

Visual	Audio	Backup
<p>News footage in a TV. Algae blooms. Floods.</p>	<p>VO: We see it every day in Michigan. Climate change, having real effects.</p>	<p><b>Climate change is already causing more extreme storms, floods, and heat waves in Michigan.</b> According to the National Climate Assessment’s analysis of climate change impacts in the Midwest, “The frequency of major heat waves in the Midwest has increased over the last six decades. ... Extreme rainfall events and flooding have increased during the last century, and these trends are expected to continue, causing erosion, declining water quality, and negative impacts on transportation, agriculture, human health, and infrastructure.” [<a href="#">National Climate Assessment, Midwest Region</a>]</p> <p><b>Climate change is already impacting the water quality in the Great Lakes.</b> According to the National Climate Assessment: “The Great Lakes, North America’s largest freshwater feature, have recently recorded higher water temperatures and less ice cover as a result of changes in regional climate. ... Higher temperatures, increases in precipitation, and lengthened growing seasons favor production of blue-green and toxic algae that can harm fish, water quality, habitats, and aesthetics, and could heighten the impact of invasive species already present.” The assessment further noted: “As surface area has been increasingly converted to impervious surfaces (such as asphalt) and extreme precipitation events have intensified, combined sewer overflow has degraded water quality, a phenomenon expected to continue to worsen with increased urbanization and climate change. ... The Great Lakes, which provide drinking water to more than 40 million people and are home to more than 500 beaches, have been subject to recent sewage overflows. ... One study estimated that increased storm events will lead to an increase of up to 120% in combined sewer overflows into Lake Michigan by 2100 under a very high emissions scenario (A1FI), leading to additional human health issues and beach closures.” [<a href="#">National Climate Assessment, Midwest Region</a>]</p> <p><b>Climate change has made Michigan cherry, apple, peach and grape crops more vulnerable to devastating freezes.</b> The PBS Newshour reported, “2012 has been the worst year in recorded history for Michigan fruit. Statewide, more than 90 percent of the tart cherry crop was lost when freezing weather followed an unusually warm spring. ... The cold snaps killed not only cherries, but also juice grapes, peaches,</p>

		<p>and apples. Losses across the state are estimated at \$210 million. ... And while these years were particularly extreme, the trend gives state climatologist Jeff Andresen cause for concern. ‘We know from our climate records that our seasonal warm-up is beginning an average of a week and a half earlier than it did just 30 years ago.’ Andresen said. ‘We also have very, very strong evidence that the number of freeze events following the beginning of development for these tree fruit crops has increased. So there’s a longer time frame where that crop is vulnerable to those spring freezes than used to be the case 30, 40, 50 years ago.’ That translates to more risk overall for the cherry grower and for the industry, he adds.” <a href="#">[PBS Newshour, 8/16/12]</a></p>
<p>Land in another TV, shrugging.</p> <p>Super: <b>Terri Lynn Land</b></p> <p>Source:  <b>WashingtonPost.com, 5/12/14</b></p>	<p>So why is Terri Lynn Land still ignoring the science?</p>	<p><b><u>Land disagrees with Peters and Steyer on the extent to which human activities are causing climate change:</u></b></p> <p><b>Land “does not agree” with Peters and Steyer “on the extent of the effect of human behavior on our climate.”</b> The Washington Post’s Greg Sargent reported that when he asked Land spokesperson Heather Swift whether Land believes that humans have significantly contributed to climate change, Swift responded, “Terri believes that there should be a healthy and educated debate on the impact of human activity on our environment, but she does not agree with radical liberals like Tom Steyer and Congressman Peters on the extent of the effect of human behavior on our climate.” <a href="#">[WashingtonPost.com, 5/12/14]</a></p> <p><b>Land spokeswoman: “Some” of changes to the climate “could be” caused by humans.</b> The Detroit News quoted Land campaign spokeswoman Heather Swift as saying, “Is climate change real? Absolutely. Could some of it be the fault of humans? It could be. ... But every time Congressman Peters votes to kill one more source of affordable and available energy, he is telling a struggling Michigan family to go without a good-paying job.” <a href="#">[Detroit News, 5/22/14]</a></p> <p><b>Criticized by Peters as a climate denier, Land released statement claiming “climate change is absolutely a reality” – but didn’t address human impact.</b> As the Washington Post’s Greg Sargent noted, “On the same day her Dem opponent attacked her as a climate denier, Terri Lynn Land, the GOP Senate candidate in Michigan, quickly rushed out a statement claiming that</p>

