



AUC GROUP, L.P.

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# Maintaining Wastewater Treatment During Repairs

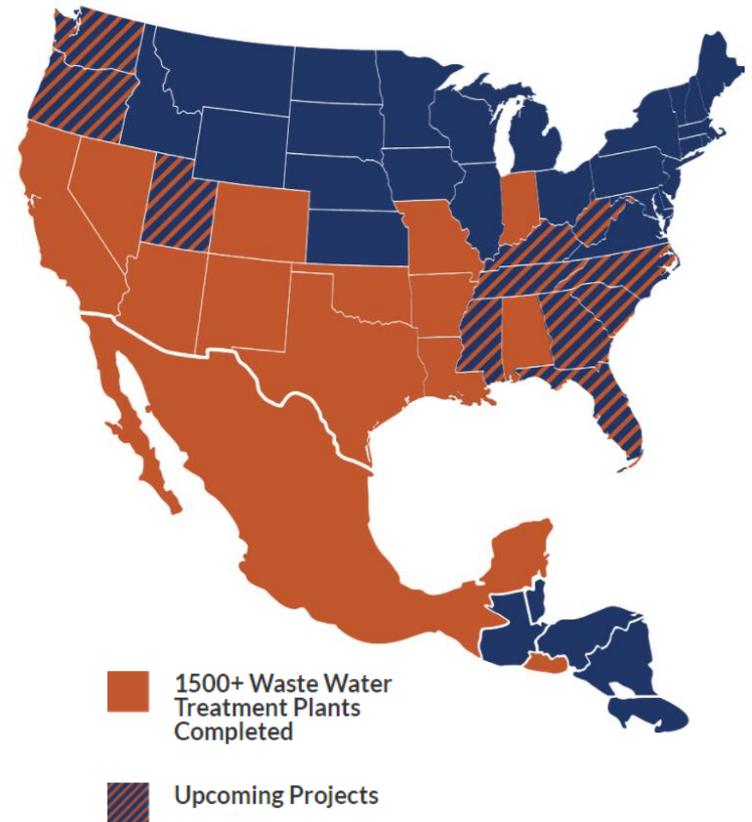
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PARTNER FOR OVER  
**45 YEARS**

2018

# Who is AUC Group, L.P.?

## AUC Group is a leading provider of turn-key wastewater treatment plants

- Founded in 1970
- Headquartered in Houston with offices in Arizona and Alabama
- Over 1,500 installations to date, including:
  - Steel, field-erected plants
  - Flexible, modular plants
- AUC total solution includes manufacturing, installation, design support and a unique leasing program



# Modular Plant Design

**AUC Group offers a modular plant design that is properly scaled to meet customers' needs as they evolve**



Typical module size = 400,000 GPD



Capacities range from 10,000 GPD to over 1,500,000 GPD



Modules can be placed in parallel to deliver up to 1,500,000 GPD of treatment capacity

## Customer benefits:

- Rapid implementation (6 months)
- Ownership flexibility
- Long useful life
- Ease of operation & maintenance
- Designed to meet most stringent effluent requirements



# Field-Erected Treatment Plants

**AUC Group manufactures, installs and offers design support for field-erected steel plants**

## Customer benefits:

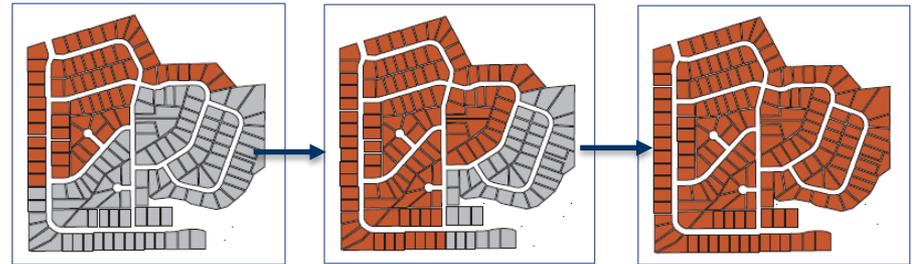
- Cost effective solutions
- Long-term financing options
- Highly ruggedized and reliable



