This presentation premiered at WaterSmart Innovations

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INNOVATIONS

GLOBAL WATER

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Global Water Resources

- Growth
- Total Water Management
- Education & Outreach
- Green Practices – LEED Building
- Global Green Billing
- Conclusions

Global Water Resources

- Regional Aggregator
  - 17 Private Water & Wastewater Companies
  - Headquartered in Phoenix
  - 110 Employees
- Growing at >20%/year organically
- 500 square miles in metro phoenix
  - 1,250,000 homes in planning
  - Many Public Private Partnerships completed
- Focused on Water Conservation
  - Total Water Management Strategy
  - Maximize Water Reuse

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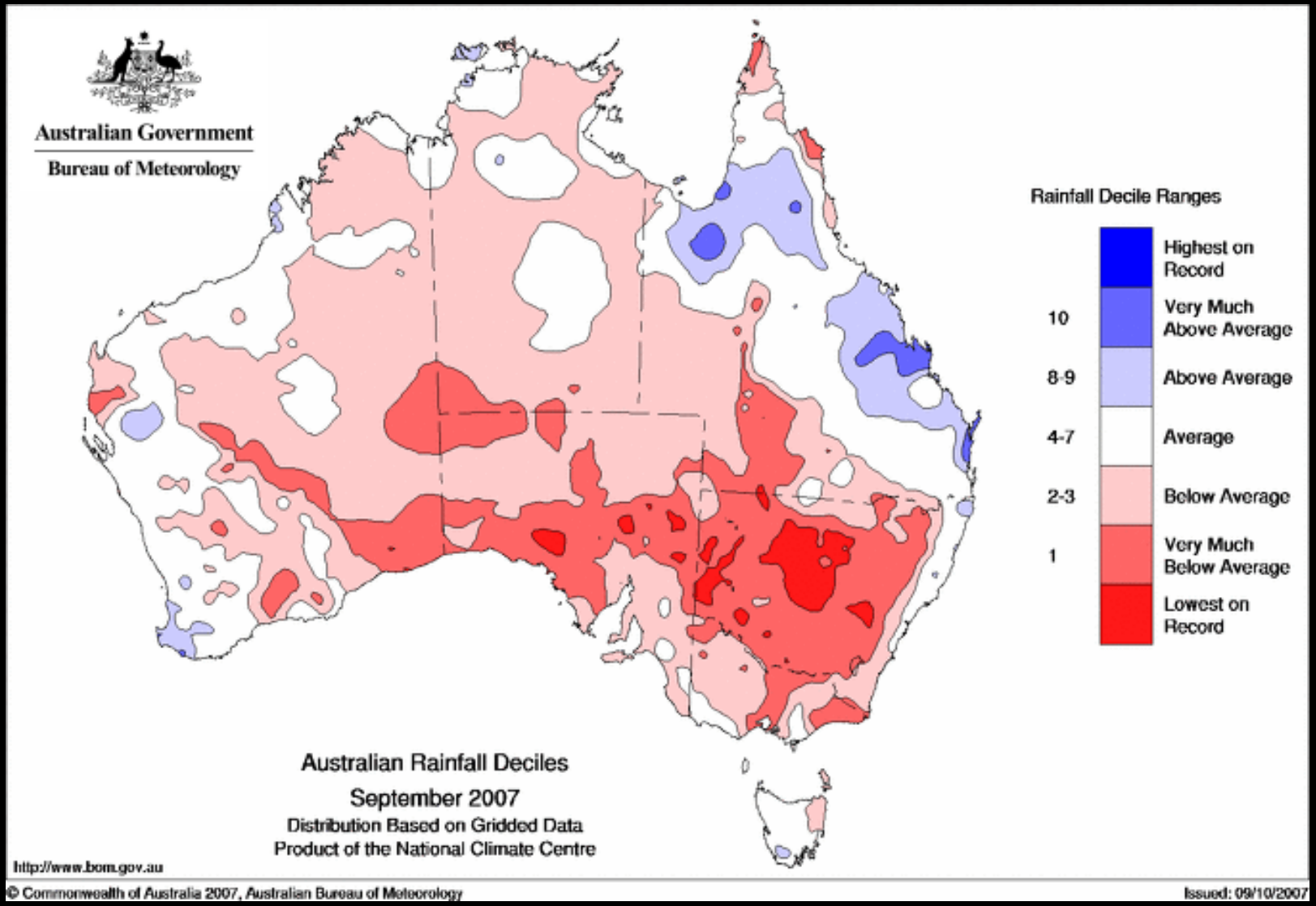
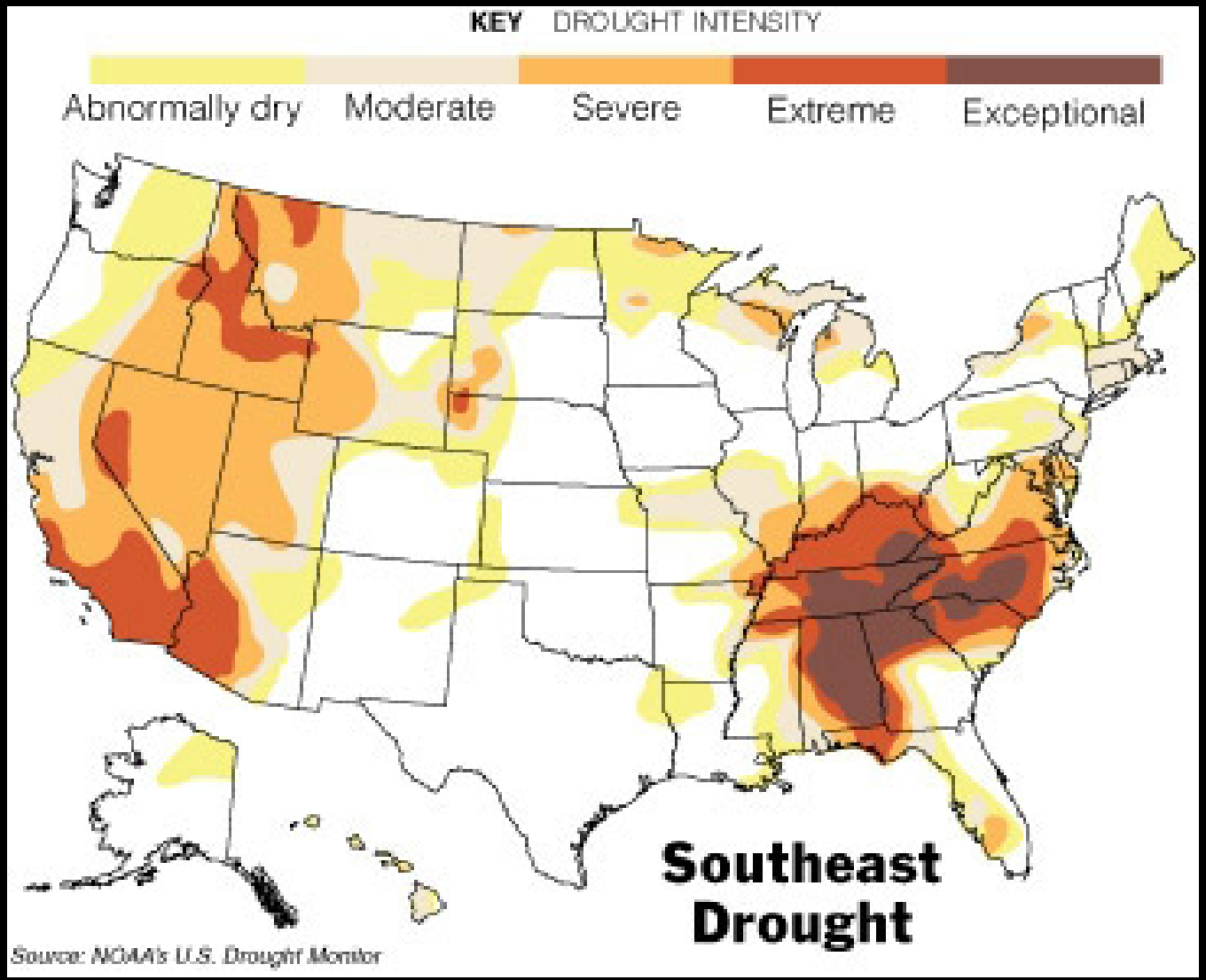
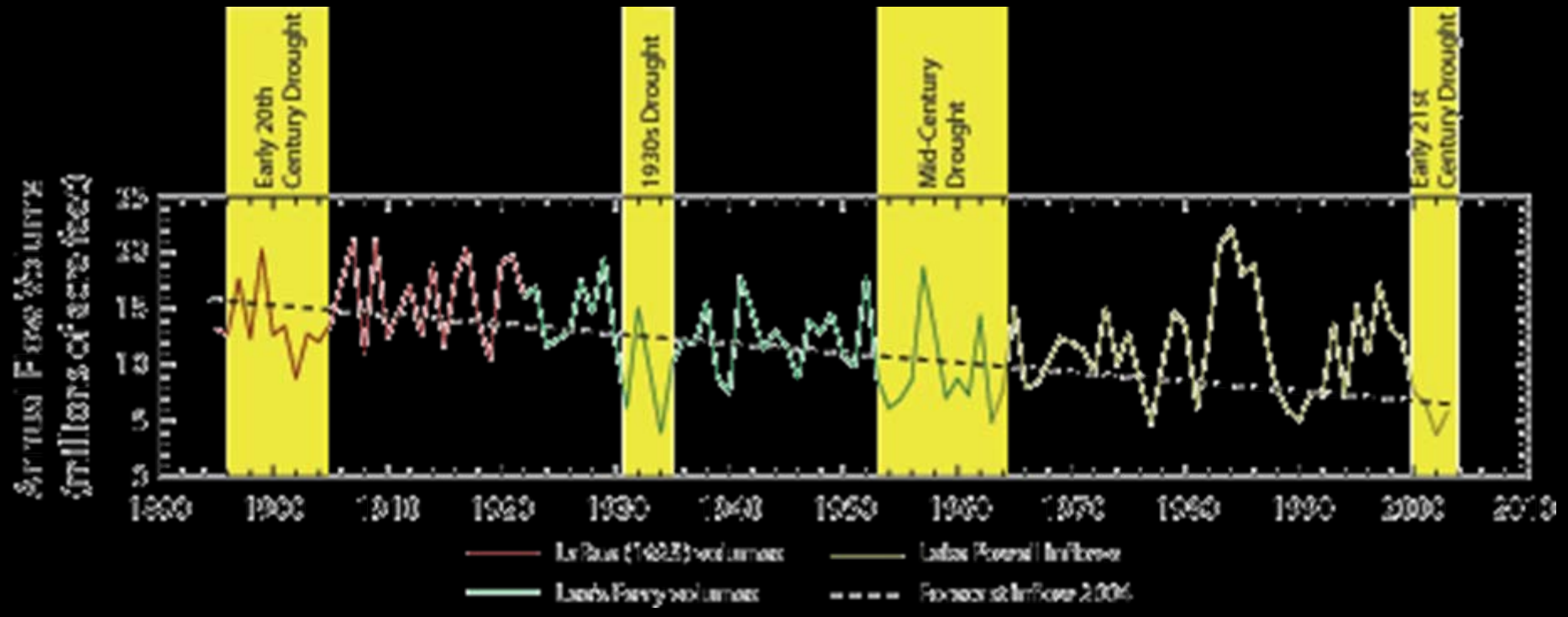
Scarcity