‘climate change is absolutely a reality.’ Land’s statement, however, didn’t take a position on whether it is caused by human activity.” Land’s statement read, in part: “There is no doubt President Obama’s EPA regulations raise energy prices and cost jobs. ... Climate change is absolutely a reality and we must continue our work to protect the environment but this is not the right plan to implement in the middle of our Michigan comeback.” [[WashingtonPost.com](#), 6/5/14; [Land campaign press release](#), 6/4/14]

**Land said there “is no denying that the climate is changing,” but dodged question of human role.**

Politico reported, “As for her own views, Land wrote that there ‘is no denying that the climate is changing and we must take measures to protect the environment.’ When asked how much of that change is caused by humans, Land spokeswoman Heather Swift said in an email that ‘Terri believes we need to keep an eye on it; but she doesn’t believe we should put a meter on the business end of a cow, like the EPA does.’ Land’s campaign told The Washington Post in May that she doesn’t agree with Peters ‘on the extent of the effect of human behavior on our climate.’” [[Politico](#), 8/28/14]

**But Peters and Steyer have the same position as NASA and the vast majority of climate change scientists:**

**Gary Peters: “I think the science shows overwhelmingly that human activities have contributed a great deal towards climate change.”** [[WashingtonPost.com](#), 5/12/14]

**Tom Steyer: “The debate on climate change is settled: it is here, it is human-caused, and it is already having a devastating impact on our communities.”** [[Bloomberg](#), 5/22/14]

**NASA: Most climate scientists agree humans are the “main cause” of climate change.** According to NASA, “Most climate scientists agree the main cause of the current global warming trend is human expansion of the ‘greenhouse effect’ -- warming that results when the atmosphere traps heat radiating from Earth toward space.” [NASA, [Causes of Climate Change](#)]

		<p><b>IPCC: Climate scientists are now 95-100% certain that humans are the “dominant cause” of global warming.</b> According to the latest report by the Intergovernmental Panel on Climate Change (IPCC), “It is extremely likely that human influence has been the dominant cause of the observed warming since the mid-20th century.” The report defines “extremely likely” as having 95-100% confidence. <a href="#">[Intergovernmental Panel on Climate Change, Fifth Assessment Report: Climate Change 2013]</a></p> <p><b>Ninety-seven percent of scientists agree that human activities are causing the planet to warm.</b> The Washington Post reported, “A new study confirms there is strong scientific consensus that human activities are causing the planet to warm. 97 percent of scientific papers (that take a stance on the issue) agree, the study finds.” <a href="#">[Washington Post, 5/17/13]</a></p>
<p>Land talking on another TV. Dollars fall behind her.</p>	<p>She’s got her reasons. Over six million of them.</p>	
<p>On another TV, Land puts head down. Koch brothers fade in behind her. Dollars fall behind them.</p> <p>Super:  <b>Koch. Land. \$6+ million</b></p> <p>Source: <b>Detroit News, 7/18/14; Michigan Campaign Finance Network, 7/1/14</b></p>	<p>From the Koch Brothers front groups backing her campaign.</p>	<p><b>Koch-backed Americans for Prosperity has spent \$6 million attacking Gary Peters.</b> The Detroit News reported, “Americans for Prosperity, a conservative group funded in part by the Koch brothers, has spent \$6 million to date in Michigan’s Senate race attacking Peters, largely for voting for the Affordable Care Act.” <a href="#">[Detroit News, 7/18/14]</a></p> <p><b>Detroit News: Koch-backed AFP “has spent the most of any single group” in the MI Senate race.</b> The Detroit News reported, “Americans for Prosperity, a conservative group funded in part by billionaire industrialists Charles and David Koch, has spent the most of any single group, pouring \$4.34 million into a campaign aimed at criticizing Peters’ support for President Barack Obama’s health care law. The group doesn’t plan to let up on Peters, AFP state director Scott Hagerstrom said Tuesday.” <a href="#">[Detroit News, 7/2/14]</a></p> <p><b>Koch-backed Freedom Partners also spent more than \$500,000 on ads attacking Peters.</b> According to the Michigan Campaign Finance Network, Freedom Partners Chamber of Commerce, an outside group “associated with the Koch brothers’ political fundraising gatherings,” spent \$576,516 on ads attacking Peters. The Sunlight Foundation similarly reported that “Freedom Partners ran ads in April skewering Democrat Gary Peters for his Obamacare</p>

