

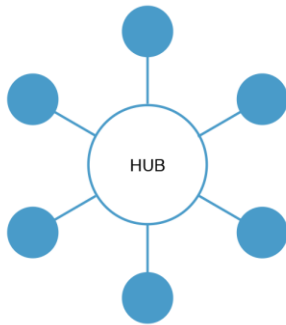


**Please THANK Governor Walz for establishing the Climate Change Subcabinet!**

<https://mn.gov/governor/contact/>

Dear Governor Walz - **Thank you** for signing [Executive Order 19-37](#) establishing the **Climate Change Subcabinet** and **Governor’s Advisory Council on Climate** to catch up MN in achieving our climate goals!

Governor Walz please ask your Climate Change subcabinet to **coordinate with the MN Environmental Partnership** and other energy, climate and equity coalitions to **strengthen collaboration** and **mutual accountability for implementation** between **state agencies, NGOs, U of MN and Regions/Cities**



Organize the **Advisory Council on Climate** using a **hub and spoke model** with representatives maintaining ongoing communication and engagement with additional interested stakeholders and coalitions across MN including

- **Climate Sub Cabinet, EQB & One MN Equity Council (19-1)**
- **University of MN Centers**, Researchers and Regional Sustainable Development Partnerships
- **Nonprofits covering all GHG emissions categories**, energy, buildings, transportation, agriculture
- **Communities & Regions** – Met Council, MPOs, Regional Development Commissions, Cities, towns

Create **topic-specific work groups to cover all major sources of emissions**

Together state agencies, NGOs, U of MN, Met Council, Regional Development Commissions can then

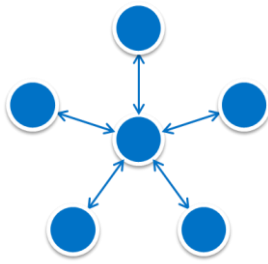
- **Co-develop action strategies** (administrative, legislative, local government, business) with the Climate Subcabinet their Dec 2020 report
- **Establish structures & communication methods to maintain mutual accountability for implementation** for our statewide climate action plan among State Agencies, NGOS, U of MN, the Met Council and Regional Development Councils

**Governor Walz please instruct your Climate Change subcabinet to develop for their Dec 2020 annual report**

- **Pathways to achieve our MN (2007) & U.N. (2018) climate goals** (50% by 2030 and 100% by 2050)
- **Responsible parties and timelines for implementing each strategy** and methods to maintain mutual accountability for implementation.
- **High impact strategies** covering
  - **All emissions sources** – electricity supply, buildings, transportation/land use, adaptation/resilience, sequestration/agriculture/forestry/peat, consumption/resource recovery
  - **All levels of action** - state agencies, legislative, rulemaking, cities regions, business, individuals
- **Strategies to advance racial equity** synching up with **Executive order 19-1** One MN Equity Council – to expand equitable access to new opportunities and to mitigate risks
- **Strategies to advance Geographic equity** by working with the Met Council, EQB, MPCA, RSDSDs to **develop menus of high-impact policies/projects for cities, towns & regions**

**Background - Walz announces climate change subcabinet (Star Trib Dec 3, 2019) [Star Tribune](#) [MPR News](#)**

**Recommendations and Best Practices for Implementing Executive Order 19-37  
establishing the Climate Change Subcabinet and Governor’s Advisory Council on Climate Change**



**CREATE A HUB AND SPOKE STRUCTURE**

with **TOPIC SPECIFIC WORK TEAMS**  
& **ONGOING ENGAGEMENT**

Bring together insights and experience of State Agencies, U of MN,  
NGOs, Regions & Communities  
ENABLE COLLABORATION in action planning and transparency and  
accountability in implementation

