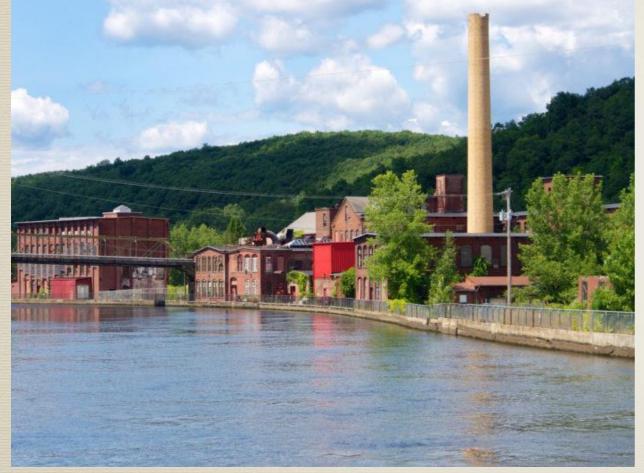
### Innovation and Resiliency— Montague, MA Upgrades Sludge Dewatering to Meet New Demands

Chelsey Little (she/her), BSBS MPH Superintendent

> Timothy Little (he/him) Foreman

# **History of Problem**



- \* Mill Town
- \* 2017 last mill shutdown permanently
- Waste and sludge changed
- Fornier Press made for paper pulp (course sludge)

# Attempts to Resolve Problem

- \* Ran Fornier "low and slow"
- \* longer pressing shifts-overtime
- Constant tweaking of primary and secondary sludge mix
- \* Constant need for gravity thickener
- Still unable to press out enough—backlogged on solids

### **Press Trials**



#### **PWTech**



Huber

# Why PWTech?

#### \* Procurement

- Duel channel/redundancy/exp andable
- Thickens and dewatering capabilities
- Can be run unsupervised overnight



## How Prepared for Install

- \* Where to put it? Footprint-space
- **\*** Supplies
- \* Drainage

### Installation

#### **Staff Acted as GC**

#### ~2 month prep





# Commissioning



### Conclusion

- \* Drier cake from 15% to 25+%
- \* Energy savings-smaller motors, less run time
- Return on investment-less than 4 years
- \* PERMIT COMPLIANCE!



