

From: Moore, Julie
Sent: Friday, May 10, 2024 10:04 AM
To: Elena M. Mihaly (emihaly@clf.org)
Subject: S.259

Thanks, again, for your call this morning. I look forward to seeing any feedback from others you are able to share.

Here is both a link to the social cost of carbon presentation from EPA, as well as a screenshot of the specific slide I referred to:

[The Social Cost of Carbon for Regulatory Impact Analyses \(vermont.gov\)](https://www.vermont.gov)

Scope of Climate Science, Impacts, and Damages Included in the Updated SC-GHG Estimates

Impacts and Associated Damages	
Human Health and Well-being	Buildings, transportation, and infrastructure
Heat and cold related mortality	Sea level rise
Mortality/morbidity from extreme weather events (e.g., storms, wildfire, flooding), and sea level rise	Intensity or frequency of coastal storms
Mortality/morbidity from climate mediated changes in the formation of criteria air pollutants (e.g., ozone, PM2.5)	Extreme weather inland (e.g., storms, wildfire, flooding)
Infectious diseases	Environmental conditions (e.g., melting permafrost, air temperature and moisture)
Other morbidity (e.g., malnutrition, allergies)	Food production
Displacement and migration	Agriculture/Crop production
Labor	Animal and livestock health and productivity
Labor supply (i.e., hours worked)	Fisheries and aquaculture production
Labor productivity (i.e., output per hour worked)	Forestry- Timber, pulp, and paper production
Energy	Tourism, recreation, aesthetics
Energy consumption (e.g., heating, cooling)	Visitation, locations, opportunities (e.g., recreational fishing, skiing, scuba diving, scenic views)
Energy production and provision (e.g., hydroelectric, thermal power generation)	Ecosystem services
Water	Availability and quality of natural capital used in production of marketable goods
Water consumption (residential, industrial, commercial)	Biodiversity and wildlife habitat (e.g., aquatic environments, breeding grounds)
Provision of safe drinking water	Other provisioning and regulating services (e.g., water filtration, wildfire and flood mitigation, medicinal resources, pest control, pollination)
Water storage and distribution	Cultural services
Land	Crime (property, violent)
Coastal land loss from sea level rise	National Security
Trade and logistics	Military base impacts
Supply chain disruption (e.g., from extreme weather)	Military mission impacts from international civil conflict
Supply chain transitions (e.g., altering trade routes)	International development, humanitarian assistance

Source: EPA (2023).



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The Agency of Natural Resources supports telework and there are times when I may be working from another location. I am generally available to connect by phone and email during business hours. I am also available to meet in-person upon request.

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Impacted Vermonters can find resources and referrals by visiting Vermont.Gov/Flood.