Australian Government
Bureau of Meteorology
Rainfall Decile Ranges
10
8-9
4-7
2-3
1
Highest on Record
Very Much Above Average
Above Average
Average
Below Average
Very Much Below Average
Lowest on Record
Australian Rainfall Deciles
September 2007
Distribution Based on Gridded Data
Product of the National Climate Centre
http://www.bom.gov.au
© Commonwealth of Australia 2007, Australian Bureau of Meteorology
Issued: 09/10/2007

Scarcity


KEY DROUGHT INTENSITY
Abnormally dry
Moderate
Severe
Extreme
Exceptional
Southeast Drought
Source: NOAA's U.S. Drought Monitor

Scarcity



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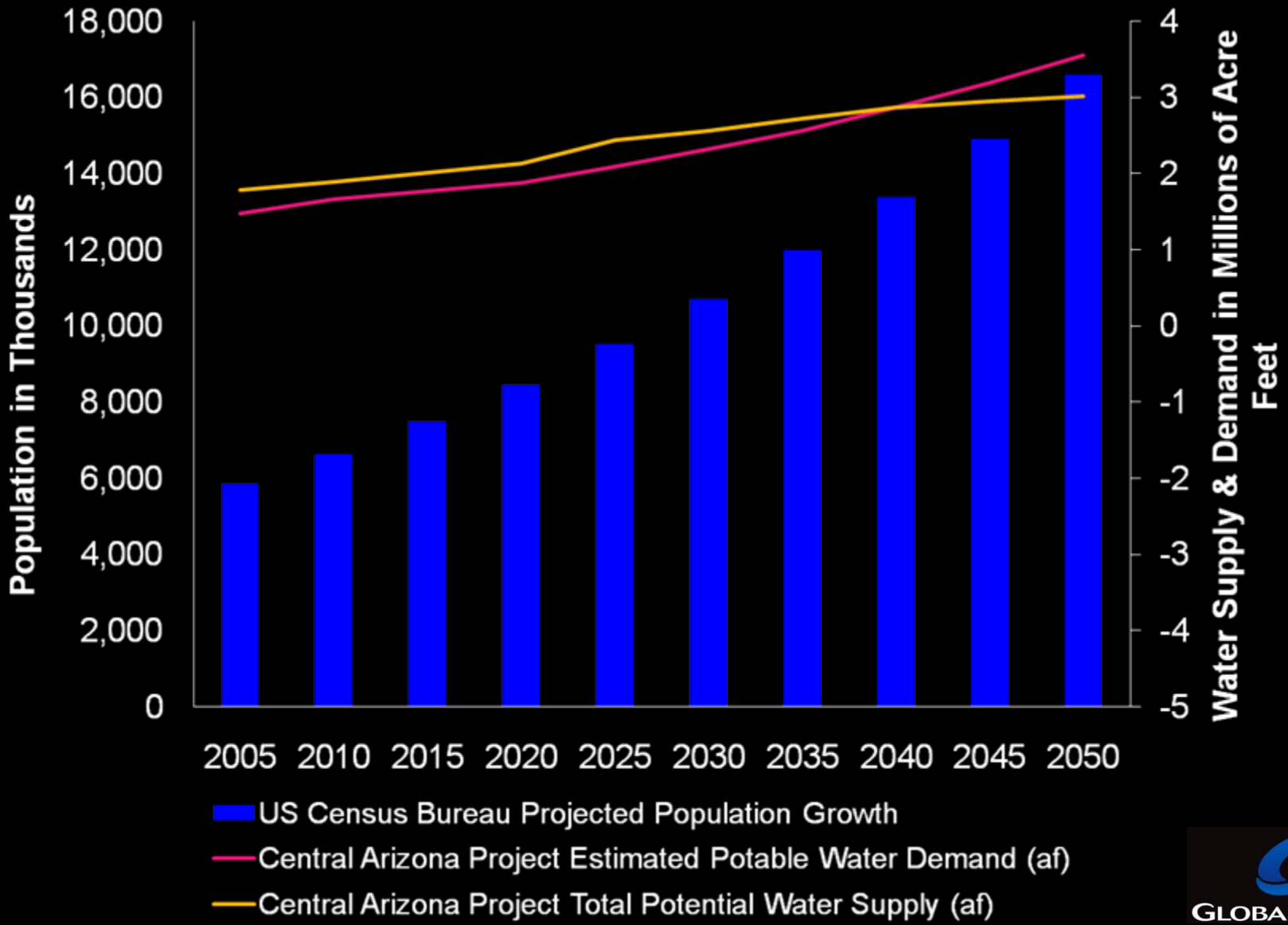
Scarcity

