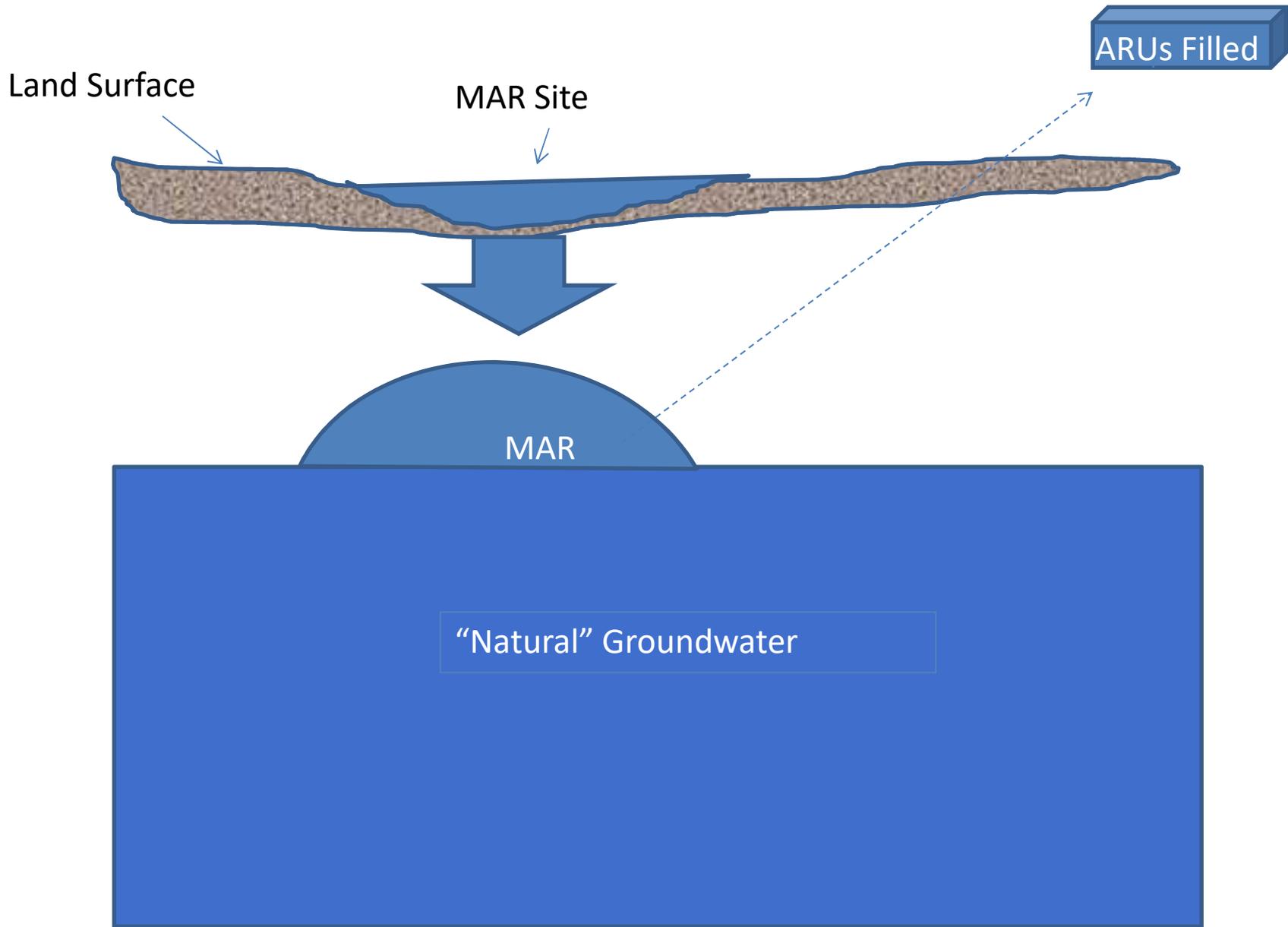


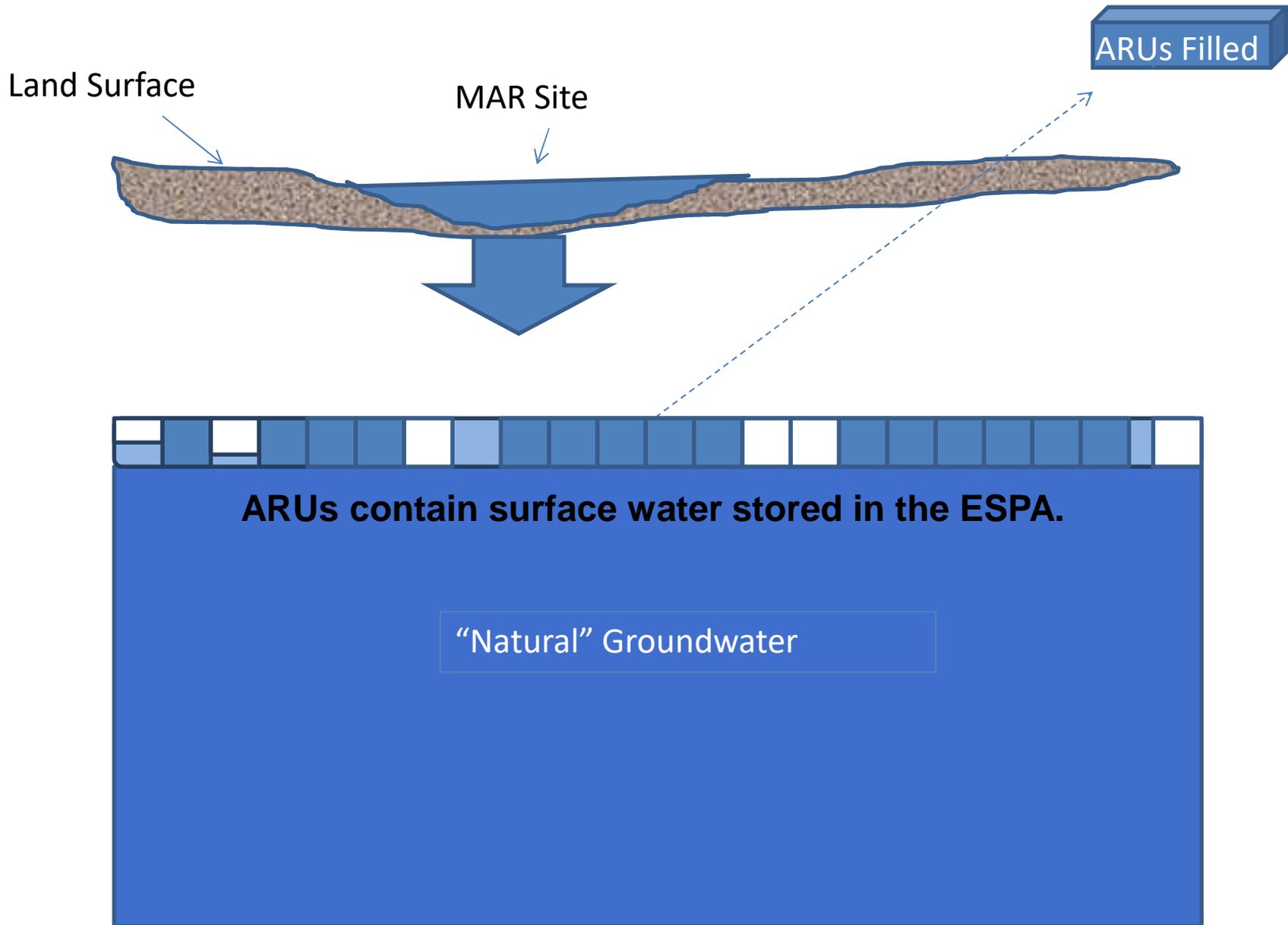
Surface water stored in (ARU)

Natural Storage (Water Right Curtailed by the State)

