



# Overview of ARPA Water Infrastructure Initiatives


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Nov 7th, 2022

Vermont Agency of Natural Resources

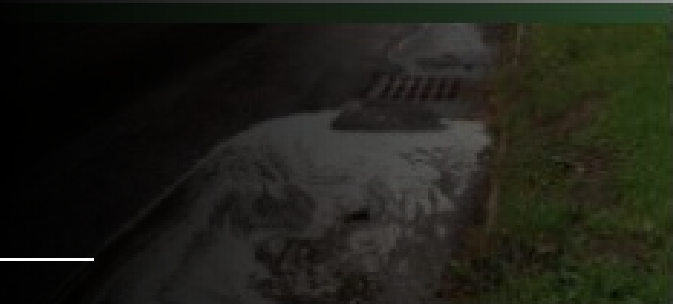
Neil Kamman, Director

Water Investment Division



## Combined Sewer Overflow

Reducing sewer overflows



## 3-Acre Stormwater

Treating stormwater runoff from  
larger sites



## Mobile Home Parks

Improving water and sewer  
infrastructure in mobile home  
parks



## Pretreatment Capacity

Designing and installing  
pretreatment processes to  
address high strength or toxic  
wastewater



## Individual W

Providing  
low-income  
failed sept



## Villa W

Developi  
systems i  
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# A bit about VT, our SRF, and CW Funding Generally

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- SRF “Formula Minimum” State
  - CWSRF 0.49%
  - DWSRF 1.0%
  - Sect. 319 and Sect. 106 formula minimum annual awards
- Pre-BIL IUP \$'s
  - \$98M CW demand
  - \$41M DW demand
- State Clean Water Fund
- Designated Geographic Program (Lake Champlain)
- Some CDS
- Small state – everyone knows everyone, and policymakers are accessible.

# American Rescue Plan Act-VT

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- \$1.026B Investment in COVID Recovery in VT
- Gov. initially identified 5 uses: Economic recovery, broadband, climate, housing, water and sewer infrastructure.
- Tasked Secretary of VT ANR to identify appropriate Water/Sewer Investments.



## ARPA-VT's Considerations

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- Unaffordable projects
- Set the table for economic recovery
- Support additional/affordable housing
- Focus on underserved communities/citizens



# ARPA-VT two-year Appropriations

**\$24.75M**

**\$30M**



## Combined Sewer Overflow

Reducing sewer overflows



## Mobile Home Parks

Improving water and sewer infrastructure in mobile home parks



## Individual Drinking and Wastewater

Providing financial assistance to low-income homeowners with failed septic systems and/or wells

**\$16M**

**\$40.5M**



## 3-Acre Stormwater

Treating stormwater runoff from larger sites



## Pretreatment Capacity

Designing and installing pretreatment processes to address high strength or toxic wastewater

**\$7M**



## Village Drinking & Wastewater

Developing community sewer systems in some of the villages that lack such systems