Population Growth vs Total Potential Supply



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Total Water Management

- Water as a Single Resource
- Recycled Water Network
  - Maximize Reclamation and Reuse
  - “The right water for the right use”
- Regional Planning
  - Achieve Economies of Scale
  - Purple pipes installed at the outset
  - Automation => Improved Efficiency
- Education and outreach are critical
  - Global water Center
  - Education & Outreach

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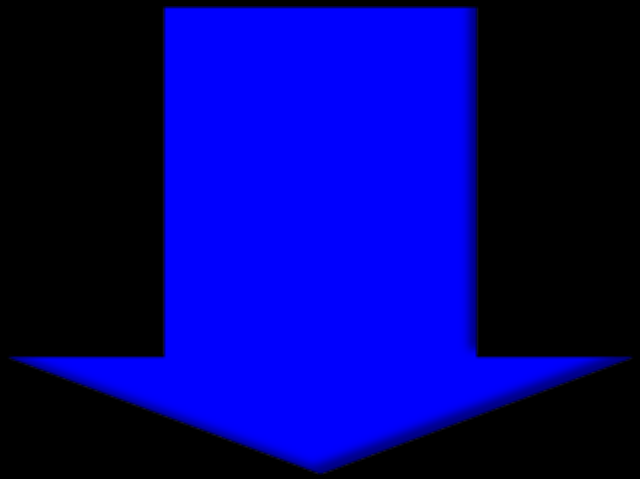
Paradigm Shift

From Supply Side Management



To Demand Side Management

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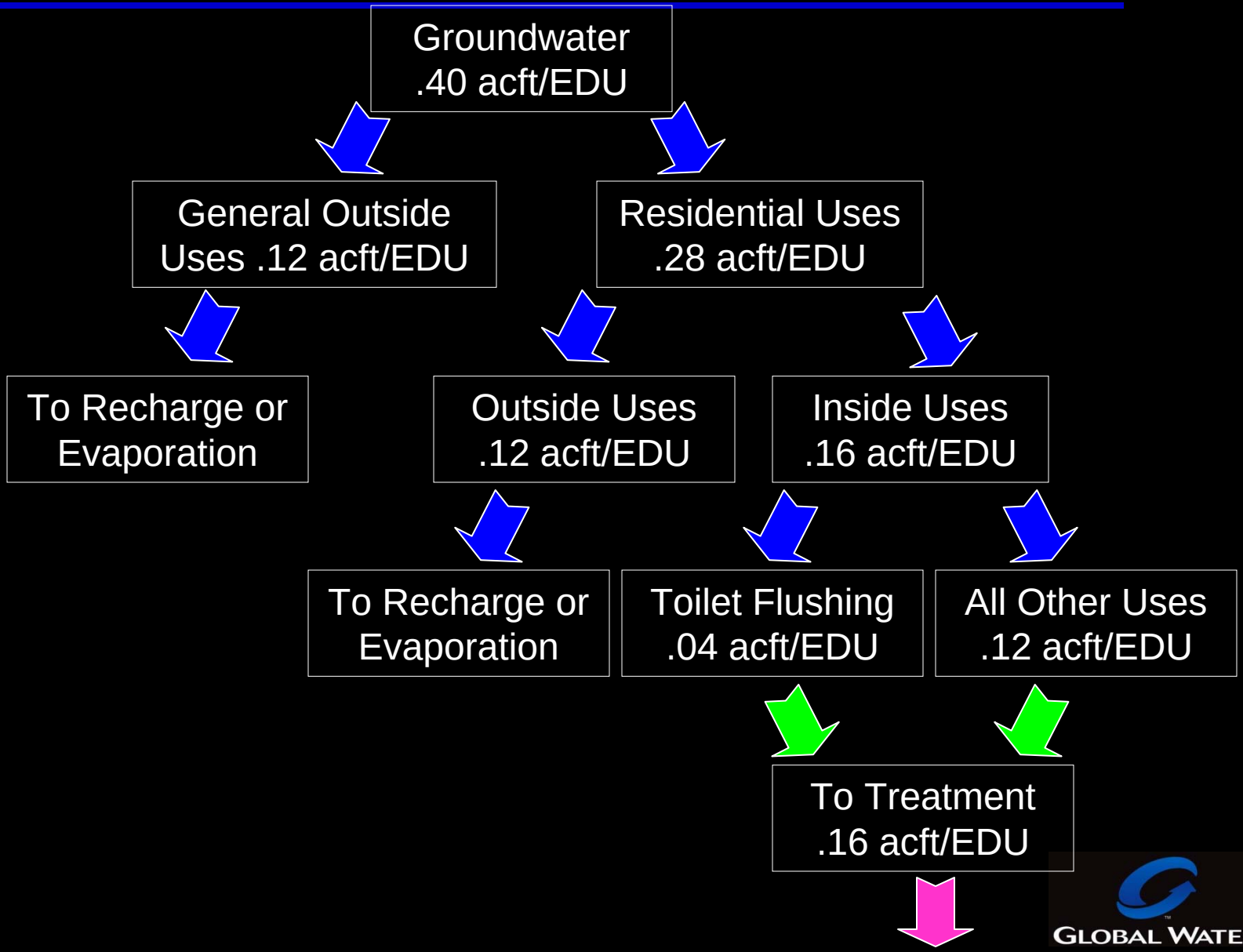
Status Quo Water Use



