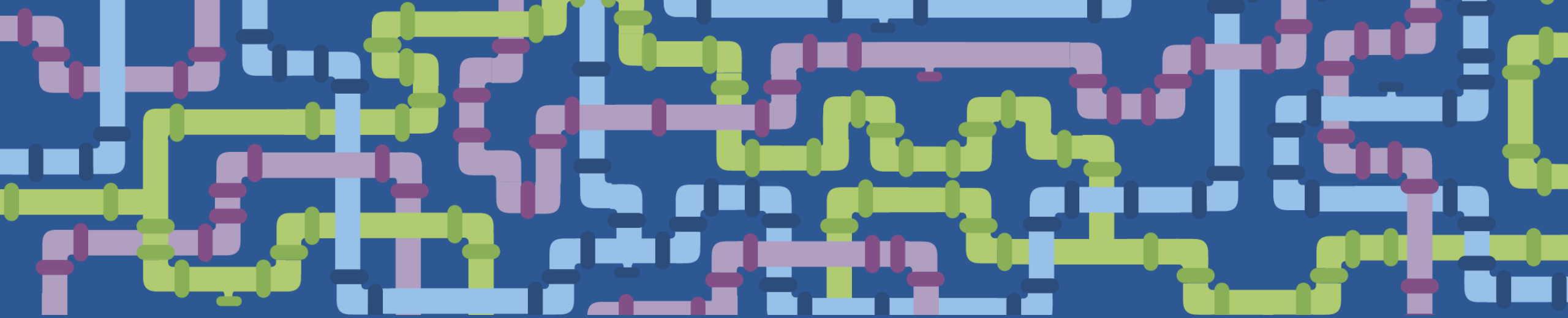




CLEARWATER
PUBLIC UTILITIES

RRRF Discussion



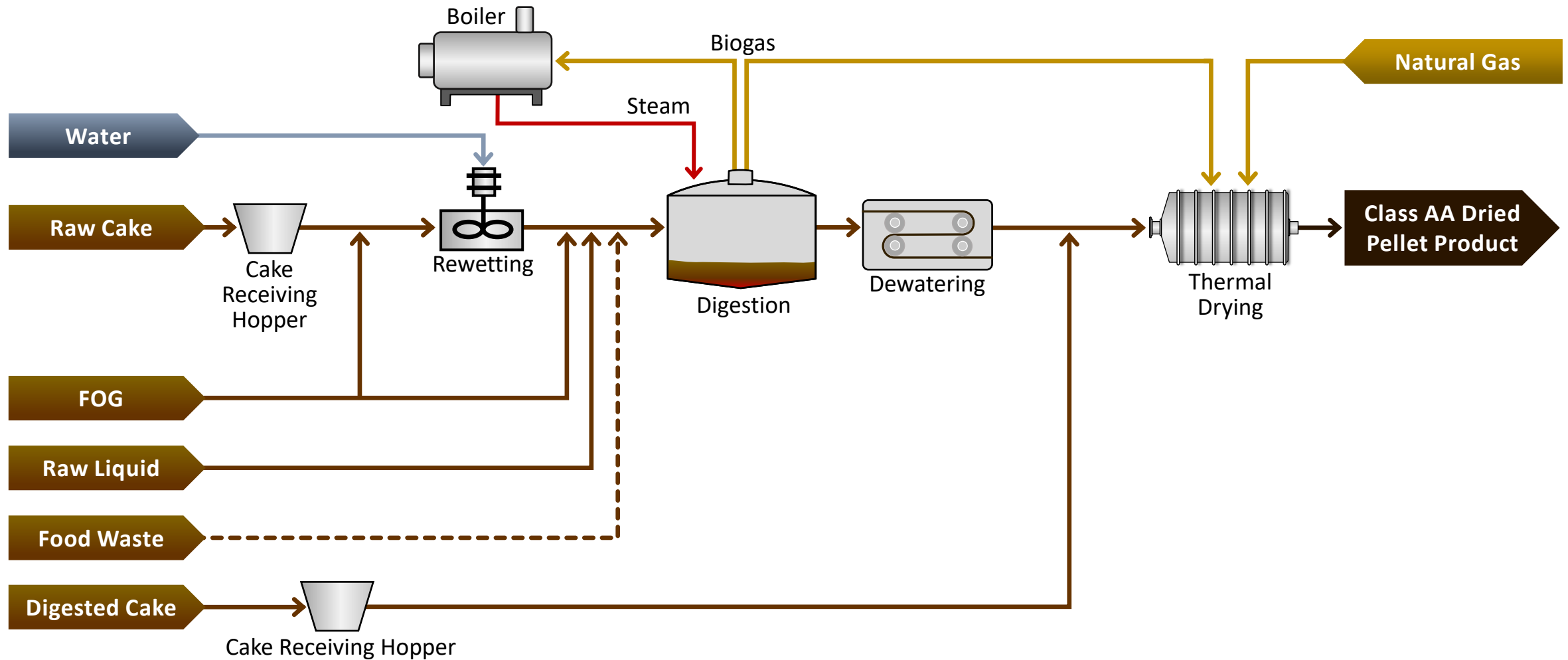
Process Treatment Train Summary



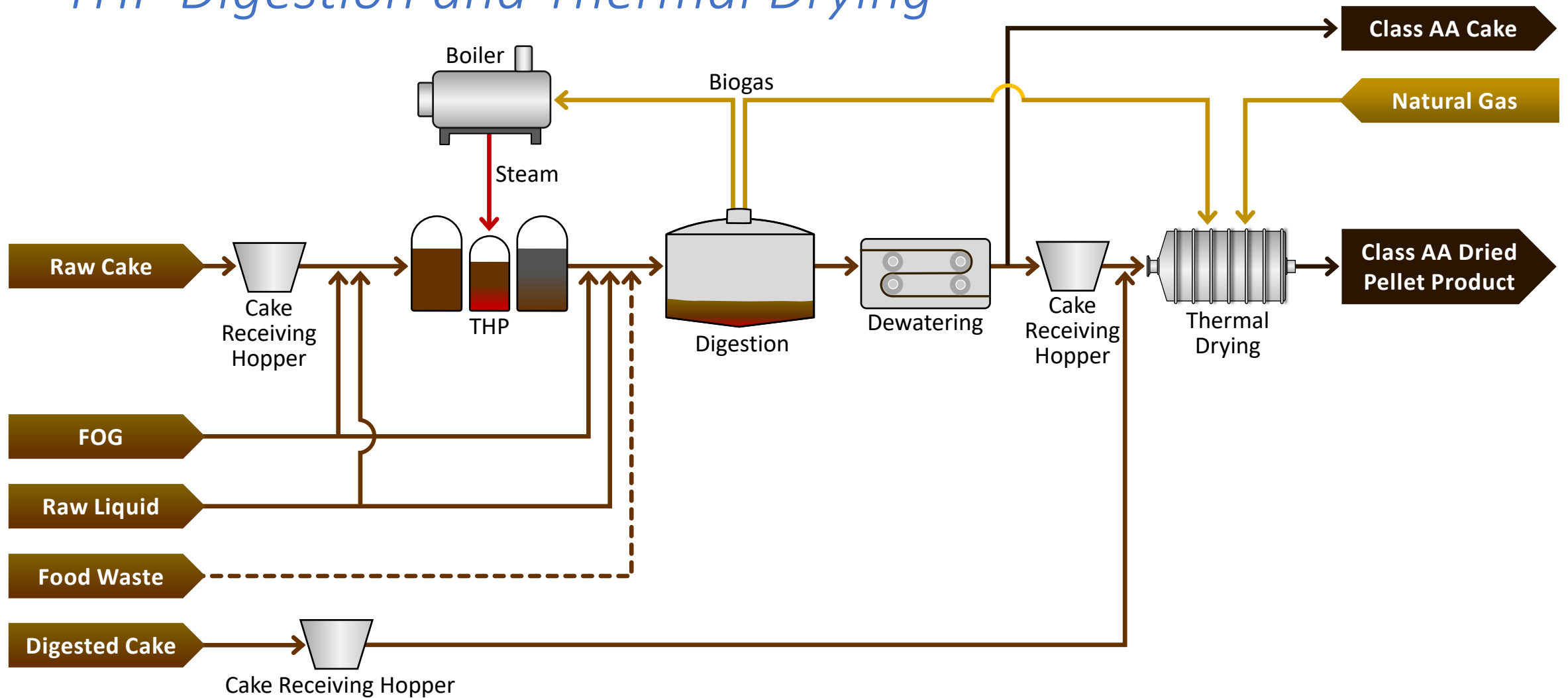
Short Listed Treatment Technologies

- Conventional Digestion and Thermal Drying (baseline scenario)
- THP Digestion and Thermal Drying
- Solar Drying and Pyrolysis
- Solar Drying and Gasification
- THP or Conventional Digestion, Thermal Drying, and Pyrolysis
- THP or Conventional Digestion, Thermal Drying, and Gasification