	<b>Energy Supply</b>	<b>Buildings</b>	<b>Transportation Land Use</b>	<b>Resilience Adaptation Sequestration</b>	<b>Economic Opportunity</b> Equity Racial & geographic
<b>Subcabinet</b>					
	Commerce, MN PUC, MPCA, etc.	Commerce, Admin, MPCA, Labor/Industry	MPCA, MNDOT, MDH, etc.	MDA, DNR, MPCA, BWSR, etc.	DEED, MPCA Commerce, RDCs Met Council
<b>Advisory Council</b> – each member would take responsibility to coordinate with other coalitions, NGOs, etc.					
<b>U of MN</b> 2 reps?	IonE, Energy Transition, CERTS	CSBR, CERTS	CTS, MN Design Center, CHSC	Forever Green, St. Paul Campus	HHH, CURA, Carlson School
<b>NGOs</b> 3 reps?	Fresh Energy MCEA, MNSEIA Sierra, MN CUB	CEE, GPI, Fresh Energy, etc.	GPI, Move MN, AforS, Move Mpls	LSP, TPL, GPI, etc.	Growth & Justice One MN, BIPOC Table, etc.
<b>Regions/Cities</b> 2 reps? RDCs, LMC, RCCC					
<b>Equity, youth, Tribes</b> 3 reps?					
<b>Sectors</b> 2 reps? Ag, Utilities, etc.					

**Key Actions for Implementing Executive Order 19-37 establishing the Climate Change  
Subcabinet and Governor’s Advisory Council on Climate Change and Annual Reports**

	<p><b>Update and launch implementation of our MN Economy-Wide Climate Action Plan</b> - Direct the Climate Change subcabinet and Climate Advisory Council to work with the EQB, UMN, RSDCs &amp; NGOS to build upon our previous state-wide climate action plans <a href="#">MCCAG 2009</a> and <b>update</b> <a href="#">CSEO 2016</a> &amp; launch implementation of a current (2020) <b>statewide climate action plan</b> that includes (when appropriate) specific <b>action steps</b>, <b>responsible parties</b> and <b>target dates</b> to meet our <b>MN economy-wide climate goals on time</b> (2007 Next Gen Energy Act)</p>
--	--

- **Work with external partners** (NGOs, U of MN, RPOs, RDCs, local governments, tribes, businesses, etc.)
- **Develop and launch implementation of a current (2020) economy-wide climate action plan for Minnesota** that includes specific **action steps**, **responsible parties** and **implementation dates**.
- **Recommend ways to achieve the 2018 U.N. GHG reduction timelines** (40% by 2030, 100% by 2050.)

- **Cover climate mitigation, sequestration and adaptation**
- **Cover all sources - electricity, buildings, transportation/land use/VMT, agriculture, forestry/ peat/ lakes, consumption/resource recovery**
- **Highlight shovel ready actions for state agencies** expanding upon Executive Order 19-25 (in-house reductions) to address economy-wide GHG emissions through the rulemaking and permitting authorities of state agencies and Public Utilities Commission.
- **Build in Racial & Geographic equity** synching up with **Executive order 19-1** One MN Equity Council to develop and implement these strategies to achieve **economy-wide GHG emissions reductions** to meet our MN climate goals on time while strengthening equitable economic opportunities and local resilience in communities state-wide.
- **Coordinate with the University of MN Institute on the Environment's the current** work plan to do a landscape analysis and then fill key research gaps to enable Minnesota to develop state-wide action plans for MN to become carbon neutral, maintain sustainable landscapes & achieve clean water goals.
- **Add high-impact policies/projects for cities and towns** with the Met Council, EQB, MPCA, RSDSDs. Use existing resources to compile **sample strategy maps for cities of different sizes and types to achieve our state Green House Gas reduction goals on time.** Work with the Met Council, GreenStep Cities, the MPOs in Duluth, St. Cloud and Rochester and the Seven Regional Development Commissions to create sample strategy maps for MN cities and counties to achieve low-carbon electricity, buildings, transportation and agriculture while advancing equity and local resilience. Build upon MN Green Step City best practices and the LoGoPep low carbon electricity and buildings scenario planning tools and the new transportation/VMT scenario planning tool being developed by the U of MN Sustainable Healthy Cities Network for the Met Council.
  - Local strategy maps will recommend high-impact ordinances, policies and programs with local, tested examples and implementation resources.
  - Providing cities updated example high-impact ordinances and policies will also fulfill the Minnesota Statutes, 1996 Section 4A.07(3) requirement of the state to update our model Sustainable Development Ordinances every ten years  
<https://greenstep.pca.state.mn.us/modelOrdinances.cfm>

**Regional and Geographic Equity** - plan public outreach gatherings with the EQB and the Regional Development Commissions, and Regional Sustainable Development Partnerships – to gather feedback from local leaders, highlight local economically beneficial projects and brainstorm ways to expand/ build upon these local successes. Example – previous EQB water quality town hall forums.

