## **Super Critical Water Oxidation Solids Treatment**



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#### What's So Special?

- Super Critical Water Oxidation allows you incinerate wet solids.
- There is no need to dry the solids
  - Energy Savings
  - No Gummy Sludge
  - No Dryer Dust Fires
  - Less Handling of Abrasive Material
- Can destroy chemicals like PFAS





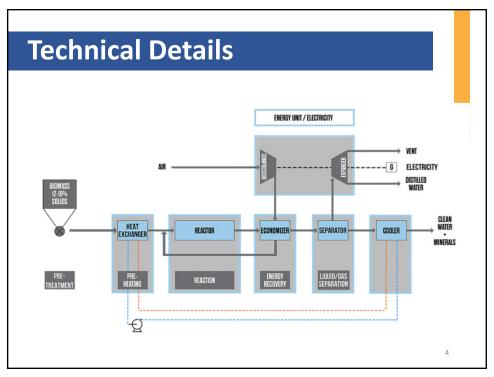
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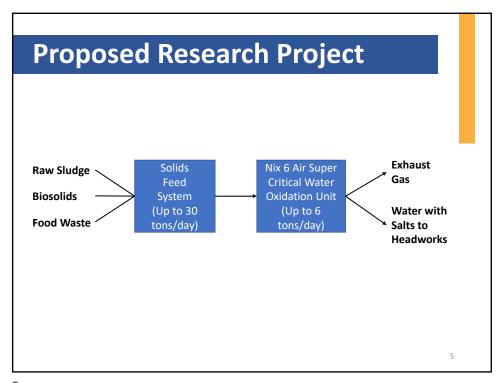
# Properties of Super Critical Water

- Oil and water mix
  - Organics are soluble
- Oxygen can mix freely
  - Organic chemical bonds are broken
- Salts don't dissolve
  - Managing this problem is key

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### **Proposed Project Budget**

Project Item	Cost
374 Water Contract (Equipment and Operation)	\$5,139,000
Public Works Site Prep and Utilities	\$250,000
OC San Laboratory Support	\$120,000
OC San Staff Costs/Operation	\$254,000
Contingencies	\$1,127,000
Total Project Cost	\$6,890,000

### **Proposed Project Schedule**

Milestone	Date
Award Contract to 374 Water	November 2021
Site Design and Bid	November 2021 – July 2022
Fabricate Nix 6 and Solids Feed	November 2021 – July 2022
Site and Utility Construction	August 2022 – September 2022
Install and Commission Unit	September 2022 - October 2022
374 Water Startup and Operation	November 2022- January 2023
OC San Own and Operate	February 2023 – November 2023

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