Scottsdale Water and Sustainable Water Management

Brian K. Biesemeyer, P.E.
Executive Director
MISSION: Provide simply better sustainable water services for a world class community

VISION: Water Sustainability through Stewardship, Innovation and People
About Scottsdale

- Population ~ 245,000
- Build Out ~ 300,000
- New Growth – North
- Redevelopment – South
- 184.5 square miles
- 31 miles long
- Elevation change 3,727 feet
And did I say an award winning utility?

- 2022: WateReuse Arizona Program of the Year: Direct Potable Reuse Project
- 2021/2016: Utility of the Future Today; EPA, DOE, and national consortium of water organization
- 2019: Sustainability Champion, Arizona Forward Environmental Excellence Crescordia Award
- 2018: Sustainable Utility Management Award; American Association of Metropolitan Water Agencies
- 2017: Public Education Program of the Year (Scottsdale Water Citizen Academy); WateReuse Association
And did I say we are hiring?
Groundwater: 100%
Total Assured Water Supply
140,014 acre-ft (af)
Water Supply Strategies

• Maximize renewable surface water use
• Utilize groundwater for peaking/backup
  • Safe yield (every year since 2006)
• Reclaim and reuse effluent
• Optimize groundwater recharge
  • Water Campus shallow recharge (Vadose)
  • Aquifer Storage and Recovery (ASR Wells)
  • Cooperative Recharge Agreements
• Maintain active conservation program