# RDC™ Aquifer Storage Concepts







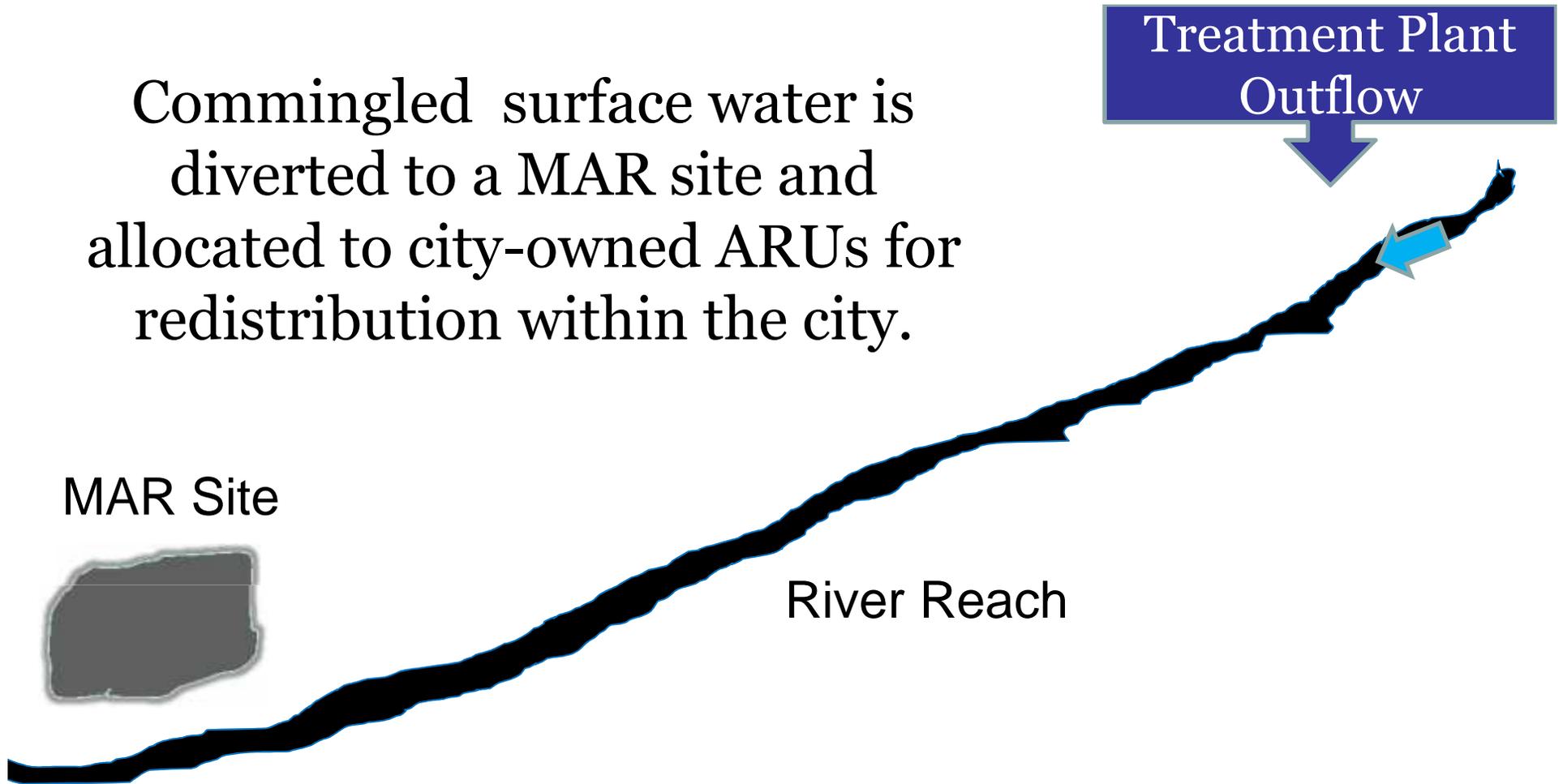
# The ARU -- the Peer-to-Peer “Currency” of the Snake Basin

- Purchase ARUs
- Purchasing ARUs Accesses Accounting.
- ARUs are a virtual 1 acre-foot Container.
- Water Allocated to an ARU is the property of the ARU owner to use, trade, or sell.
- ARUs are infinitely refillable through MAR.
- The number of available ARUs has been pre-established by RDC to prevent dilution of purchased value.

“The best economic benefit for all can usually be accomplished when individuals act in their own **self-interest**”.