**\$35M**

# ARPA-VT Programs



**Combined Sewer  
Overflow**

Reducing sewer overflows



**3-Acre Stormwater**

Treating stormwater runoff from  
larger sites



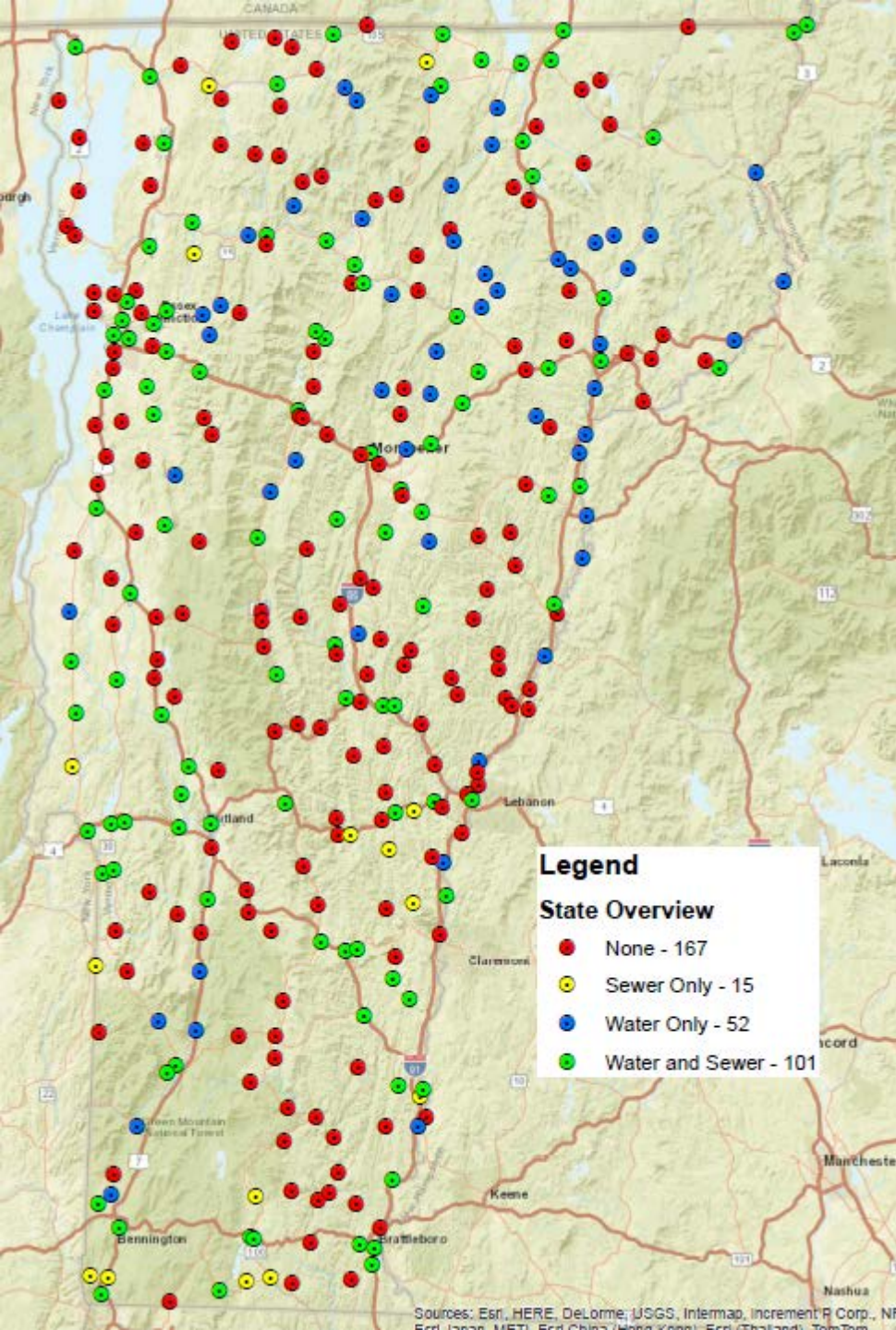
**Pretreatment Capacity**

Designing and installing  
pretreatment processes to  
address high strength or toxic  
wastewater

- CSO
  - Administered thru SRF
  - 15 awards / ~\$30M, \$7.7M award to our lowest MHI city w. greatest CSO need.
- 3-Acre Stormwater
  - VT-CWA Requirement to retrofit 3ac or larger unregulated impervious surfaces to modern SW permit standards
  - Total need \$260M, largely upon individual owners/HoAs
  - ~\$40M to assist all owners to get permitted, and low-income / underserved Vermonters for construction.
- Pretreatment
  - Municipal-private partnerships to reduce influent loads in accordance with PreT program.

# ARPA-VT Village Water Wastewater Initiative

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- VT has many of desirable and developable Village centers, but 167 lack water and sewer. This leads to sprawl.
- VWWW Initiative is a technical assistance program to help small communities build decentralized WW, and develop municipal water.
- Challenging proposition for small-town governance.
- ARPA provides \$35M to advance new decentralized WW or water systems.
  - Twelve projects being advanced
  - \$s are “Last in,” “First-in,” or “Part of the Stack.”
- Partnerships with USDA-RD, Commerce/Community Development Agencies, CDS, others.

# ARPA-VT Healthy Homes-Manufactured Home Communities

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- Significant area of unmet need for DW, WW, SW
- Three program areas
  - Needs Assessments / PERs
  - Tech Assistance and Permitting Assistance
  - Construction awards
- \$13M of \$24.75M in process of being issued – 39 projects.
- Remainder to be awarded based on PERs
- Possibility to leverage “Revenue Replacement”