# Lease Plant Program

## AUC Group is dedicated to providing cost efficient solutions for wastewater treatment

- Short term lease
- Long term lease
- Lease to purchase option
- Installment sale



## Customer benefits:

- Financing options that meet immediate needs
- Phased design - Add capacity based on current demand not ultimate capacity





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# Pump & Haul vs. Bypass Plants

# Pump & Haul to an Alternate Facility

- Proximity of a facility that has capacity to receive your wastewater
- Costs
  - Mobilization/demobilization of equipment
  - Day rates
  - Disposal fees
  - Truck rates
  - Fuel charge
  - Labor costs
  - Discharge cost
  - Varies by state and season
- Liability
- Environmental concerns – spillage or leaks



# Temporary Bypass Plants

## AUC Group owns a fleet of modular components prepared to treat temporary requirements

### Customer benefits:

- Maintain continuity of wastewater treatment service
- Mobilization: Design supports rapid deployment & demobilization services
- Wide variety of treatment options
  - Clarifiers
  - Aeration basins
  - Digester basins
  - Disinfection basins



AUC Bypass Tanks



# Aeration / Digester Tank

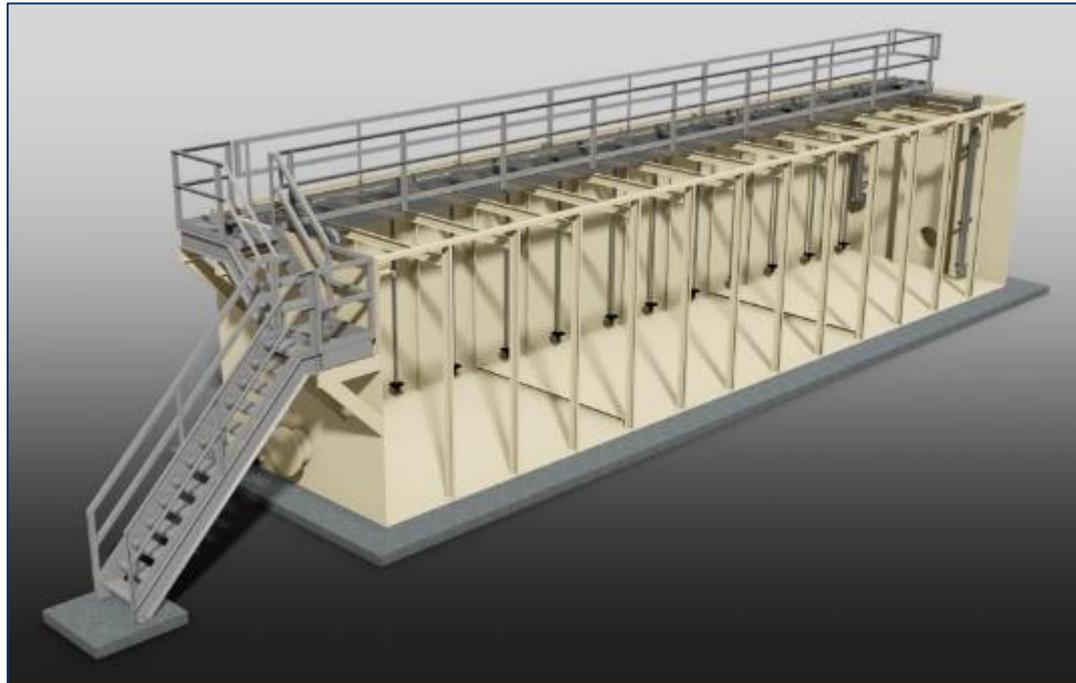
## Aeration Capacity

- 125,000 GPD @ 200 mg/L BOD<sub>5</sub>
- 107,500 GPD @ 250 mg/L BOD<sub>5</sub>
- 90,000 GPD @ 300 mg/L BOD<sub>5</sub>