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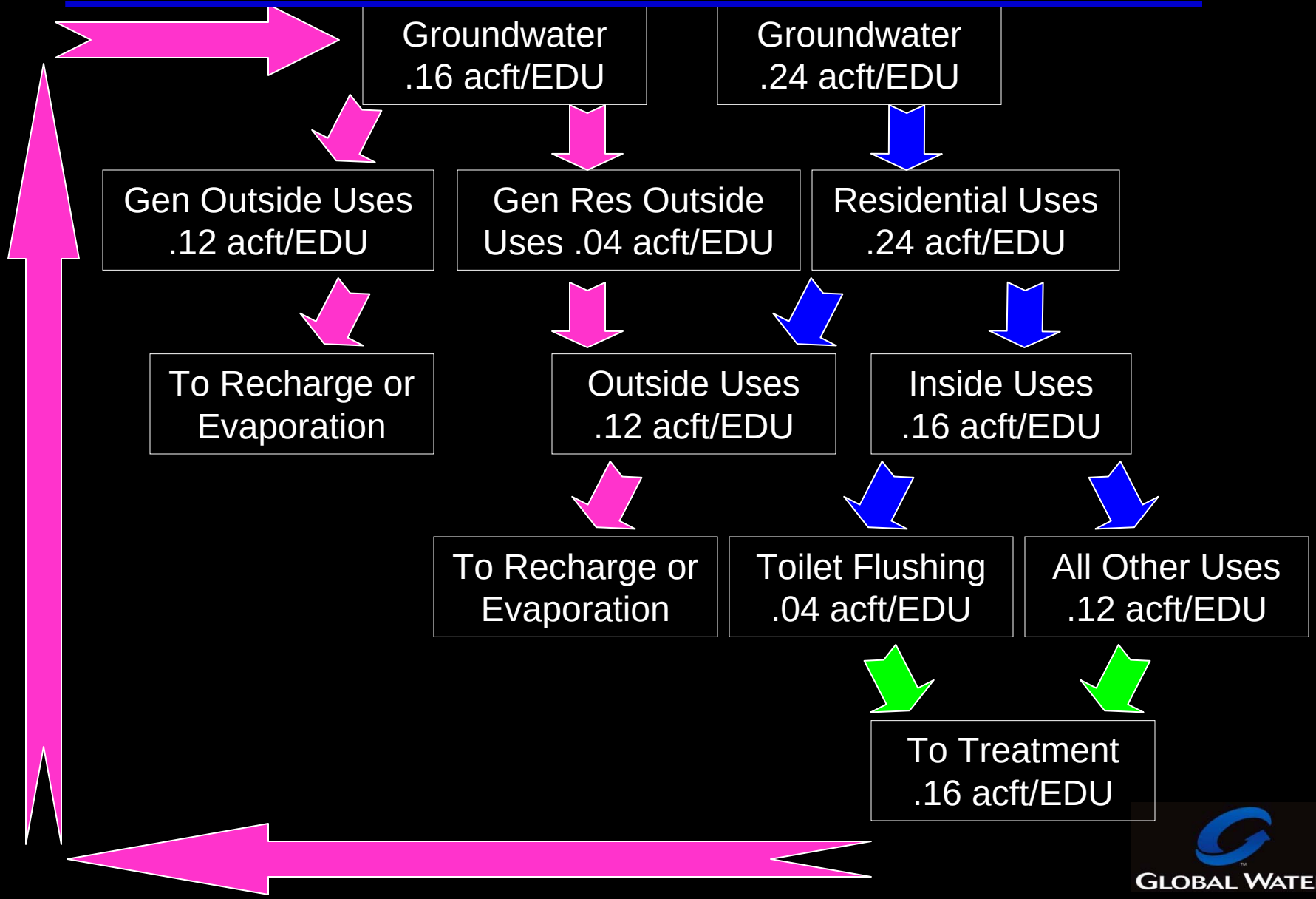
Advanced Water Recycling



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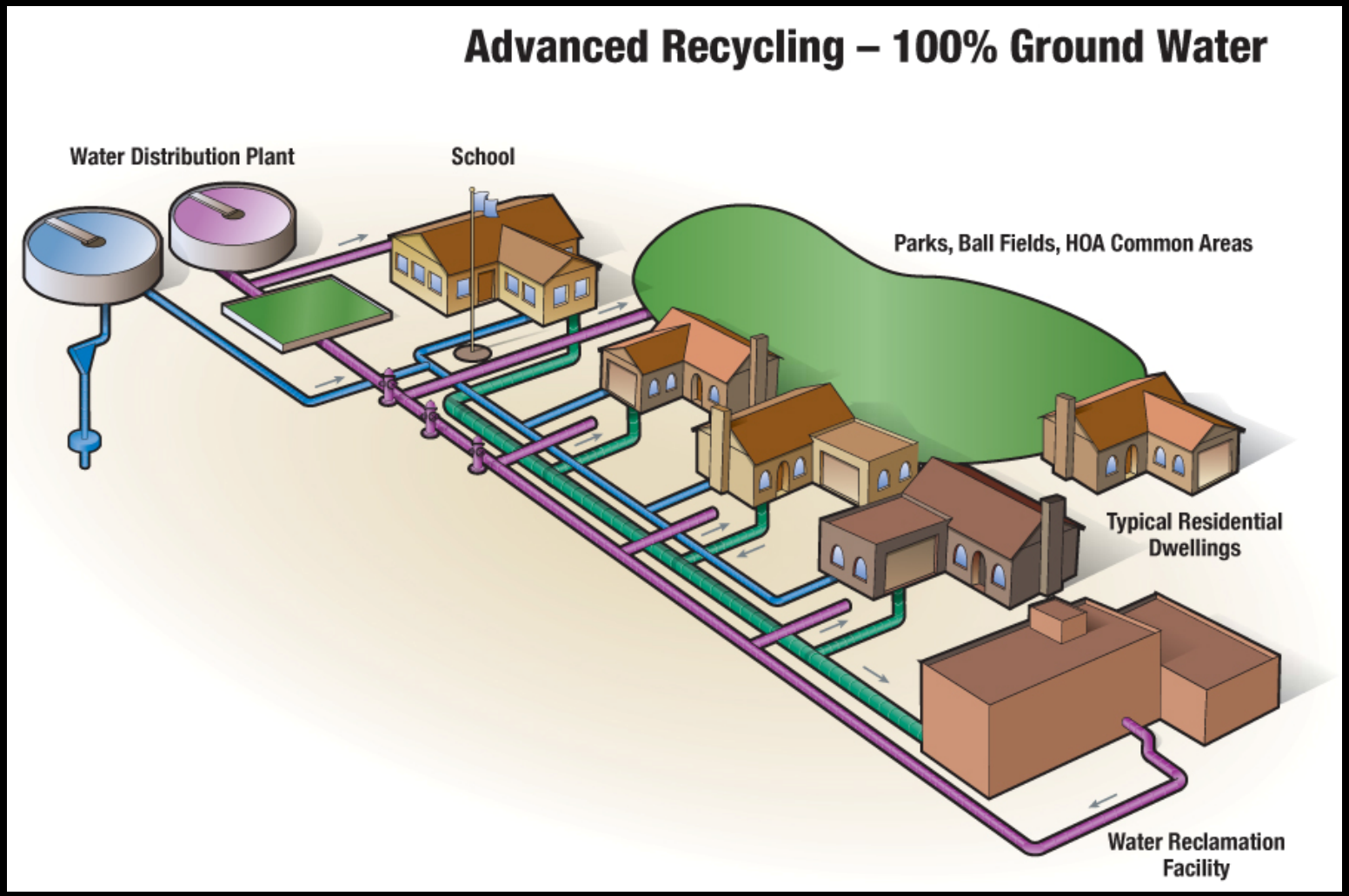
Advanced Water Recycling