- **Develop MN** - Comprehensive. Development Strategy for Greater Minnesota. 2016.  
<http://www.mnado.org/wp-content/uploads/2016/06/DevelopMN-Plan-2016-final-web.pdf>
- **Regional Sustainable Development Partnerships** | UMN Extension connect Greater Minnesota communities to the U of MN to support local sustainability projects.  
<https://extension.umn.edu/regional-partnerships>
- Highlight local economic benefits/ opportunities by region and related workforce development needs

**Racial Equity** - Identify opportunities and address risks challenges to advance racial equity coordinating with the good work of the

- **One Minnesota Equity and Inclusion Council** [Executive Order 19-1 - One MN Equity and Inclusion Council](#)
- **Thriving by Design Statewide Equity Blueprint** Rural & Urban Together [www.growthandjustice.org](http://www.growthandjustice.org)
- **Tribal Nations** [Executive Order 19-24](#) Affirming the Government to Government Relationship between the State of Minnesota and MN Tribal Nations: Providing for Consultation, Coordination, & Cooperation
- **MN BIPOC Environmental Justice Table**

**Workforce Development/ Job Training** – add strategies to meet our workforce needs for clean energy, energy efficiency, and low carbon transportation and agriculture, building upon

- **DEED's Minnesota's Clean Energy Economy Report and Clean Energy Summit** July 17, 2014, <https://mn.gov/deed/data/research/clean-energy-economy/>
- **MN CEE Minnesota Energy Efficiency Workforce Gap Analysis** [www.mncee.org/resources/resource-center/technical-reports/minnesota-energy-efficiency-workforce-gap-analysis/](http://www.mncee.org/resources/resource-center/technical-reports/minnesota-energy-efficiency-workforce-gap-analysis/)
- **Minneapolis Renewable Electricity and Energy Efficiency Workforce Assessment** (May 2019) <https://www.naseo.org/data/sites/1/documents/publications/Minneapolis%20Workforce%20Development%20Assessment.pdf>
- **Clean Energy Economy MN Jobs Report** Minnesota: Home to 61,047 Clean Energy Jobs [Executive Summary www.cleanenergyeconomymn.org/news/report-61047-minnesota-jobs-clean-energy](http://www.cleanenergyeconomymn.org/news/report-61047-minnesota-jobs-clean-energy)

#### **Climate Adaptation & Resilient Communities**

- Build upon the adaptation strategies included in CSEO and the work of the EQB's inter-agency climate adaptation working group to recommend priority strategies, funding and implementation resources for state agencies and local governments <https://www.eqb.state.mn.us/content/climate-change>

#### **Agriculture and land management**

- **Develop strategies for Minnesota to implement the** recent science-based recommendations from U.N. IPCC on the important roles of agriculture and land management for GHG reduction, carbon sequestration, resilience, food production and habitat preservation <https://www.ipcc.ch/report/srccl/>
- **Build upon current MDA, DNR programs and U of MN Research** to add strategies to the CSEO Plan to comprehensively address GHG emissions from Agriculture in MN, and advance carbon sequestration and climate adaptation/resilience strategies related to agriculture, forest management, wetlands, prairies and peat bogs

