

C-SIP

C-SIP 5 Climate Smart BMP

Forestry Best Management Practices (BMPs) dedicated to erosion control are proven techniques used to mitigate the impacts of timber harvests on water quality, site productivity, and soil health. The efficacy of BMPs is most pronounced when planned before, and implemented during, harvesting activities. Long-term effectiveness depends on monitoring, vigilant inspection, and adequate maintenance throughout the entirety of the timber harvest and at harvest closeout.



As a climate Stewardship Incentive Practice (C-SIP), landowners and timber harvesters may apply for cost-share funds to assist with the cost of addressing one or all components associated with C-SIP 5.

C-SIP 5 Climate-Smart Best Management Practices for Forest Operations Cost-Share Rates

Component	Cost-Share Rate	Category
5.1: Log-reinforced water bars	\$250 /log-reinforced water bar	Properly constructed and maintained throughout the entirety harvest
5.1: Log-reinforced water bars	\$75 /log-reinforced water bar	Properly constructed for harvest closeout
5.2: Soil stabilization products	Staked Straw bales \$20 /bale Staked Wattle \$150 /wattle	Soil stabilization product(s) during harvesting activities
5.2: Soil stabilization products	Staked Straw bales \$20 /bale Biodegradable Fiber Blanket \$150 /roll Staked Wattle \$150/wattle	Soil stabilization product(s) at harvest closeout
5.3: Seeding disturbed soils	Up to \$30.00 /lb. Seeding rates 20lbs/acre or 2,200 sq ft/pound. Rates should increase if applied just before/during the dormant season. Please consult the BMP Manual for Seeding	Seeding to stabilize soils on disturbed areas and steep slopes $\geq 10\%$ on primary skid roads and stream crossing approaches.
5.4: Climate- Smart BMP Kit	Climate-Smart BMP Kit Includes: Straw bale and stakes at \$20/bale Wattle and stakes at \$150/wattle (max. reimbursement for a kit is \$600)	Soil stabilization measures will be on site before harvesting activities begin for emergency and unanticipated weather events.

Please refer to the [C-SIP Handbook](#) page 23 for a complete list of policies and technical specifications for C-SIP 5

General Policies

- This practice is relevant to all Forest Cutting Plans designated as 'Long-Term'.
- Climate-Smart forestry Best Management Practices (BMPs) must be **applied and sustained both during and after** the harvest to be eligible for C-SIP cost-share reimbursement approval.
- Removal or disturbance of erosion control and/or soil stabilization measures shall not be removed **until the site and soil condition are stabilized or fully vegetated** (if applicable) or otherwise authorized by the DCR Service Forester.
- The use of straw is required for erosion control because straw bales do not contain seed heads and therefore will not transport the seeds from invasive plants from one site to another.
- **No more than two (2) C-SIP 5 applications may be submitted** per “long-term” designated Forest Cutting Plan File Number per Fiscal Year.
- Protecting soil health and water quality is a critical part of natural climate solutions. These Climate-Smart Forestry BMPs are only to be used where an approved Forest Cutting Plan with Long-Term designation has been issued.

Please refer to the [C-SIP Handbook](#) page 23 for a complete list of policies and technical specifications for C-SIP 5

Application Process Overview

Consider which component(s) of C-SIP 5 will be necessary for the harvest site



Download a [C-SIP application](#) from the [DCR Service Forestry website](#)



Use the Forest Cutting Plan Stand Map to identify the location of Climate-Smart BMPs



Develop a C-SIP Work Plan*, which will concisely summarize the work proposed and the project goals



Email your application and relevant documentation, Forest Cutting Plan Stand Map and C-SIP Work Plan to DCR.Forestry@mass.gov

*A sample C-SIP 5 work plan can be found on page 47 of the [C-SIP handbook](#) (www.mass.gov/doc/c-sip-handbook-fiscal-year-2024)



PLEASE NOTE

C-SIP Cost-Share applications will be accepted until the funds are exhausted or May 31, 5:00 P.M. EST each year (whichever comes first).

All approved C-SIP practices must be completed within the same fiscal year that the application was approved.

Contact DCR Service Forestry

Find your district's Service Forester www.mass.gov/doc/foresterdirectory



Sara Wisner
Program Analyst
DCR.Forestry@mass.gov
(857) 408-4154