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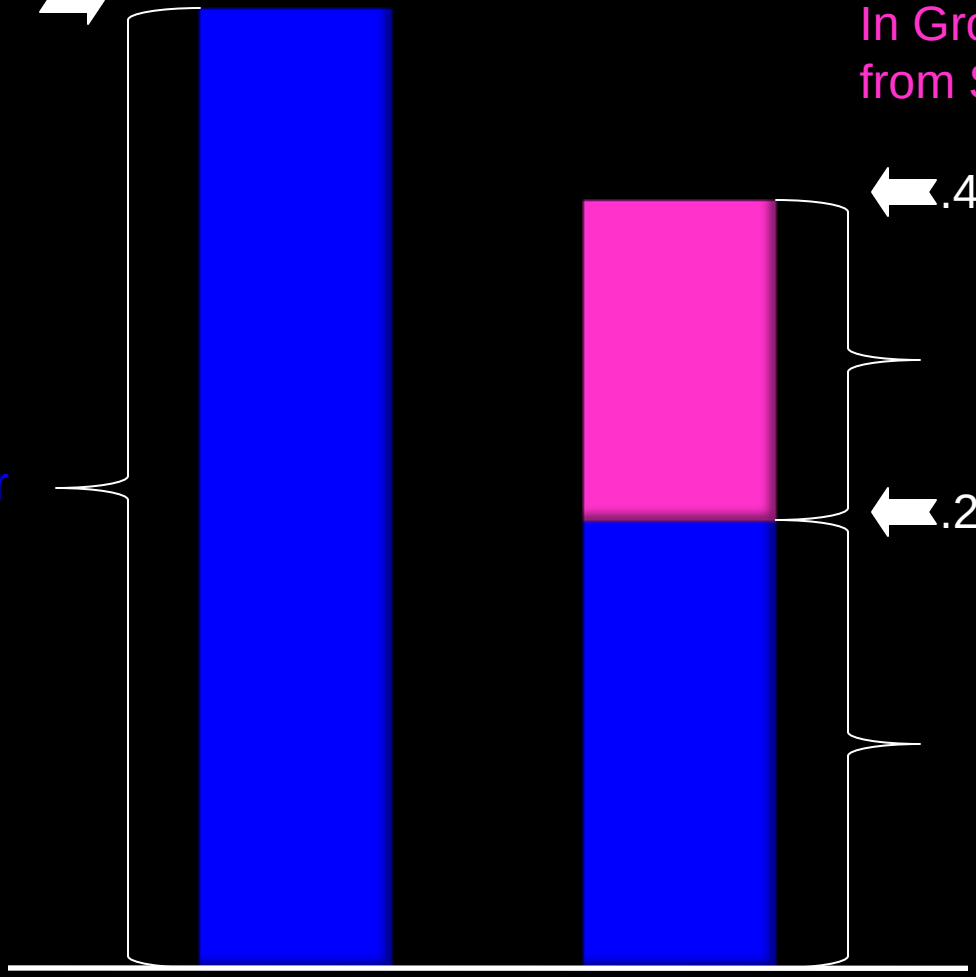
Global Water Policy



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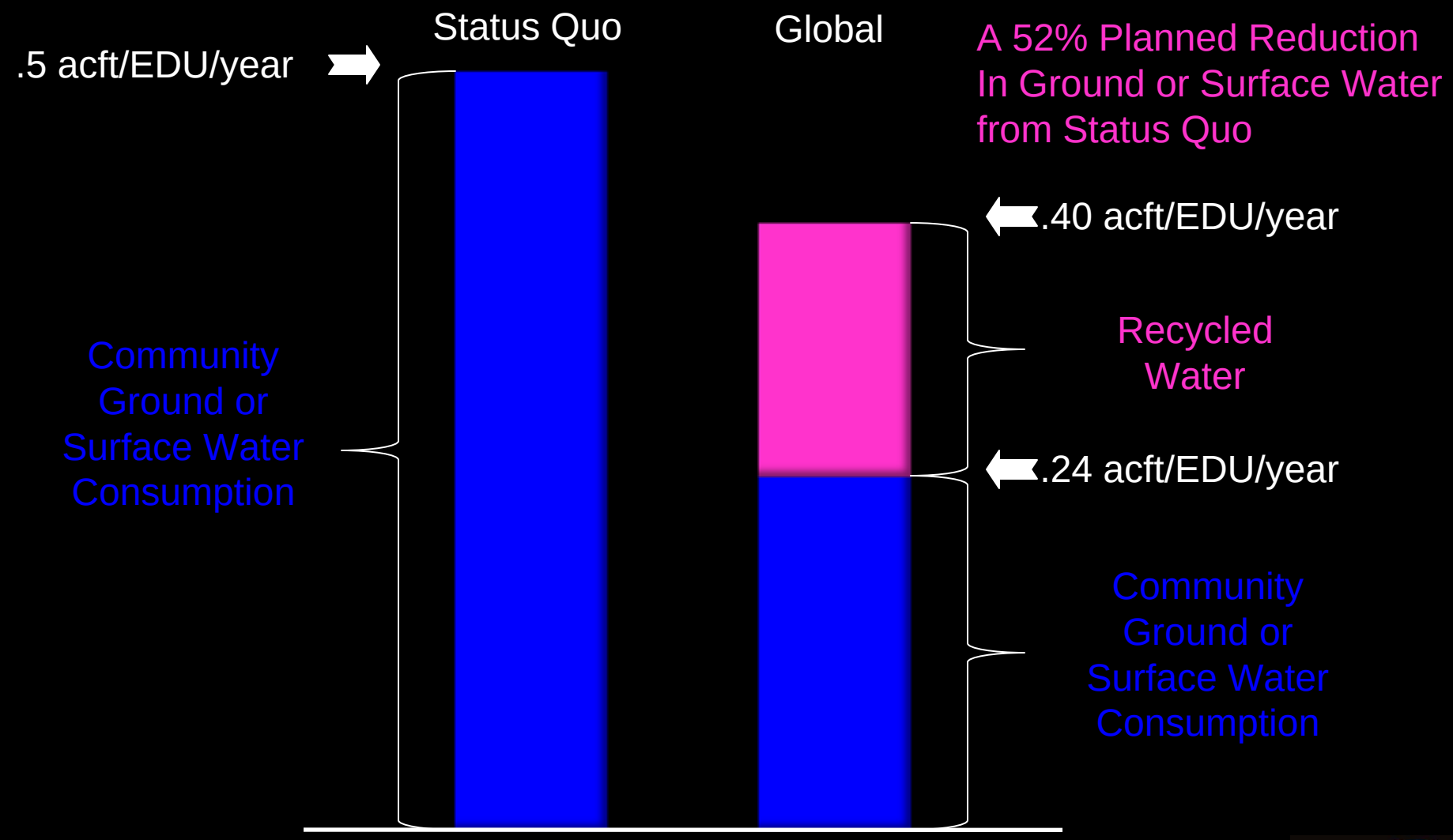
Global Water Goal