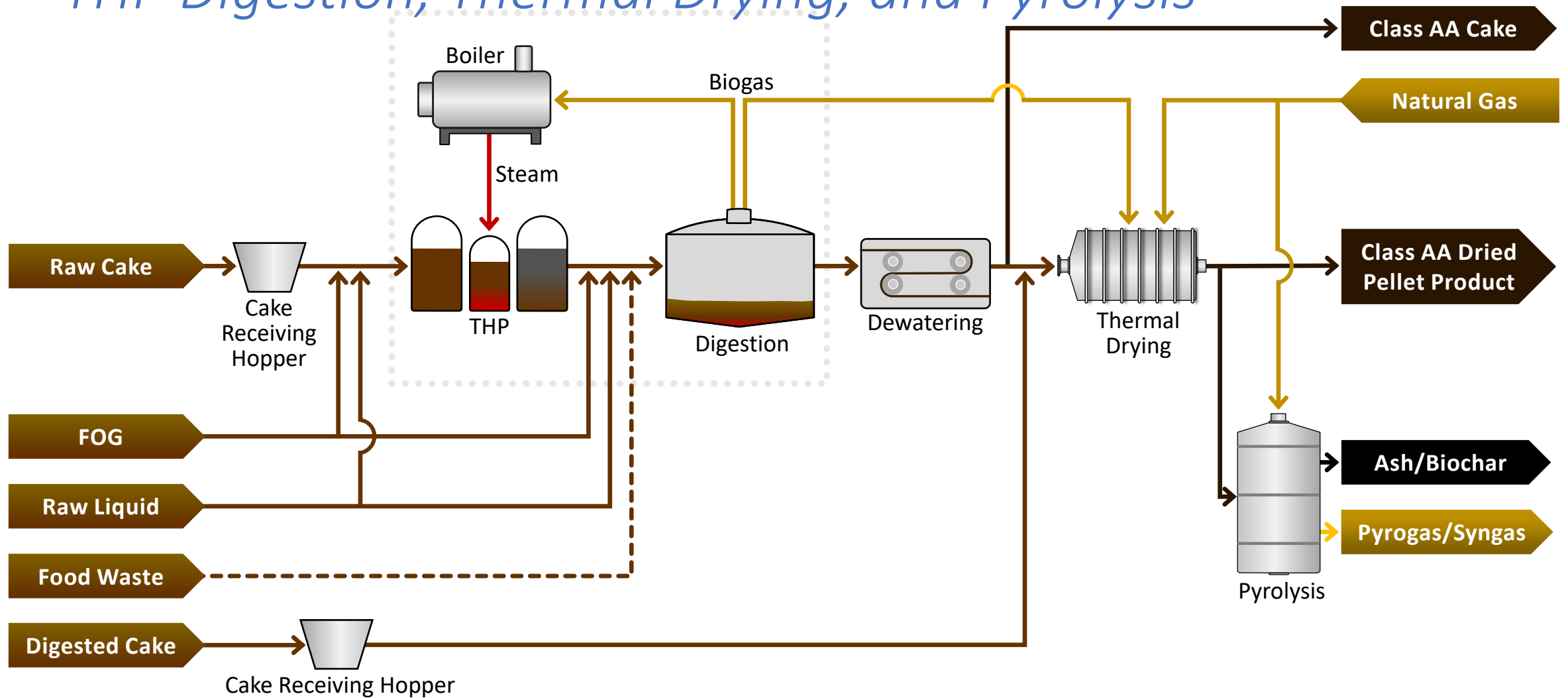
Conventional Digestion and Thermal Drying (Baseline)

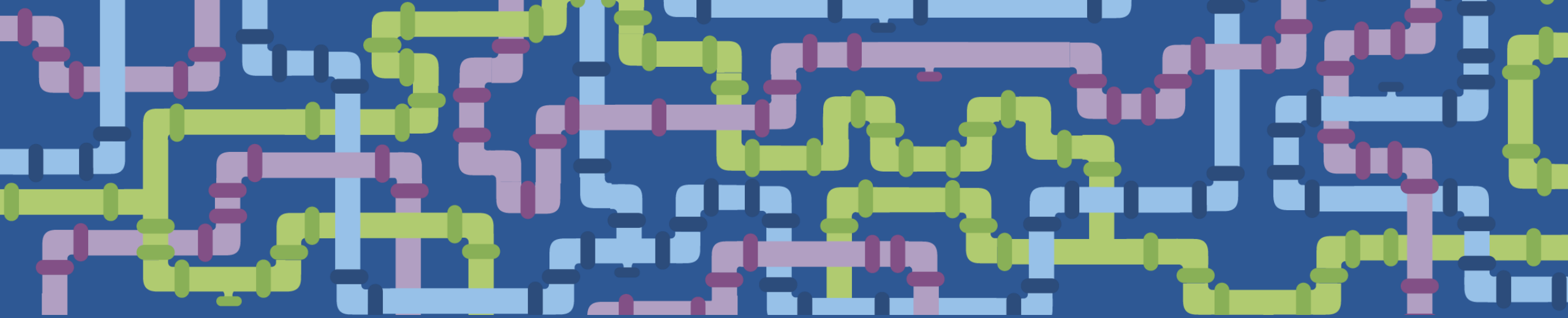


THP Digestion and Thermal Drying



THP Digestion, Thermal Drying, and Pyrolysis





Business Case Evaluation

Financing Options



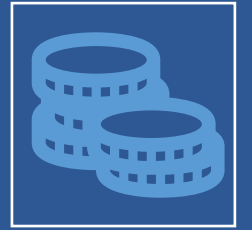
Charges for
Service – User
Fees, Impact
Fees



