

## Municipal Biosolids (Sludge) PFAS Treatment Projects

Last Updated May 22, 2024

Project Name	Project Stage and Status	City	State/ Province	Project Site	Treatment Technology	Vendor
City of Montpelier Dryer and Advanced Treatment Final Design	Unknown Anticipated RFP Summer 2024	Montpelier	VT	Montpelier WRRF	Dryer and Advanced Thermal Treatment	To Be Determined
Aries Taunton Biosolids Gasification Facility	Full Scale Pre-permitting	Taunton	MA	Taunton Landfill	Gasification	Aries Clean Energy
Aries Linden Biosolids Gasification	Full Scale Commissioning	Linden	NJ	Linden Roselle Sewage Authority	Gasification	Aries Clean Energy
Morrisville Biosolids Gasification Project	Demonstration (Full-scale) Commissioned (2019) and Completed (2021)	Morrisville	PA	Morrisville Municipal Authority	Gasification	Ecoremedy LLC
Biosolids and Poultry Manure Processing Facility	Full Scale Commissioning (April 2024)	Bethel Township	PA	Bethel, Pennsylvania Facility	Gasification	Earthcare, LLC
Lebanon Gasification Initiative	Full Scale Operating (2016)	Lebanon	TN	Lebanon WWTP	Gasification	Aries Clean Energy
Carbon Recovery Project	Full Scale Operating (2024)	Edmonds	WA	Edmonds Fluid Lift™ Gasification Project	Gasification	Ecoremedy LLC
Clearwater Road Wastewater Treatment Facility	Full Scale Anticipated Completion 2023	Hershey	PA	Clearwater Road WWTF	Gasification	Ecoremedy LLC
Manchester-by-the-Sea Hydrothermal Carbonization	Pilot Project Unknown	Manchester-by-the-Sea	MA	Manchester By The Sea WRRF	Hydrothermal Carbonization	SoMax
Phoenixville New Energy Optimization Hydrothermal Carbonization Facility (PXVNEO HTC)	Full Scale Commissioning (March 2023)	Phoenixville Borough	PA	Borough of Phoenixville WWTP	Hydrothermal Carbonization	SoMax
Annacis Island Wastewater Treatment Plant (AIWWTP) Hydrothermal Processing Pilot	Pilot Project Anticipated Completion 2025	Delta	BC	Annacis Island WWTP	Hydrothermal Liquefaction	Genifuel Corporation
Silicon Valley Clean Water Authority, Bioforcetech	Demonstration (Full-scale) Operating (2017)	Redwood City	CA	Silicon Valley Clean Water Authority WRRF	Pyrolysis	Bioforcetech
Rialto Bioenergy Facility	Full Scale Commissioned (2020), filed for bankruptcy (May 2023)	Rialto	CA	Regional Facility	Pyrolysis	Anaergia
Saratoga Biochar Solutions LLC, Carbon Fertilizer Manufacturing Facility	Full Scale Permitting	Moreau	NY	Regional biosolids processing facility	Pyrolysis	Saratoga Biochar Solutions
Biowaste Pyrolysis Solutions Facility	Full Scale Commissioning on hold	Schenectady	NY	Schenectady Wastewater Treatment Plant	Pyrolysis	Biowaste Pyrolysis Solutions
Ephrata Borough Authority	Full Scale Anticipated Commissioning 2024	Ephrata	PA	Ephrata Borough Authority WWTP #1	Pyrolysis	Bioforcetech
Clear Creek WWTP	Full Scale Anticipated Completion in 2024	Redding	CA	Clear Creek WWTP	Pyrolysis	Bioforcetech
Brentwood WWTP	Full Scale Anticipated Completion in 2025	Brentwood	CA	Clear Creek WWTP	Pyrolysis	Bioforcetech
OC San and 374Water partnership	Demonstration Project Anticipated completion Fall 2024	Fountain Valley	CA	Orange County Sanitation District WRRF	Super Critical Water Oxidation	374 Water
Breaking the PFAS Cycle with a Full-Scale Demonstration	Pilot Project Anticipated Work Plan completion September 2024, Project Completion June 2026	St. Cloud	MN	St. Cloud Nutrient, Energy and Water Recovery Facility	Super Critical Water Oxidation	374 Water
Orlando Water Reclamation Division (WRD)	Pilot Project Anticipated July 2024	Orlando	FL	Wastewater Treatment Plant	Supercritical Water Oxidation	374 Water
City of Warren WRRF - Solids Management and Energy Recovery Improvement	Full Scale Seeking Funding	Warren	MI	Warren WRRF	Thermal Oxidation	Veolia

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Buffalo Wastewater Treatment Plant	Full Scale Operating (2008)	Buffalo	MN	Buffalo WWTF	Thermal Oxidation	Veolia
City of Cedar Rapids WPCF PFAS Source and Treatability Study	Pilot Project Engineering Procurement	Cedar Rapids	IA	City of Cedar Rapids WPCF	To Be Determined	To Be Determined
Heartland Technology Center - HelioStorm™ Gasifier	Full Scale (Feedstock Validation) Operating	Murfreesboro	TN	Commercial-Scale Gasifier	Ultra-High Temperature Ionic Gasification	Heartland Water Technology
Regional PFAS Treatment Facility	Pilot Scale Planning	Madison	ME	Anson-Madison Sanitary District	Ultra-High Temperature Ionic Gasification	HelioStorm™ Gasifier