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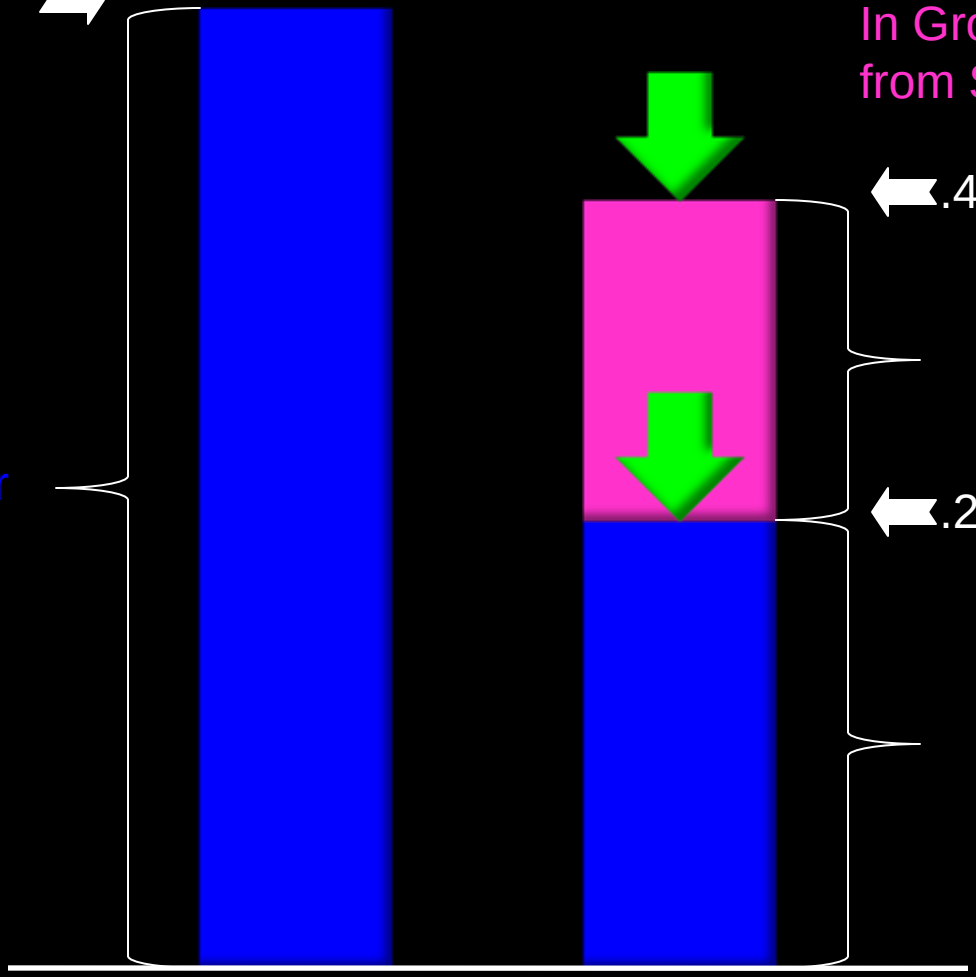
Global Water Goal



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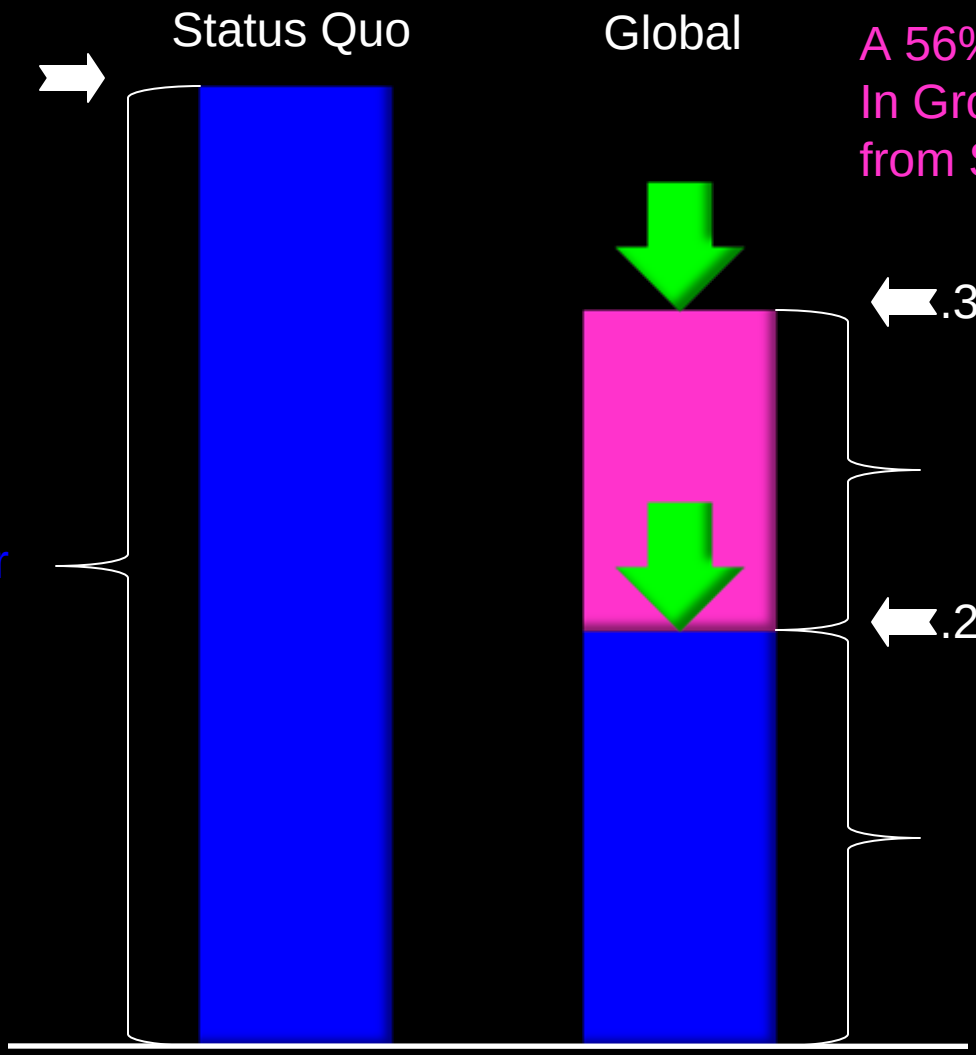
Global Water Goal



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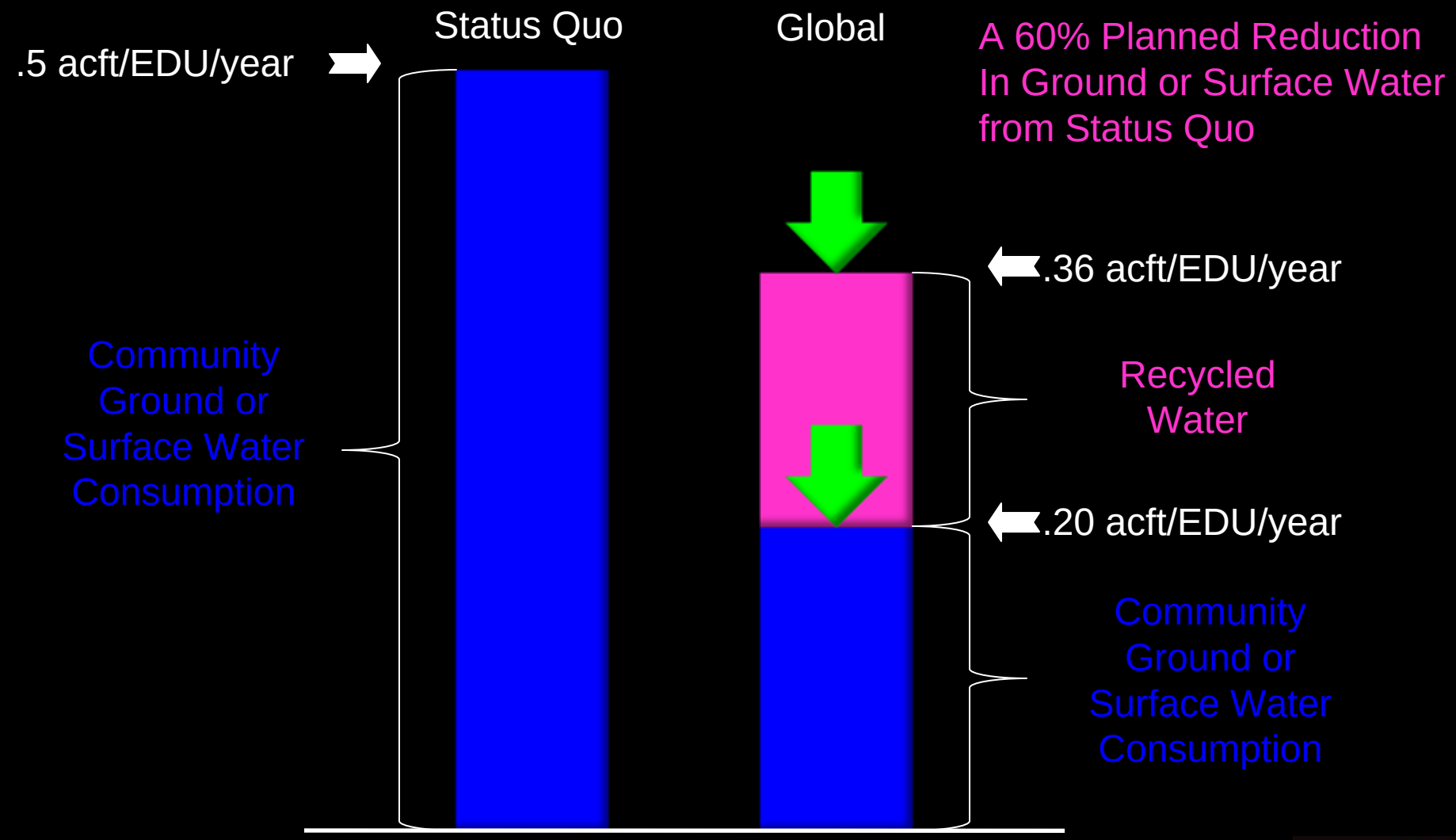
Global Water Goal



