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SOLID WASTE ASSOCIATION OF NORTH AMERICA

Dane County RNG Facility:

A Path Forward for Municipalities

John Welch

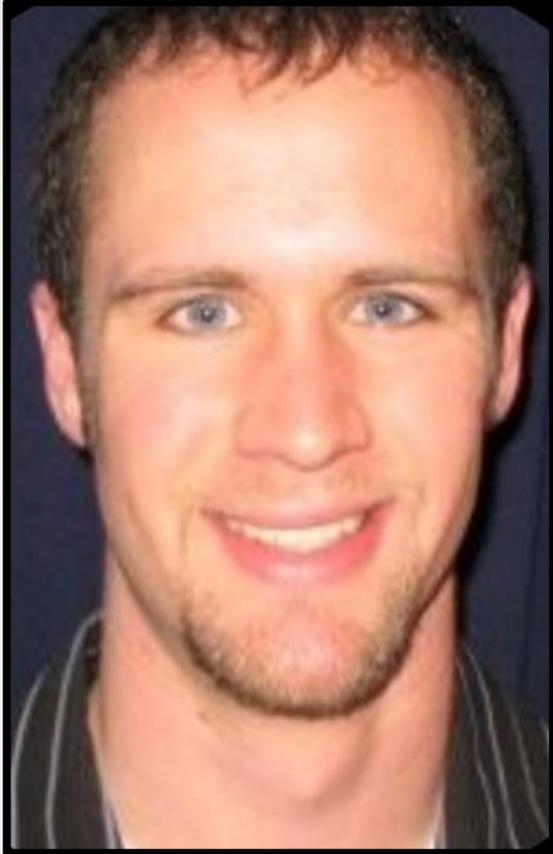
Director

&

Allison Rathsack

Special Projects & Materials Manager





John Welch

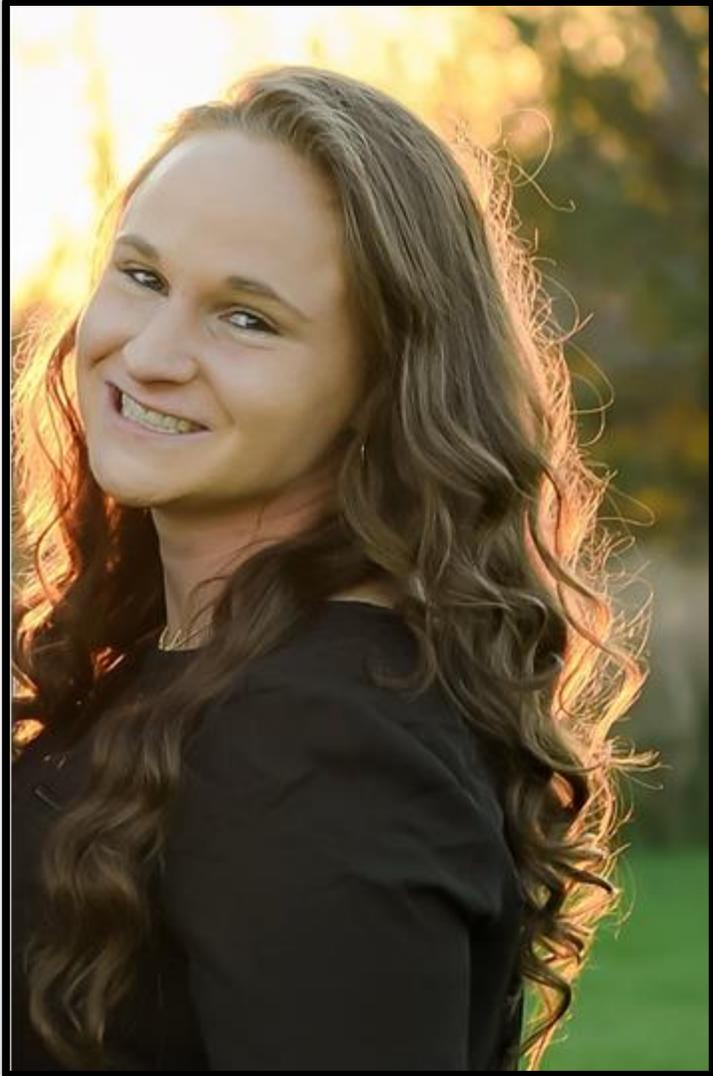
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PRESENTATION AGENDA:

- Project necessity
- Project overview
- Obstacles & lessons learned



PROJECT NECESSITY

- Federal and state requirements
- Sun-setting electrical PPA
- Federal and state incentives for RNG



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PROJECT OVERVIEW



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OBSTACLES

- State restrictions
- Timeline
- EPA pathway approval



State & Local Restrictions



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Involved Parties

Major Equipment Suppliers



Pipeline Interconnect



Facility Design



SCADA & Integration



Construction



Registration



Monetization

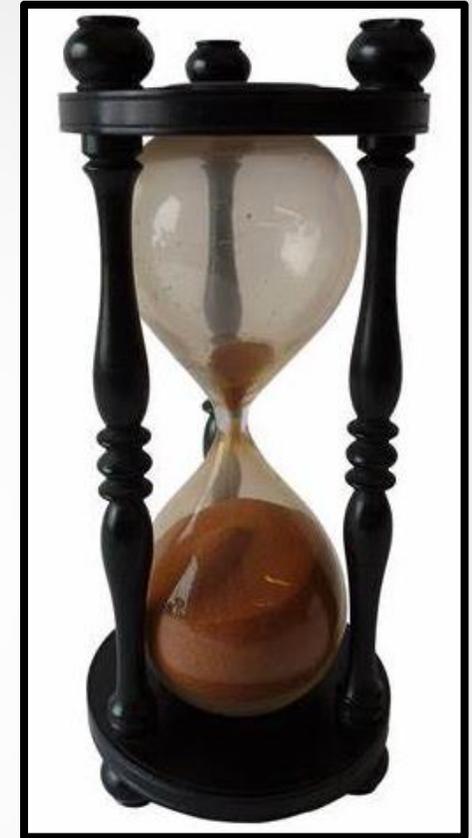


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Timeline

- **Equipment Selection and Procurement**
 - Project budgeted: Late 2016
 - RFP for equipment selection: January 2017
 - BIOFerm selected as equipment vendor: August 2017
 - Design and procurement: Between August 2017 & June 2018
 - Installation: Between June 2018 and April 2019
 - Completion: April 2019
 - Start of O&M: October 2019
- **Facility Design and Construction**
 - RFP for engineering services: June 2017
 - Cornerstone selected as engineer facility design: October 2017
 - Off-load station added to scope: October 2017
 - RFB for construction services: March 2018
 - Joe Daniels start of construction: June 2018
 - Substantial completion of construction: April 2019



Timeline

- **Registration and monetization of RNG**
 - RFP for consulting services: June 2016
 - EcoEngineers selected for consulting services: January 2017
 - RFP for Monetization and off-take of RNG: June 2018
 - Blue Source selected for monetization and off-take of RNG: February 2019
- **Pipeline interconnect**
 - Early engagement with ANR: First quarter 2018
 - Contract finalized: September 2018
 - Equipment delivery: February 2019
 - Commissioning: April 2019
- **Ongoing projects**
 - Off-load contracting
 - Working out bugs within the off-load station



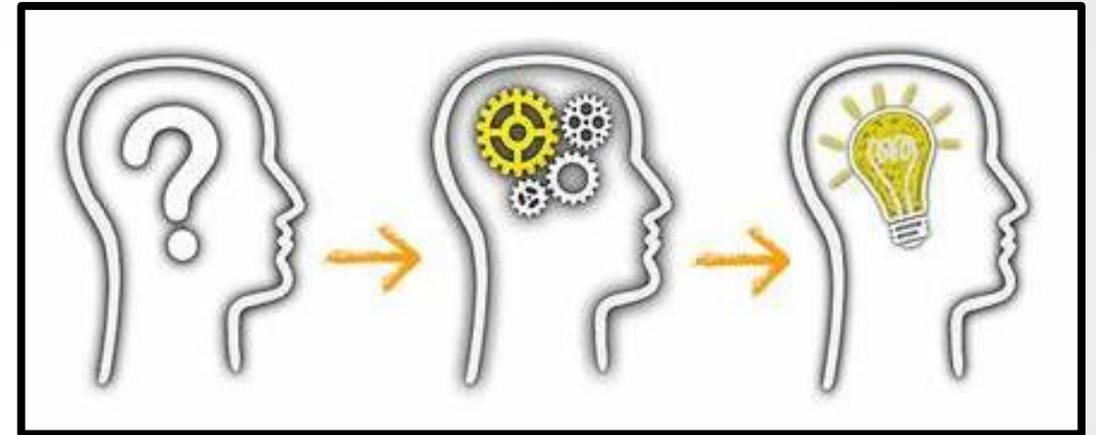
EPA Pathway Approval

- Metering and monitoring of sources
- Site security
- Role of Dane County in off-loaders registration process
- Data collection and reporting
- transparency
- Agreements