## Pricing Example - Illustration Only

<u>Aeration/Digester Tank</u>	<u>2 Month Rental</u>	<u>6 Month Rental</u>
1 Basin	\$ 40,000	\$ 55,000

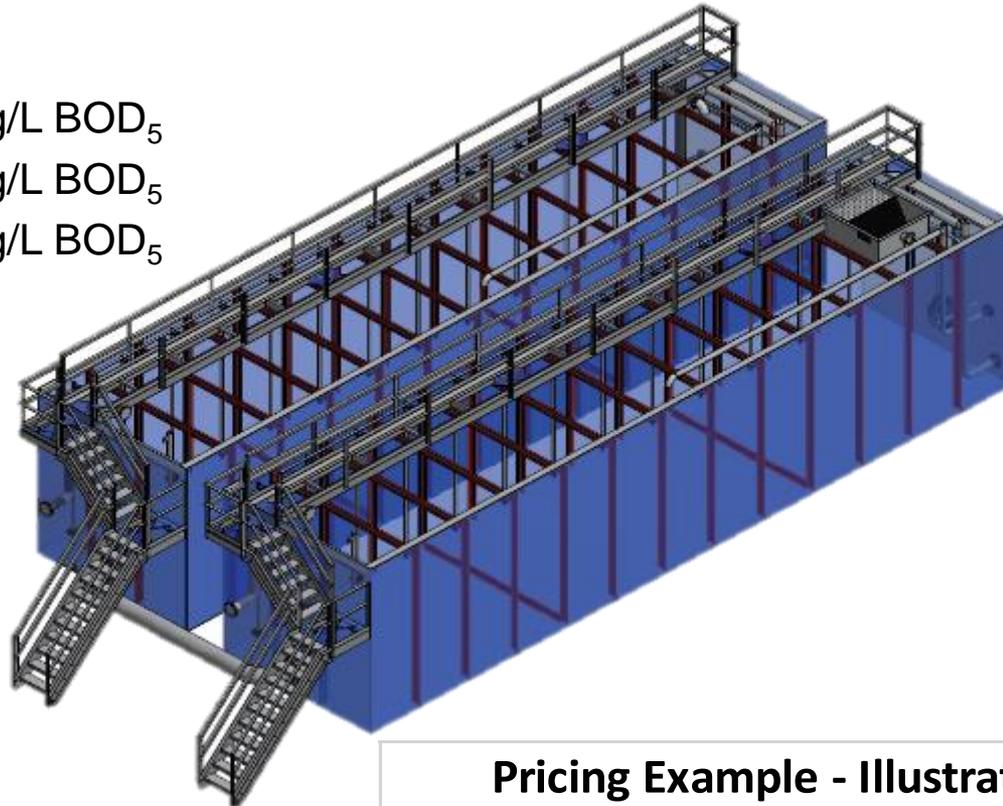
*Examples include delivery, set-up, dismantle & removal from site*



# Two Aeration Tanks

## Aeration Capacity

- 250,000 GPD @ 200 mg/L BOD<sub>5</sub>
- 215,000 GPD @ 250 mg/L BOD<sub>5</sub>
- 180,000 GPD @ 300 mg/L BOD<sub>5</sub>