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Global Water Goal

.20 acft/home/year

or 65,160 gallons/home/year

or 5,430 gallons/home/month

@ 2.5 persons/home

71 gallons/person/day

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Global Water Goal

Currently – 1 acft/year = 2 houses

Global Model – 1 acft/year = 5 houses

Scarcity Management = Sustainability

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Global Water Goal

1,075,360,000 gallons saved to date

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Words that Work

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We turn your water use into a water source.

Here in Arizona, providing water begins with protecting it. That's why, as the state's fastest growing private water utility, we're so committed to water reclamation and reuse. By cleaning and treating the water that goes down your drain, we make it useful again for things like irrigating neighborhood parks, schools, and golf courses. And that makes every drop go a lot farther. Because even in the Desert Southwest, there's more than enough water for all of us, as long as we all become smarter about conserving it.

gwresources.com

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Working for your children's children.

How do you ensure that a vital resource will be there 100 years from now? At Global Water we plan for the future by investing in water reclamation today. By ensuring the quality of reclaimed water, we expand its potential as an alternative to groundwater and other limited supplies. So the water you wash clothes with can be cleaned and used again to keep your neighborhood park green. And the same source we rely on today will still be providing for our grandchildren tomorrow.

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Water from your house goes to another good home — your neighborhood park.

Reliable water helps both plants and communities grow. So how do we develop more water sources? At Global Water we've found that the best place to start is with the water we already use. By improving the process of cleaning and treating residential wastewater, we're creating a new water source for irrigating a wide variety of public spaces. So the potential of every gallon grows dramatically. And water down your drain becomes flowers in your park.

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What's a reliable water supply worth?

Nothing's more essential to our Arizona lifestyle than water. And nothing would prove more costly than running out. To help fill the gap between drought-ridden supplies and growth-driven demands, Global Water is investing in state-of-the-art treatment facilities and an added network of purple pipes. This new infrastructure supplies communities with recycled water for irrigation and commercial applications where potable water isn't necessary. It adds 20% to the cost of supplying water, but it can reduce fresh water consumption by 40%. That's a return we can't afford not to invest in.

To learn more about water recycling, visit us online at www.gwresources.com

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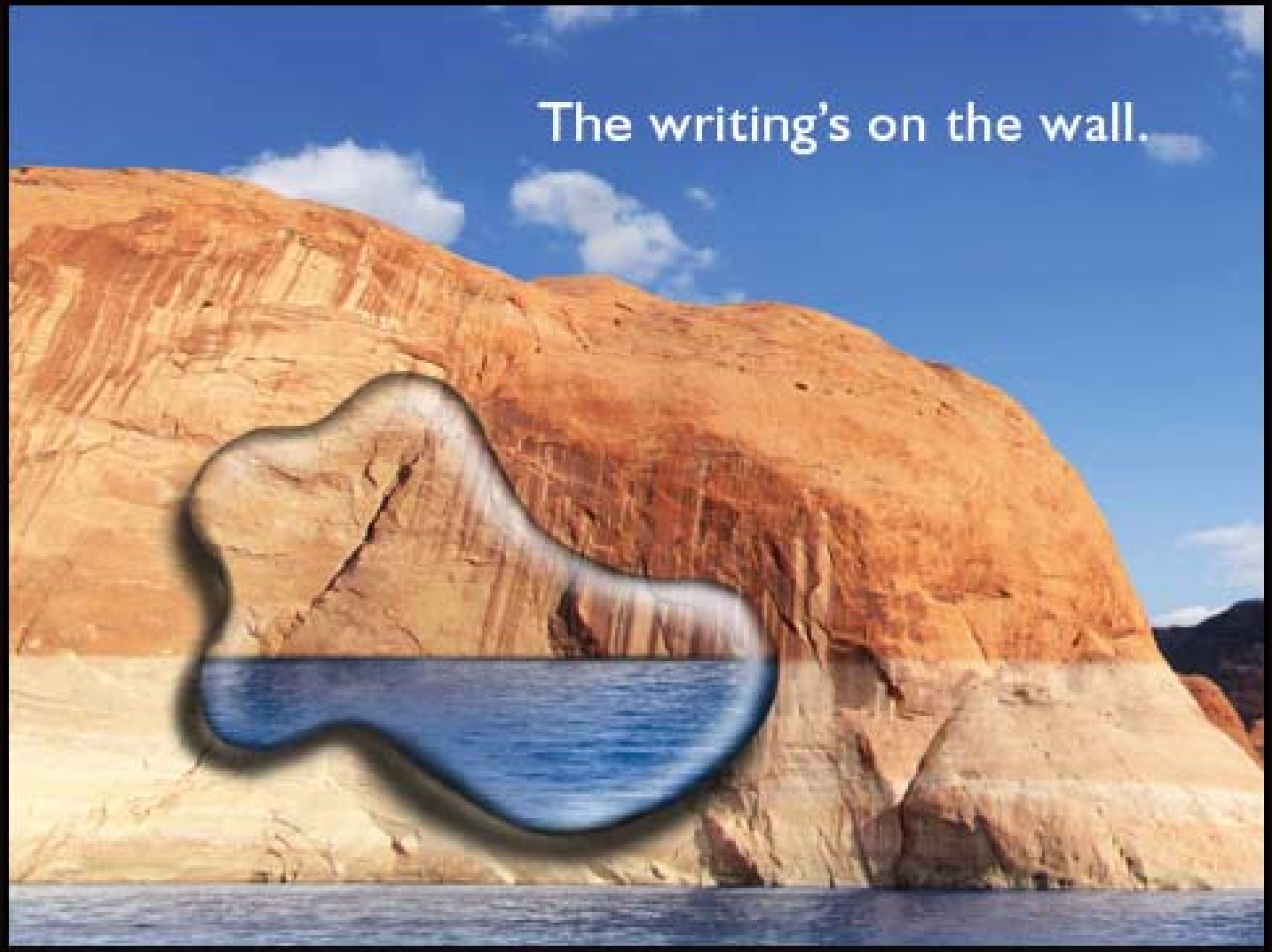

Dealing with drought means preparing to recycle.