Traditional
Financing –
Bond Market



WIFIA and State
Loan Programs



Grant Funding

Estimated Total Annual Costs

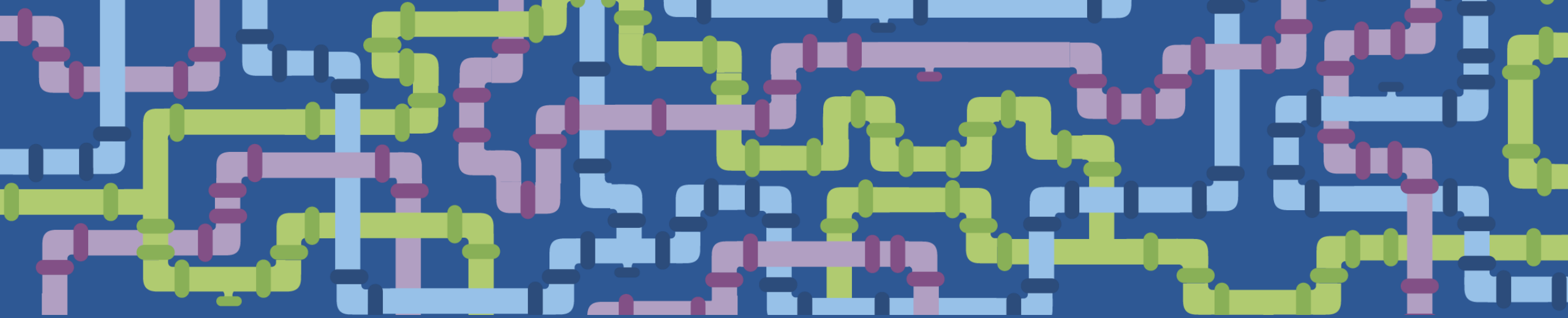


	1A - Conventional and Thermal Drying	1B - THP and Thermal Drying	8 - THP Digestion, Thermal, and Pyrolysis	Current
Operating	\$6,211,000	\$5,567,000	\$5,012,000	
Capital	\$21,961,000	\$20,831,000	\$22,127,000	
Net Annual Costs	\$28,172,000	\$26,398,000	\$27,139,000	
Annual Dry Tonnages	17,000	17,000	17,000	
Unit Cost per Dry Ton	\$1,657	\$1,553	\$1,596	\$630
Clearwater (2,500 dry tons)	\$4,142,941	\$3,882,059	\$3,991,029	\$1,575,000
Clearwater (monthly per household, 52,152)	\$6.60	\$6.19	\$6.36	\$2.52

Estimated Total Annual Costs (w/ 75% Grant)



	1A - Conventional and Thermal Drying	1B - THP and Thermal Drying	8 - THP Digestion, Thermal, and Pyrolysis	Current
Operating	\$6,211,000	\$5,567,000	\$5,012,000	
Capital	\$5,490,250	\$5,207,750	\$5,531,750	
Net Annual Costs	\$11,701,250	\$10,774,750	\$10,543,750	
Annual Dry Tonnages	17,000	17,000	17,000	
Unit Cost per Dry Ton	\$688	\$634	\$620	\$630
Clearwater (2,500 dry tons)	\$1,720,772	\$1,584,522	\$1,550,551	\$1,575,000
Clearwater (monthly per household, 52,152)	\$2.75	\$2.53	\$2.48	\$2.52



Interlocal Agreement

Cost Recovery Considerations



1. Determine Cost Structure

2. Assumed Structure: Fixed and Variable Costs

3. Cost Recovery Options

- a) Variable Rate: Tip Fee Per Wet Ton
- b) Fixed Rate: Capacity Reservation
- c) Carry Cost Rate: Additional Charge for Future
- d) Take or Pay Structure

• Regional Cost Recovery Case Studies

- Tampa Bay Water
- Peace River
- Polk Regional
- City of Orlando

Average
Cost

Vs.

Buy-in
Approach

Interlocal Agreement

- Interlocal Agreement Duration
- Options for Cost Recovery
- Potential Terms and Conditions
- Interlocal Agreement Approval and Execution Process Requirements
- Anticipated Schedule for Draft Interlocal Agreement Development



Questions