## Pricing Example - Illustration Only

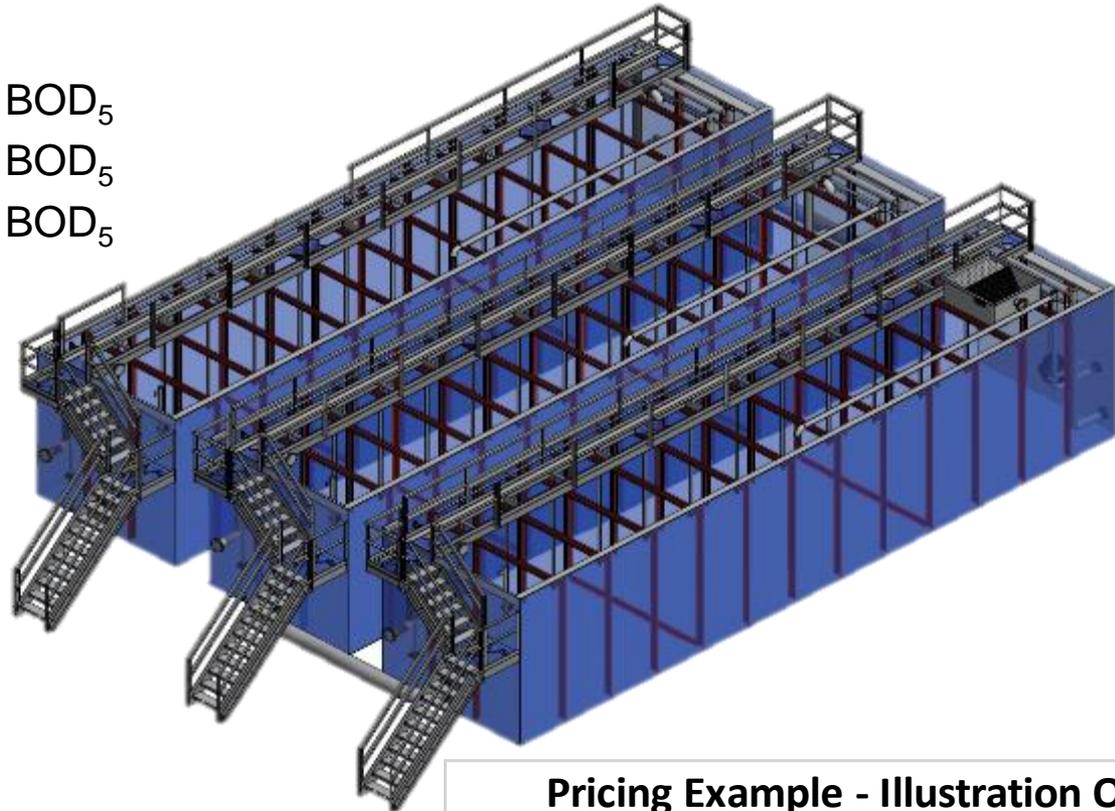
<u>Aeration/Digester Tank</u>	<u>2 Month Rental</u>	<u>6 Month Rental</u>
2 Basins	\$ 65,000	\$ 95,000

*Examples include delivery, set-up, dismantle & removal from site*

# Three Aeration Tanks

## Aeration Capacity

- 375,000 GPD @ 200 mg/L BOD<sub>5</sub>
- 322,500 GPD @ 250 mg/L BOD<sub>5</sub>
- 270,000 GPD @ 300 mg/L BOD<sub>5</sub>