If you still don't believe we're in a drought, pay a visit to Lake Powell. You'll find a white bathtub ring 140 feet high. With each passing year, this reduction in our natural water supplies is looking more like the probable future instead of just a short-term anomaly. And if those white walls could talk, they'd be screaming at us to recycle. Water recycling can help reduce our fresh water use by 40%. That's a potentially huge savings we've just begun to tap. So Global Water is busy building recycling infrastructure to meet the water demands of new communities while reducing their demands on fresh water sources. What better way to deal with drought?

To learn more about water recycling, visit us online at www.gwresources.com

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Growth is inevitable. Water isn't.

Do some simple math and Arizona's water future will shock you: 5.6 million new people by 2030*, each using an average of 135 gallons a day for a total increase in demand of 756 million gallons of water per day. Where will it all come from? We can either pray for a biblical weather change or get busy making smarter use of our current sources. Global Water is leading the way with a water recycling model that helps new communities consume 40% less fresh water. Recycling is the only water source that grows as our population does. So by 2030, Global could be saving Arizona 300 million gallons of fresh water per day. That's a future we can live with.

To learn more about water recycling, visit us online at www.gwresources.com

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*US Census Bureau

Global Water Center

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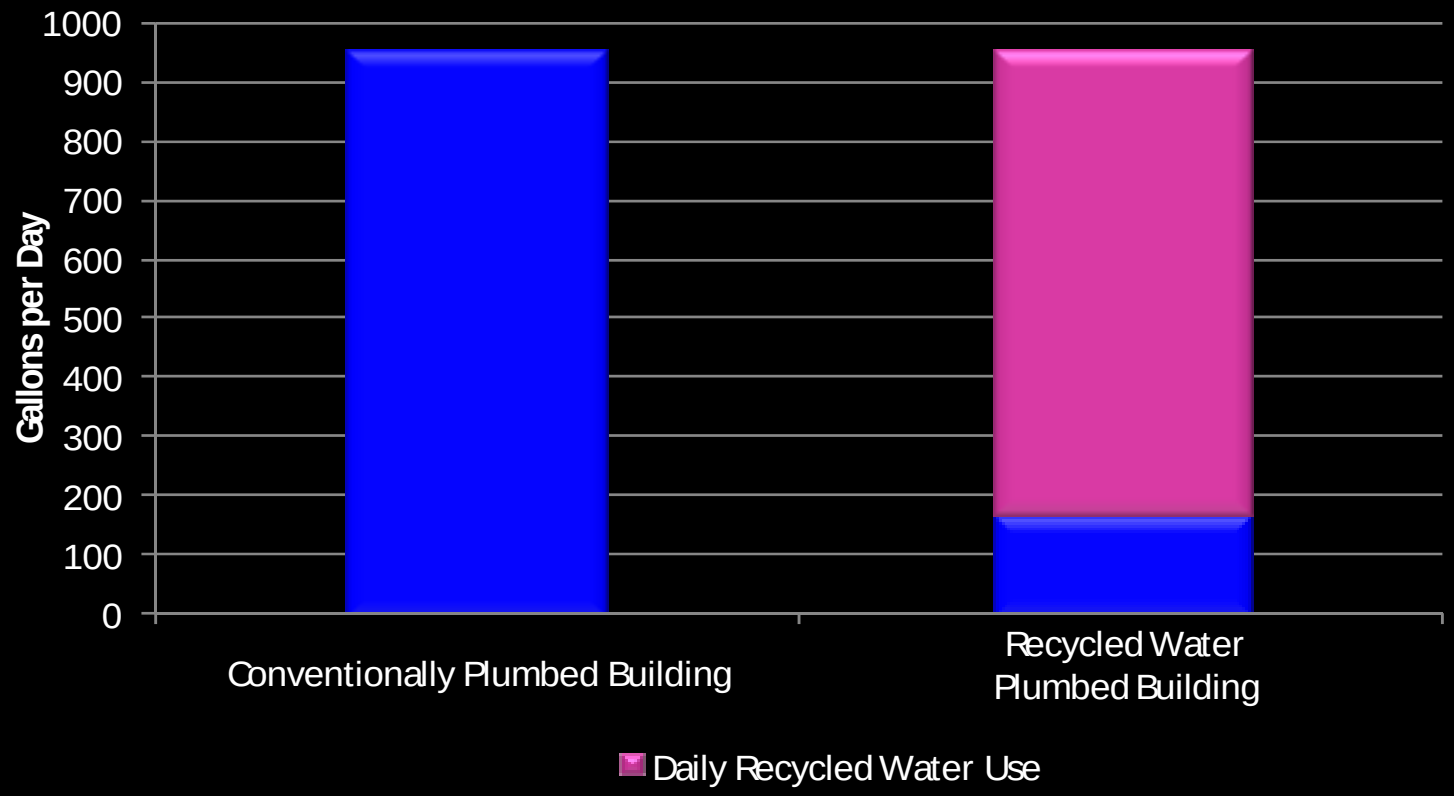
Daily Projected Water Savings Through Recycling in this Building



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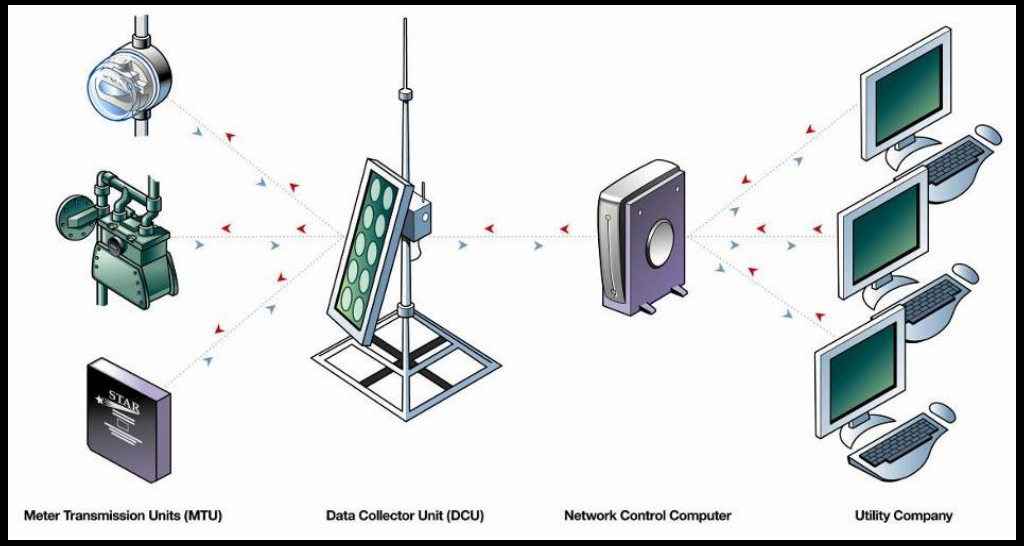
Global Green Billing



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Global Green Billing

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Conclusions

- Global Water Resources is a growth company focused on Scarcity Management
- Water Scarcity is an international issue – the United States is not immune.
- Growth in the Southwest will continue
- Demand-side-management has a role in managing future water scarcity
- Global leads the private water sector in demand side management practices

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