Emerging Issues & Future Trends

How can high schools & community colleges contribute to the Water Management field?

Advanced Technology Environmental and Energy Center

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Technology
- Green infrastructure
- Sustainable and resilient systems
- Energy recovery
- Nutrient recovery
- Desalination
- Resources reuse
- Integration of renewable energy into facilities (energy recovery, etc.)
- Quality assurance technology
- Management of microconstituents
- Increased use of computer controls for treatment processes
- Advances in analyzing data
- Zero discharge technologies
- AMR (Automated Meter Reading)
- Global access to safe drinking water (wells, purification, etc.)

Training
- Funding
- Distance training
- Encourage operators to become trainers, to utilize experienced operators’ knowledge in training.
- Standardize the requirements for Continuing Education Units (CEUs) and contact hours across the country (currently developed state by state).
- Mandatory certification for wastewater
- Stormwater certification
- Promote knowledge transfer and ability to operate facility in a manual mode during an emergency and/or disaster.
- Leadership development