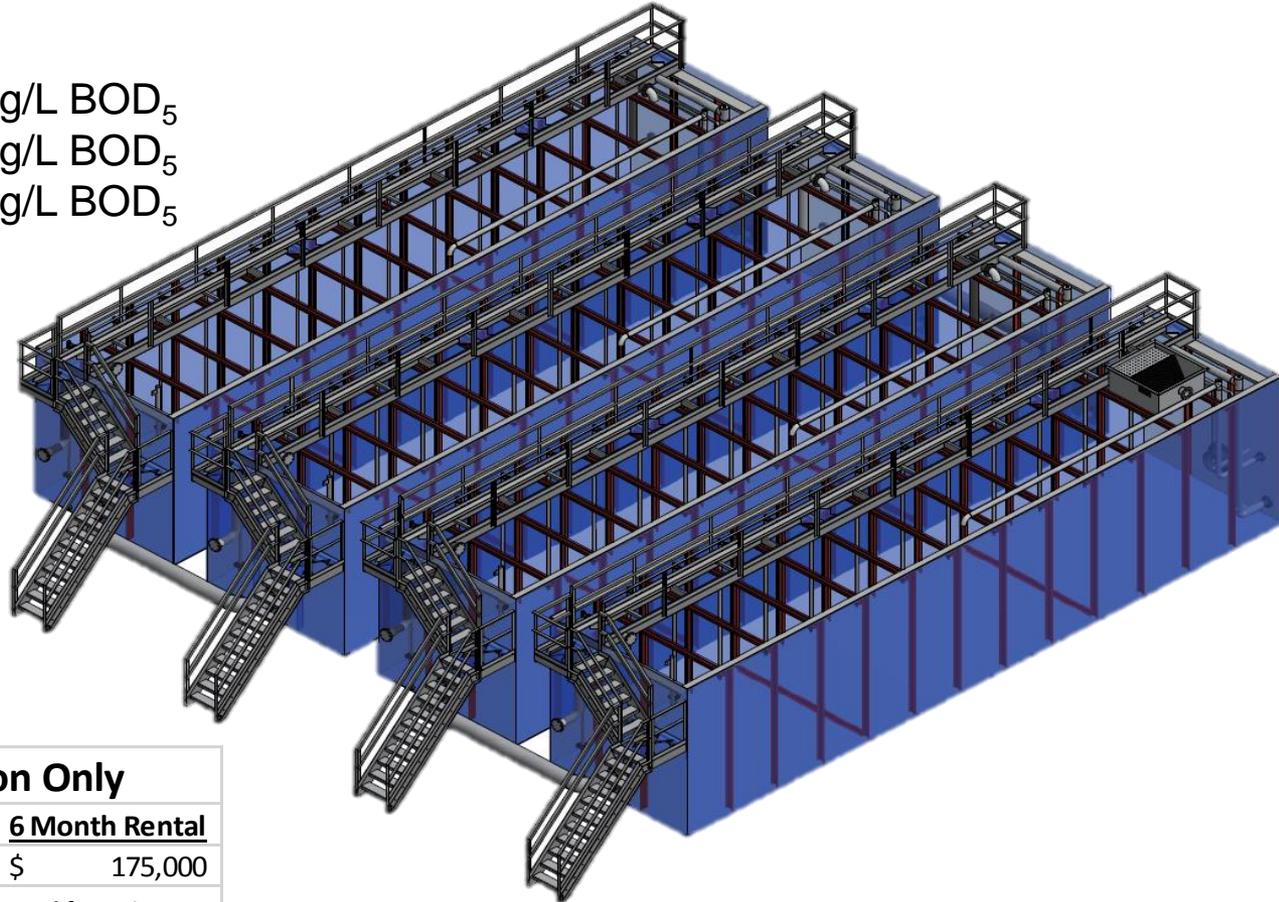
<b>Pricing Example - Illustration Only</b>		
<u>Aeration/Digester Tank</u>	<u>2 Month Rental</u>	<u>6 Month Rental</u>
3 Basins	\$ 90,000	\$ 140,000

*Examples include delivery, set-up, dismantle & removal from site*

# Four Aeration Tanks

## Aeration Capacity

- 500,000 GPD @ 200 mg/L BOD<sub>5</sub>
- 430,000 GPD @ 250 mg/L BOD<sub>5</sub>
- 360,000 GPD @ 300 mg/L BOD<sub>5</sub>