Adam Smith, the father of modern economics

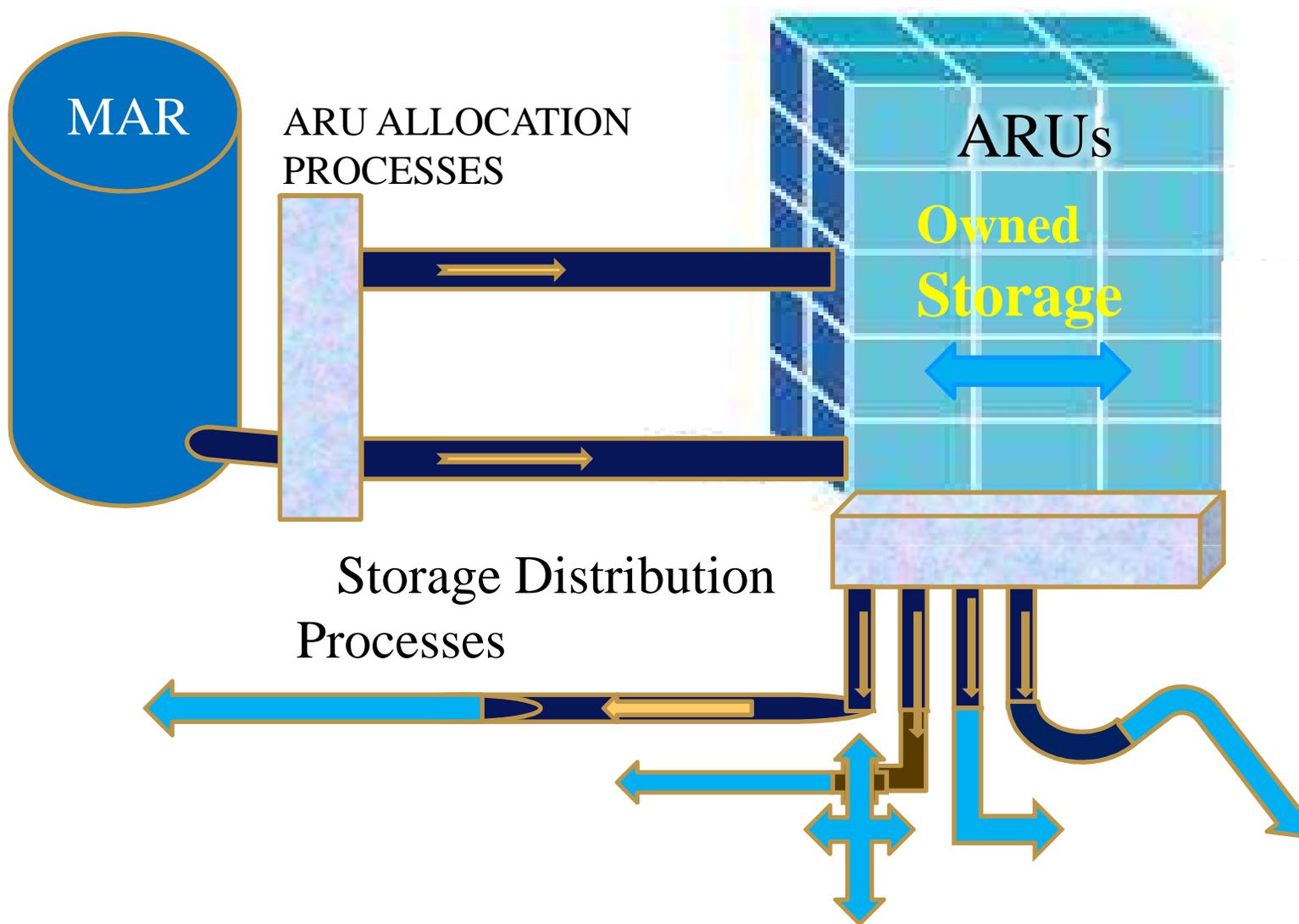
Commingled surface water is diverted to a MAR site and allocated to city-owned ARUs for redistribution within the city.