#### **Transportation - Sync with and build upon**

- **MN DOT's Pathways to Decarbonizing Transportation project and report** that explored potential strategies for reducing greenhouse gas emissions (GHG) from cars, trucks, and buses in Minnesota with the goal of making progress towards state GHG reduction targets in the Next Generation Energy Act for years 2025 (-30% from 2005) and 2050 (-80% from 2005). <http://www.dot.state.mn.us/sustainability/pathways.html>
- **Executive Order 19-18** Establishing the Governor's Council on **Connected and Automated Vehicles** [https://mn.gov/governor/assets/2019\\_04\\_01\\_EO\\_19-18\\_tcm1055-378186.pdf](https://mn.gov/governor/assets/2019_04_01_EO_19-18_tcm1055-378186.pdf)
- **Require MN DMV to begin collecting VMT data for all vehicles registered**, like Massachusetts RMV - helping to track VMT for planning purposes and looking toward a VMT based funding system for roads (if this can be worked out with the current vendor that the state has hired to run our registration system)

#### **High Performance Buildings**

- **Optional Stretch Building Standard for MN Cities** – with Commerce, Dept. of Labor and Industry, etc.

#### **Climate Policy**

- **Explore potential benefits of MPCA rulemaking to regulate carbon similar to CA and REGGI states** and how MN can coordinate this work with other states in our region while advancing federal solutions.
- **Build upon language from the 2019 MN House Energy and Climate Finance and Policy Division's omnibus bill HF1833** <https://www.house.leg.state.mn.us/bills/Info/HF1833/91/2019/OMN> - to create a 2030 Greenhouse Gas Emissions Reduction Plan: This bill requires the Department of Commerce to develop a plan that significantly accelerates our economy-wide greenhouse gas reductions by 2030 using strategies including building efficiency, electrification, sequestration, distributed renewable energy, storage technology, and load management.
- **Include Research Projects/action items** that had originally included in the House Omnibus Energy/**Jobs Bill HF1833**, and the MN Green New Deal Bill [HF 2836](https://www.house.leg.state.mn.us/bills/Info/HF2836) but that did not make it into law

**Related Executive Orders** - Link with and build upon

**[Executive Order 19-1 - One Minnesota Equity and Inclusion Council](#)** – In developing a statewide climate action plan instruct the Climate Subcabinet and EQB to coordinate with the One MN Equity and Inclusion Council and Chris Taylor Chief Inclusion Officer, Asst Commissioner, MN Mgmt & Budget 651-201-3453 [chris.taylor@state.mn.us](mailto:chris.taylor@state.mn.us) to address related opportunities and mitigate challenges for reducing economic and racial disparities state wide as they update and add to our state wide (CSEO) climate action plan goals

**Executive Order 19-26** Continuing the Office of Energy Security as the **Division of Energy Resources** within the Department of Commerce - Sync up Climate Change Sub Cabinet with EQB and DER)

[https://mn.gov/governor/assets/2019\\_04\\_04\\_EO\\_19-26\\_tcm1055-378972.pdf](https://mn.gov/governor/assets/2019_04_04_EO_19-26_tcm1055-378972.pdf)

**Executive Order 19-25** Advancing Energy Efficiency and Renewable Energy Programs for Minnesota's Public Buildings [https://mn.gov/governor/assets/2019\\_04\\_04\\_EO\\_19-25\\_tcm1055-378971.pdf](https://mn.gov/governor/assets/2019_04_04_EO_19-25_tcm1055-378971.pdf)

- Enable cities to use new dashboard tools being developed by the Office of Enterprise Sustainability.

**Executive Order 19-28 Restoring Healthy, Diverse Pollinator** Populations that Sustain and Enhance Minnesota's Environment, Economy, and Way of Life

[https://mn.gov/governor/assets/2019\\_04\\_05\\_EO\\_19-28\\_tcm1055-379048.pdf](https://mn.gov/governor/assets/2019_04_05_EO_19-28_tcm1055-379048.pdf)

**Ensure timely follow-up and mutual accountability for implementation** between state agencies, NGOs, U of MN, Met Council) **for our updated economy-wide** (and city level) **MN Climate Action Plan /clean energy economy strategies** (policies and projects) **over the next ten years.** One way this can be accomplished would be for the Climate Subcabinet EQB and MN Office of Enterprise Sustainability to collaboratively manage implementation of state policies and projects to achieve economy-wide GHG emission reductions with state agencies, NGOs, U of MN, Met Council, RPOs, RDCs, local governments, tribes, funders using an on-line strategy management platform – examples of state initiatives using or exploring using