### Pricing Example - Illustration Only

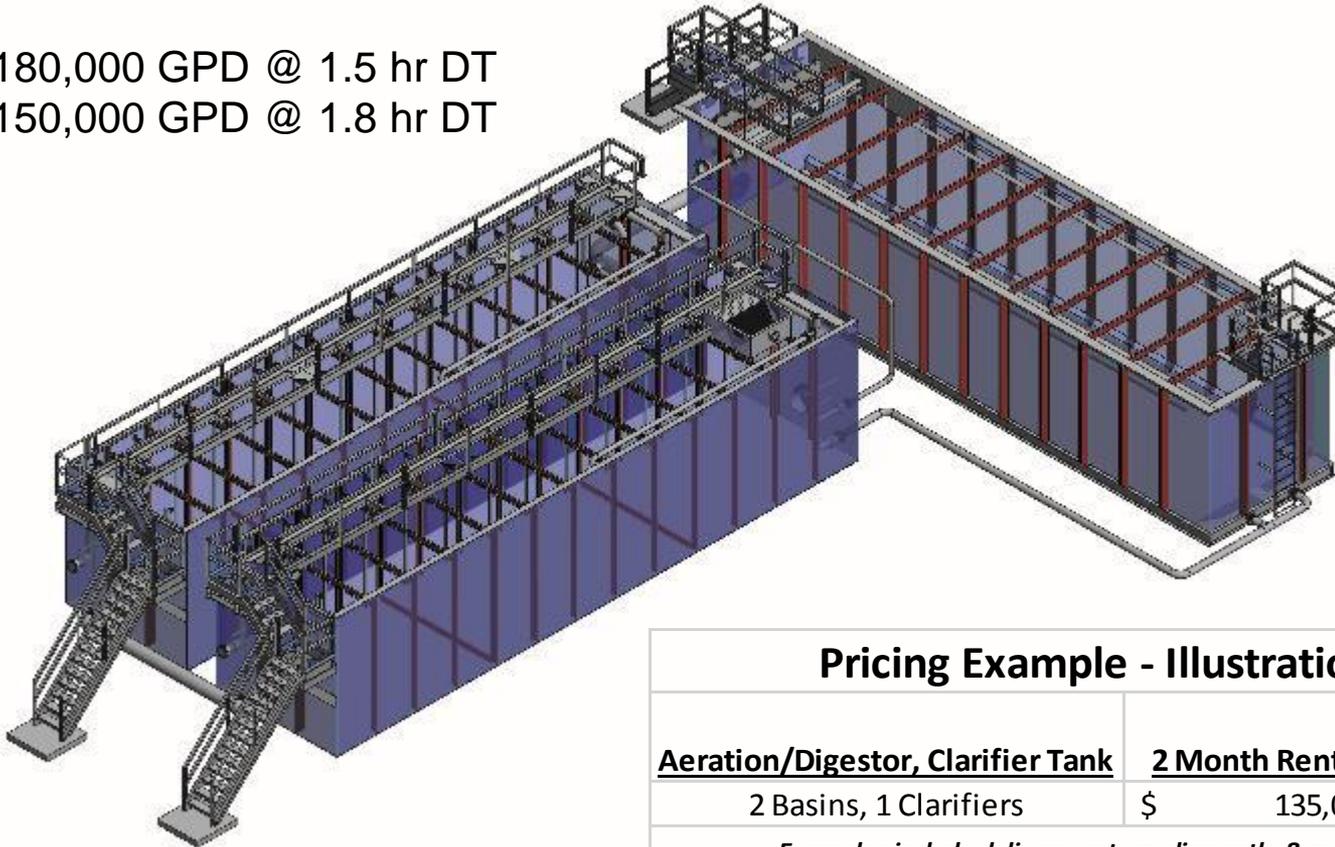
<u>Aeration/Digester Tank</u>	<u>2 Month Rental</u>	<u>6 Month Rental</u>
4 Basins	\$ 116,000	\$ 175,000

*Examples include delivery, set-up, dismantle & removal from site*

# Bypass Wastewater Treatment Plant

## Capacity

- Up to 180,000 GPD @ 1.5 hr DT
- Up to 150,000 GPD @ 1.8 hr DT



## Pricing Example - Illustration Only

<u>Aeration/Digester, Clarifier Tank</u>	<u>2 Month Rental</u>	<u>6 Month Rental</u>
2 Basins, 1 Clarifiers	\$ 135,000	\$ 190,000

*Examples include delivery, set-up, dismantle & removal from site*

# Bypass Case Study – Emergency Repair

- **WHO:** Municipal Utility District #8, Harris County, Texas
- **CHALLENGE:** Treating flow during emergency plant repair
- **SOLUTION:** AUC Group provided short term wastewater treatment equipment to treat 0.4 MGD of existing flow