LESSONS LEARNED

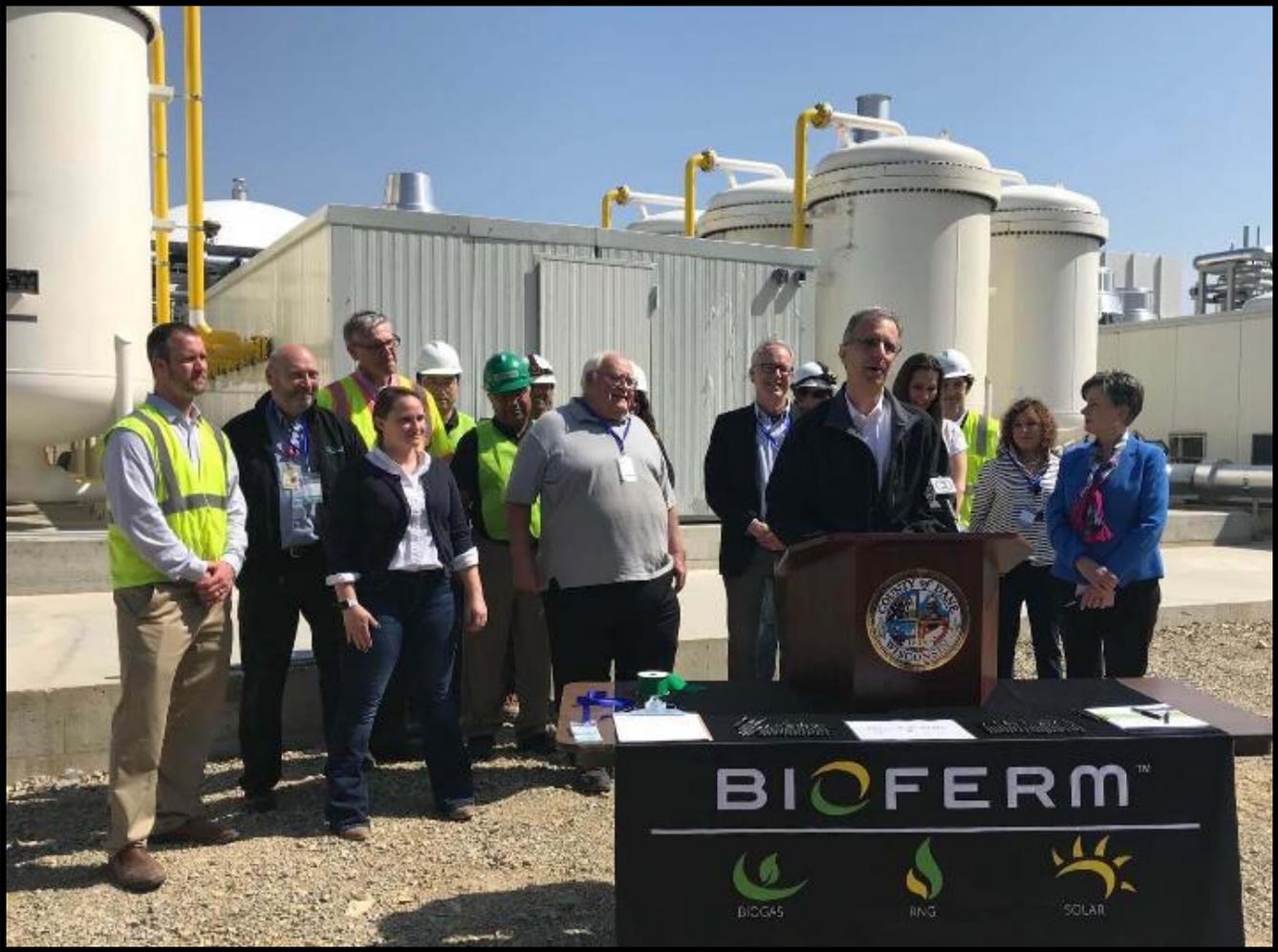
- Early engagement with regulatory bodies and pipeline company
- Equipment selection and system operation
- Minimize number of parties involved
- Constant communications and transparency
- SCADA system customization



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Thank you from all of us at Dane County!



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