# **Comparative Cost of Surface Storage and ARU Storage**

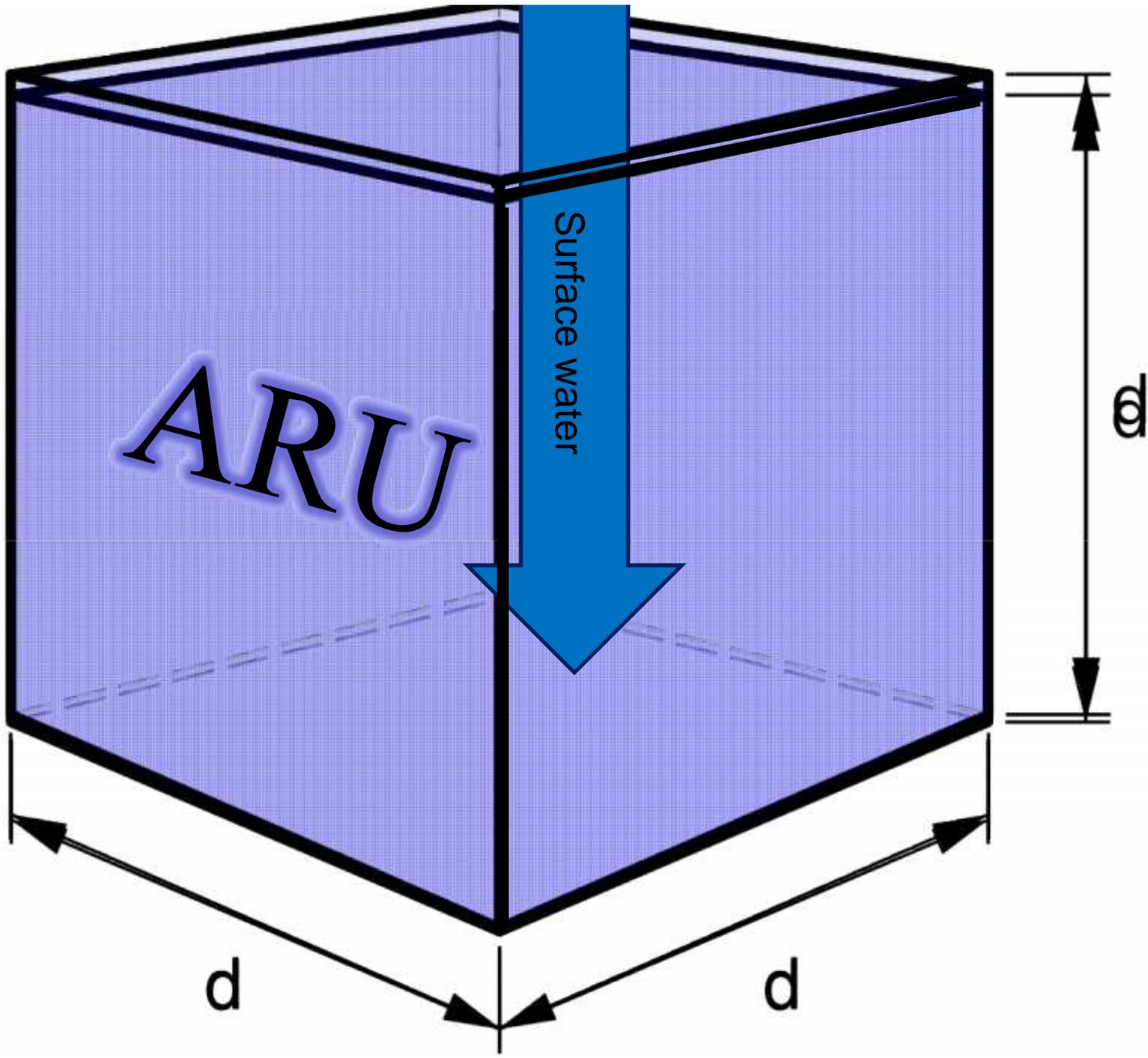
- Dam Raised to gain 20,000 acre-feet of surface storage cost \$50,000,000.**
- RDC has provided 20,000 acre-feet of ARU surface water storage for less than \$500,000.**
- Annual O & M costs for ARU storage are estimated to be less than 1/3 the cost of O & M for traditional reservoir storage space.**

