



# A Few Updates From DEP

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MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

*Protecting Maine's Air, Land and Water*

# Clean Water State Revolving Fund

## Climate Adaptation Plan (CAP)

Incentive to encourage municipalities, wastewater districts, and quasi-municipalities to develop a Climate Adaptation Plan (CAP) for their wastewater treatment system

<http://www.maine.gov/dep/water/grants/srfparag.html>

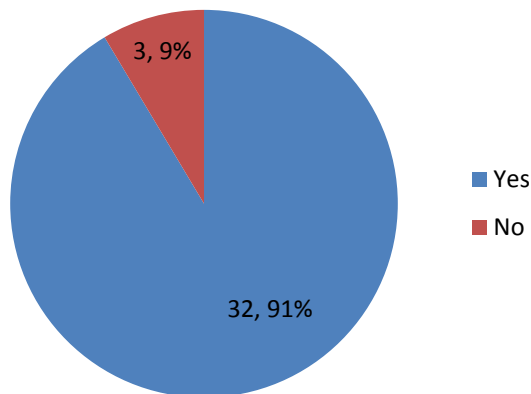
## Goals

- Assess the wastewater treatment system
- Develop a plan for system resiliency
- Insightful and sustainable outcomes



# Some examples in Maine

Have your facility's operations ever been impacted by extreme weather events?



Arranged in order of those highest to least reported in the survey of southern Maine wastewater facilities:

- Heavy precipitation & floods
- Severe storms
- Sea level rise
- Storm surge with sea level rise
- Ocean acidification
- Drought
- Ice storms
- Heavy snowfall
- Stronger winds
- Temperature changes

Survey Questions	Yes	No
Have you made any plans to protect assets from changes in climate?	47%	53%
Is climate adaptation part of the annual budget	0%	100%
Would you ever consider adding climate adaptation to your annual budget?	61%	39%



# Climate Adaptation Plan

*\$20,000 per project in CWSRF loan principal forgiveness*

## Guidance and Requirements:

1. Personnel
  2. Hazards
  3. Impacts
  4. Adaptation practices
  5. Implementation plan
  6. Submit for review
- ✓ Prepared by a licensed engineer
  - ✓ Submitted within one year from the loan closing date

## Since 2015:

- Completed plans for Towns of Brownville and Norway
- Total of \$160,000 in funding has been allotted to eight other communities for Plans.

Applicants Committed	FFY	Status
4	2015	2 complete 2017, 2 pending
2	2016	2 pending
4	2017	4 pending
?	2018	Upcoming Spring
10	3 years	2 complete, 8 pending



# Stream Crossings: Transportation Bond

*Fall of 2017, voter approved bond for stream crossing improvements*

## Competitive grant process

### Eligible project sponsors include:

- Local governments
- Municipal conservation commissions
- Soil and water conservation districts
- Private nonprofit organizations

### Match with local funding

### Projects

- Improve fish and wildlife habitats and increase community safety
  - ✓ Failing culverts and roads continually overtopping
  - ✓ Greatest benefit to wildlife and fish passage
  - ✓ Improved climate resiliency
  - ✓ Improved public safety

### Schedule

- June RFP, Fall award time
- Anticipate multiple opportunities for the request for proposal process over the next few years



# Handouts & Follow Up

- **SRF Climate Adaptation Plan: Guidance and Requirements**  
Brandy Piers, [Brandy.M.Piers@maine.gov](mailto:Brandy.M.Piers@maine.gov) (Wastewater)  
Nathan Robbins, [Nathan.P.Robbins@maine.gov](mailto:Nathan.P.Robbins@maine.gov) (Climate)
- **Stream Crossing Improvements: Bonds & Grants**  
Bill Laflamme, [William.N.Laflamme@maine.gov](mailto:William.N.Laflamme@maine.gov) (Innovation)
- **2016 Disaster Debris Management: Guidance and Form**  
Eric Hamlin, [Eric.P.Hamlin@maine.gov](mailto:Eric.P.Hamlin@maine.gov) (Solid Waste)
- **Climate Webpages: New Site**  
Nathan Robbins, [Nathan.P.Robbins@maine.gov](mailto:Nathan.P.Robbins@maine.gov) (Climate)





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