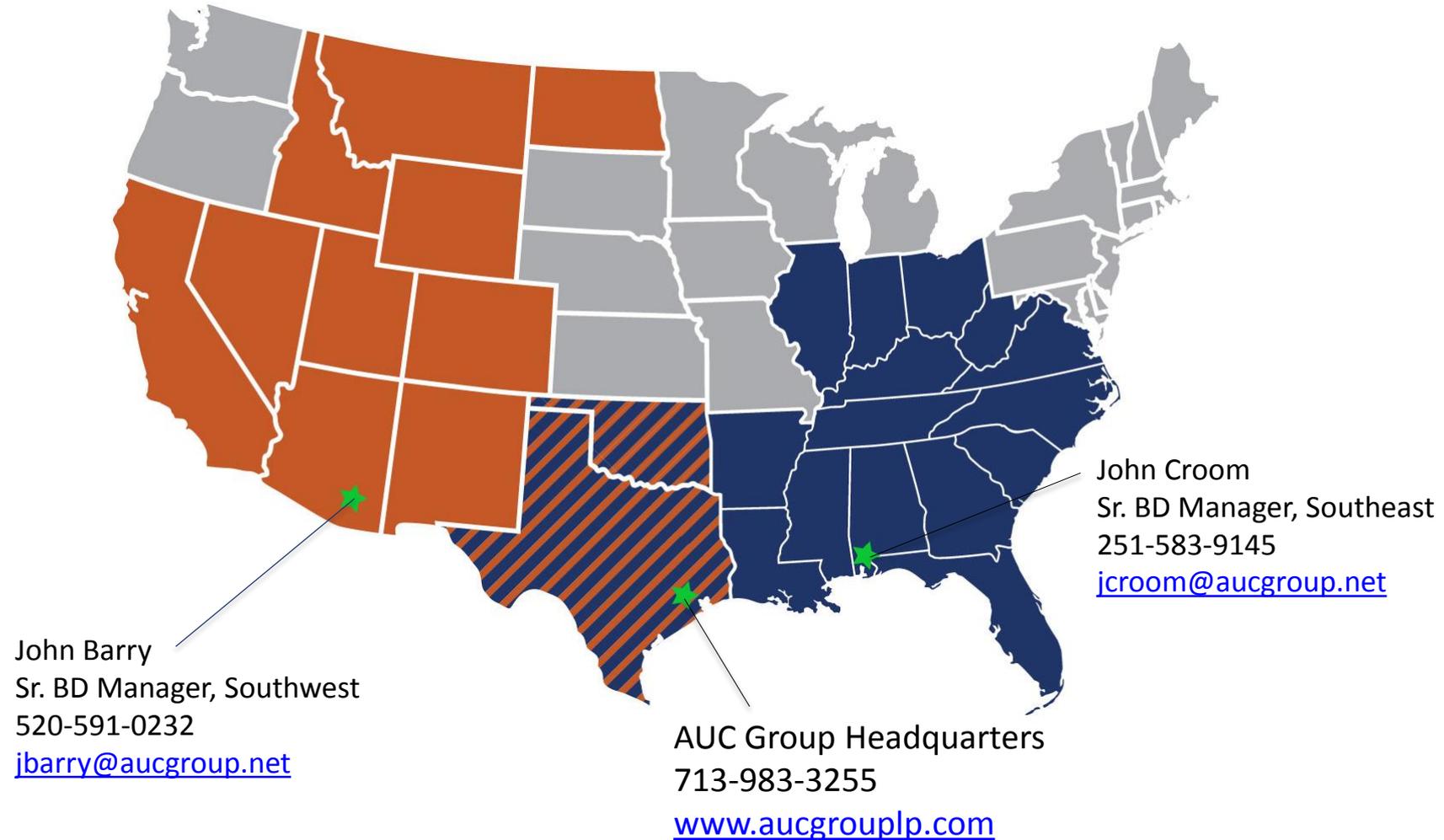


# Bypass Case Studies Continued

- **Catastrophic failure**
  - Installed bypass plant in 2 weeks
- **Interim plant**
  - Utilized bypass plant during start-up
- **City plant renovation**
  - Provided bypass plant to service the city's 3 plants in staggered stages during renovations



# Contact us across the U.S.





# AUC GROUP, L.P.

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