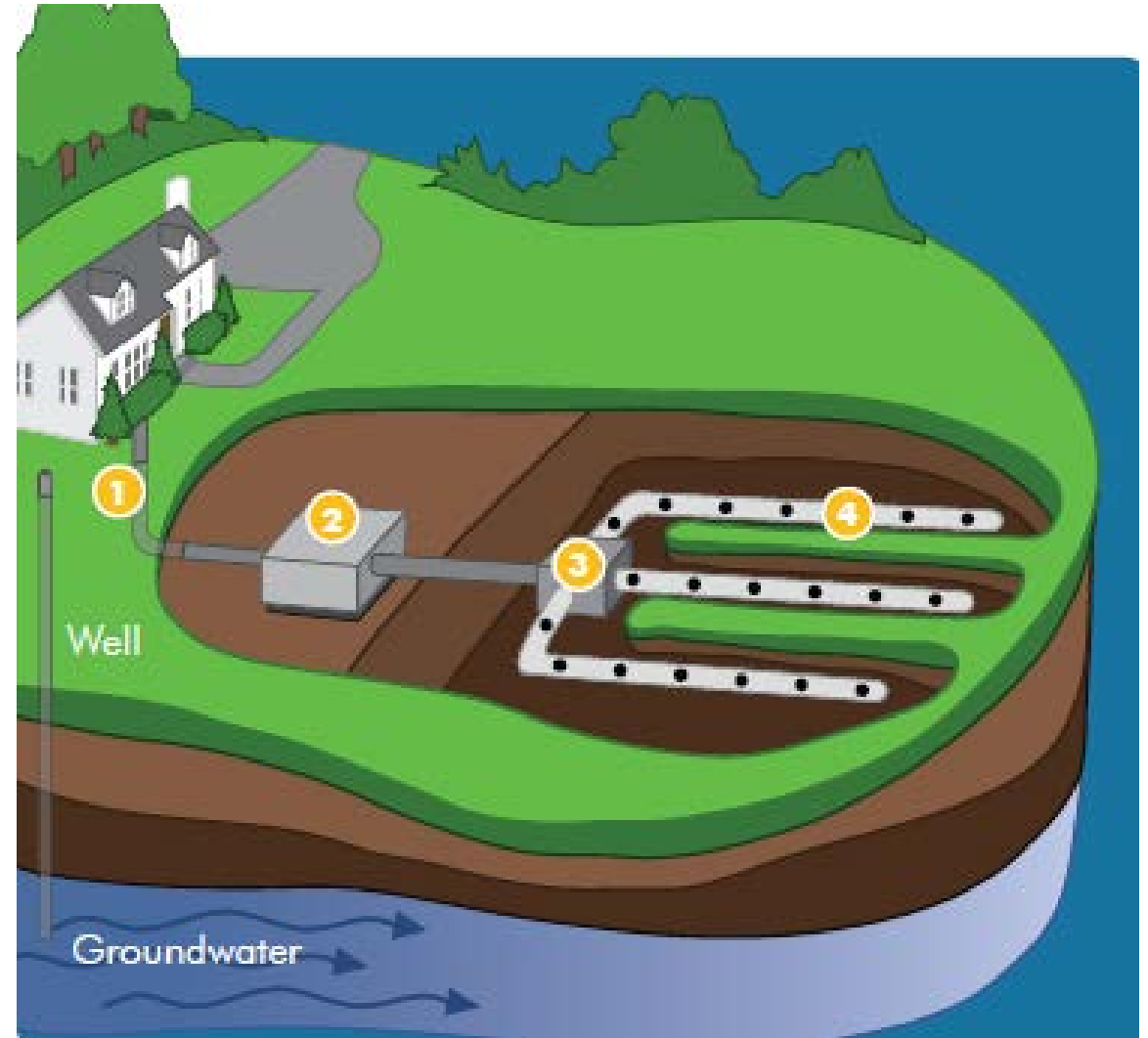




# ARPA-VT Healthy Onsite Water/Wastewater

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- Initiative to assist low-income Vermonters to replace failed septic/wells.
- Initially proposed for \$3M appropriation, ANR vastly underestimated the need.
- After conducting outreach, application period opened in winter 2022
  - Expected: 50-100 applications
  - Observed: 1200 applications (!)
- As a result, Leg. boosted appropriation from \$3M to \$16M
- Expect to assist >500 families.




# ARPA-VT smaller projects:

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- Stormwater: MS4 support
- Wastewater
  - Small facilities serving mostly residential users, at risk of Failure (\$5M SFY23)
- Drinking Water
  - Small systems serving mostly residential users, at risk of Failure (\$5M)
- Partnership with VT League of Cities and Towns to assist disbursement of municipal/county funds.



# To learn more and apply for support:

ARPA Funding	BIL – SRF Funding
<p data-bbox="333 464 993 571"><a href="https://anr.vermont.gov/special-topics/arpa-vermont">https://anr.vermont.gov/special-topics/arpa-vermont</a></p> 	<p data-bbox="1182 464 1847 628"><a href="https://dec.vermont.gov/water-investment/water-financing/srf/intended-use-plans">https://dec.vermont.gov/water-investment/water-financing/srf/intended-use-plans</a></p> 