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| **From:** | Lisa Hoag |
| **To:** | SMART, DOER (ENE) |
| **Subject:** | SMART Program solar comment -DO NOT CLEARCUT MATURE FORESTS TO ERECT UTILITY SCALE SOLAR ARRAYS THAT ONLY LAST 20 YEARS |
| **Date:** | Friday, September 27, 2019 7:23:11 PM |

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To Whom it May Concern,
DO NOT CUT DOWN TREES AND MATURE FORESTS to erect utility scale solar arrays. If you do this with no carbon impact analysis, you will be breaking the law.* Mature forests are the only factor producing negative carbon on a planet-wide scale large enough to revere climate change in the 12 years we've been given. Trees absorb 30% of the 9.4 gigatons of carbon humans create each year. Half of that carbon is sequestered in the 1% biggest diameter trees in every forest. Forests have the capacity to double or triple their carbon sequestration if mature forests are protected. Trees roughly double how much carbon they sequester every 50 years. A white pine or an oak can sequester a half ton of carbon in the first 50 years, then 1 ton from 50-100, 2 tons from 100-150, 4 tons from 150-200, 8 tons from 200-250 and so on, until the tree reaches middle to late age, which is several hundreds of years.:
Intact Forests in the United States: Proforestation Mitigates Climate Change and Serves the Greatest Good
https://urldefense.proofpoint.com/v2/url?u=https-3A__www.frontiersin.org_articles_10.3389_ffgc.2019.00027_full&d=DwIBaQ&c=lDF7oMaPKXpkYvev9V-fVahWL0QWnGCCAfCDz1Bns_w&r=NDJIch6FeyalLtsMSay213J5uQUX3SWvWcJ_yBYjNCM&m=-RJpOZRz6mgnZI5A7qqkj8VnbI5CJfExneCCTH3KBqU&s=PpS4lZnqabgGUXPu1Pm-2rm8NoWvrG7IZQOzyzQ78cM&e=

IF YOU CUT 100 YEAR OLD TREES DOWN, IT WILL TAKE A HUNDRED PLUS YEARS FOR THEM TO GROW BACK!!!! WE only have 12 years to reverse climate collapse. In the last 10 years an area the size of Spain has been deforested. Deforestation is accelerating. In the last 5 years, the entire Southeastern US was deforested. It is now the most deforested place in the world, exceeding the Amazon. Now the Northeastern Forests and the Boreal Forest are mission critical to reverse climate change. Cooler forests sequester more carbon.

Furthermore, if you don't do a carbon emissions analysis on your agency's activities, such as CUTTING DOWN MATURE FORESTS that could accelerate carbon sequestration for hundreds of years, and replace it with a utility scale solar array that will only last 20 years, you will be BREAKING THE LAW - specifically the *Global Warming Solutions Act, which all Massachusetts Commonwealth Agencies MUST!!! comply with, by which you MUST create a carbon analysis of your activities.

Furthermore, the Renewable Energy Charge, and the Renewable Energy Trust was meant to help everyday folks afford to put solar panels on their houses. It was never intended to devastate farms and fields for corporate gain, by putting hideous ecologically devastating industrial scale solar factories on once pristine land. As a sovereign Inhabitant of Massachusetts, as per the Massachusetts Constitution articles 4 and 5, in which we have the exclusive right of governing ourselves, and whereby our substitutes and agents in MAssachusetts Government are ATA LL TIMES accountable to us, this is my firm irrevocable direction and

and guidance to my public servants at DOER. End the corruption. You are mandated to serve the people, not corporate interests, as per article 7 of the Massachusetts Constitution. If you continue to deforest our state for utitlity scale solar, you will be willfully and knowingly in a state of malfeasance. This is your notice and your caution to cease and desist all corrupt activities, as defined in this statement.

What will you tell your children and your grandchildren that YOU DID, when the future of their planet was about to collapse?

Sincerely,
Lisa Hoag
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