		<p>vote.” Additionally, Politico reported that Freedom Partners had “booked about \$1.1 million in Michigan airtime” before abruptly cancelling it. [<a href="#">Michigan Campaign Finance Network</a>, 7/1/14; <a href="#">Sunlight Foundation</a>, 8/13/14; <a href="#">Politico</a>, 8/12/14]</p> <p><b>Land has taken \$10,000 in campaign contributions from Koch Industries.</b> [<a href="#">Center for Responsive Politics</a>]</p> <p><b>The Koch brothers have been major funders of climate change denial.</b> As the Union of Concerned Scientists has noted, “Many [global warming skeptic organizations] have received large donations from foundations established, and supported, by the fossil fuel billionaire Koch brothers.” Similarly, in an article on “Global Warming’s Denier Elite,” Rolling Stone reported, “With a combined worth estimated in the tens of billions of dollars, the super-conservative industrial magnates with vast holdings in the energy industry are major funders of climate-change skepticism.” [<a href="#">Union of Concerned Scientists</a>, 8/16/13; <a href="#">Rolling Stone</a>, 9/12/13]</p>
<p>Smokestack layers on, smoke pours out</p> <p><b>Super: Land: Let Polluters Pollute</b></p> <p><b>Source: Land campaign press release, 6/2/14</b></p>	<p>So polluters can keep dumping carbon pollution into our air. With no limits.</p>	<p><b>Land blasted EPA carbon pollution standards as “an enormous regulatory attack on coal” that is part of President Obama’s “War on Michigan.”</b> In a press release posted on her campaign website, Land stated: “Today, President Obama released an enormous regulatory attack on coal, which produces 54% of Michigan’s electricity. This rule could cost us 224,000 American jobs, shrink our economy by \$50 billion a year, and increase monthly electric bills for families and manufacturers for the next 15 years. Experts have only just begun to dive into this giant and costly regulation, but the one thing that is clear is that President Obama is continuing to advance his ‘War on Michigan.’ I will fight this proposal at every turn in the U.S. Senate and call on Congressman Peters to oppose these regulations instead of selling out Michigan jobs for his radical environmental agenda and the support of the California billionaire who is bankrolling his campaign.” [<a href="#">TerriLynnLand.com</a>, 6/2/14]</p> <p><b>Koch-backed Americans for Prosperity declared opposition to EPA’s Clean Power Plan.</b> In a press release, Americans for Prosperity President Tim Phillips stated: “Once again the Obama Administration is putting its own global-warming ideology ahead of the interests of hardworking taxpayers. These proposed EPA rules will lead to higher energy bills for</p>

		<p>families, lost jobs, and diminished economic growth. ... The new EPA regulations are a lose-lose. Americans can't afford more Obama regulations fueled by ideology." [<a href="#">Americans for Prosperity press release</a>, 6/2/14]</p> <p><b>Kochs' Americans for Prosperity planned demonstrations opposing EPA's carbon pollution standards.</b> The New York Times reported, "Americans for Prosperity, the Tea Party group backed by Koch Industries, the Kansas conglomerate run by Charles G. and David H. Koch, is planning demonstrations outside the [EPA] hearings to protest the regulation aimed at coal-fired power plants." [<a href="#">New York Times</a>, 7/29/14]</p> <p><b>Koch-funded group announced plans to attack EPA proposal, former Koch lobbyist promised "a big fight, when they roll out the rule for existing plants."</b> The New York Times reported, "A coalition of industry lobbies and political advocacy groups are also planning to fight the rules. The American Energy Alliance, which receives funding from Koch Industries, the oil refining conglomerate owned by the billionaire brothers Charles and David Koch, plans to attack the proposal in television and radio ads. 'That's going to be a big fight, when they roll out the rule for existing plants,' said Tom Pyle, president of the group and a former lobbyist for Koch Industries. 'We'll be ready for them.'" [<a href="#">New York Times</a>, 2/4/14]</p> <p><b>There are currently no national limits on carbon pollution.</b> The EPA noted, "While there are limits in place for the level of arsenic, mercury, sulfur dioxide, nitrogen oxides, and particle pollution that power plants can emit, there are currently no national limits on carbon pollution levels." [<a href="#">Environmental Protection Agency press release</a>, 6/2/14]</p> <p><b>EPA: Combustion of fossil fuels to generate electricity is the "largest single source" of CO2 emissions in U.S.</b> According to the EPA, "The combustion of fossil fuels to generate electricity is the largest single source of CO2 emissions in the nation, accounting for about 38% of total U.S. CO2 emissions and 31% of total U.S. greenhouse gas emissions in 2012." [Environmental Protection Agency, Overview of Greenhouse Gases, accessed <a href="#">7/14/14</a>]</p>
Scene goes static, and then Land's ad flickers on.		

LCV  
Terri Lynn Land – “Koch Land 2”  
8/22/14

Land drinks Super: <b>Terri Lynn Land</b>	Can we really trust Terri Lynn Land to do what’s right for Michigan?	
Land dramatically shakes head Super: <b>Terri Lynn Land Not for Michigan.</b>		
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