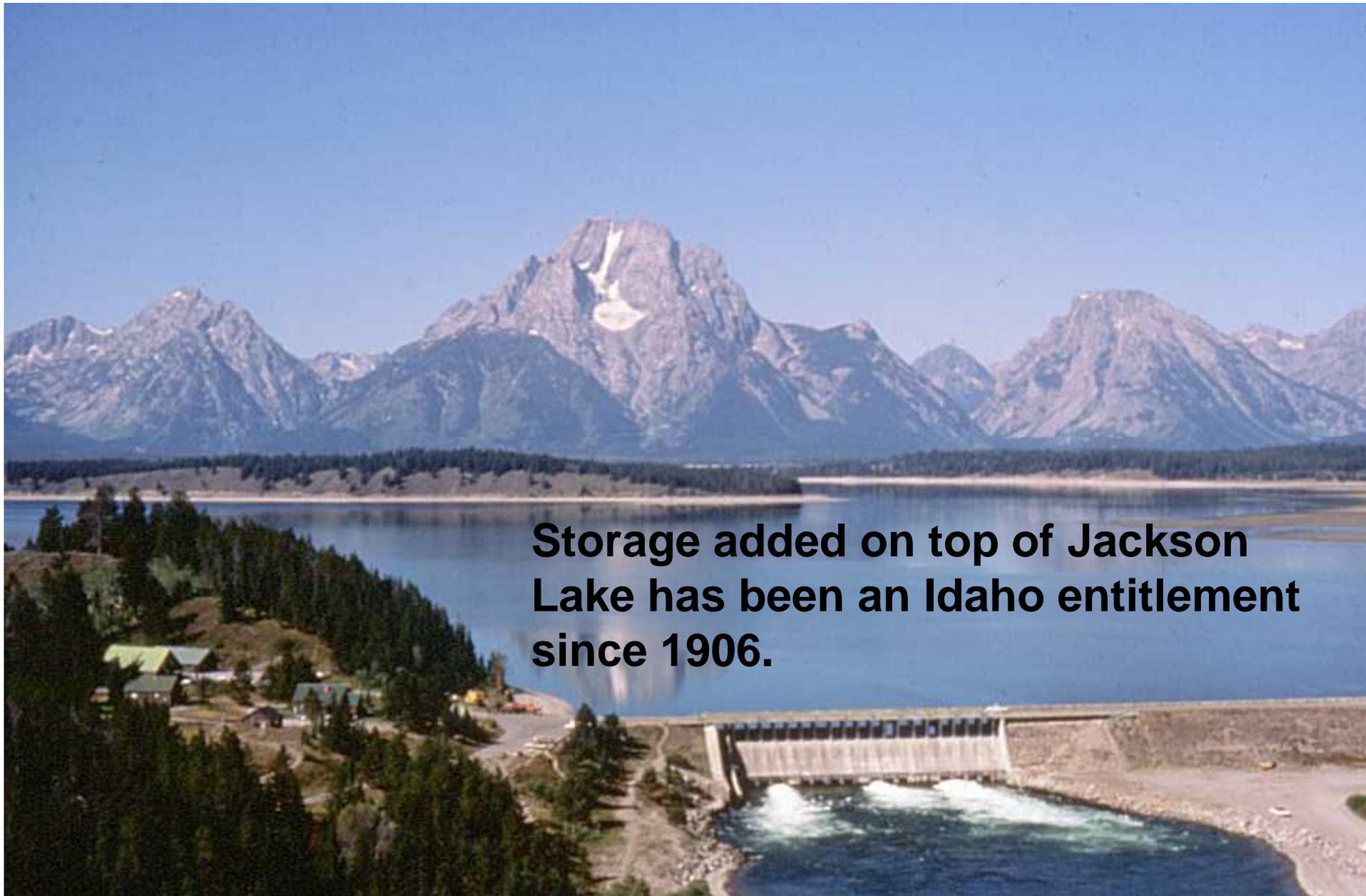


**ARU STORAGE CAN PROVIDE  
THE WATER SUPPLY FOR THE  
IRRIGATION OF PARKS, LAWNS,  
& GARDENS WITHIN THE  
MUNICIPAL SERVICE AREA.  
AQUIFER STORAGE IS THE  
BEST ALTERNATIVE TO DUAL  
MUNICIPAL WATER SYSTEMS.**

# Summary Slide

- All private recharge gets credited to the SWC agreement.
- All RDC surface water recharged goes into ARUs and stays there until used.
- In a short year supplies held ARUs are delivered via the accounting to designated pumps, or by exchange to canals as an extension of the surface reservoir systems.





**Storage added on top of Jackson Lake has been an Idaho entitlement since 1906.**