The **Insight Vision Platform** <https://www.insightformation.com/insightvision> (developed by a St. Paul-based social venture) is a nationally-recognized, on-line strategy management platform now being used being used very successfully by other states and counties across the U.S. The use of InsightVision has been licensed by the Minnesota Veterans & Military Exchange ([www.mnme.us](http://www.mnme.us)), is a coalition operating under **Project Got Your Back** [projectgotyourback.org](http://projectgotyourback.org) **Launch MN** is also interested [www.launchminnesota.org/](http://www.launchminnesota.org/)

**Provide Cities and Counties easy to use on line dashboard tools** to manage implementation of their city-level community-wide climate action plans.



Empower city teams (staff, elected leaders, commissions) to easily see and manage their city level and community-wide actions from 2020 to 2030 to meet their resilient goals → planned actions 3 years → who (city staff, partners) is doing what, when → outcomes & impacts

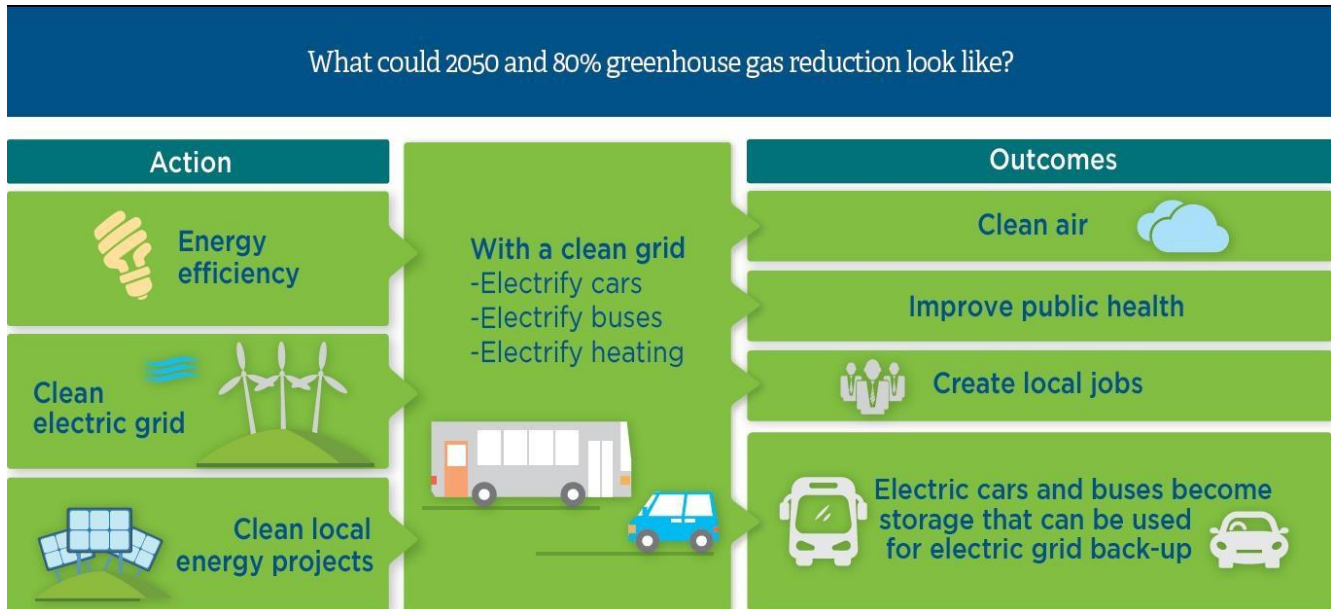
**City Operations** – Results dash board tool - **MN OES** <https://mn.gov/admin/government/sustainability/>

**Community-wide actions and outcomes** – let's find one or more tools to make it easier for city staff, elected leaders and commission volunteers to track actions and progress to achieve **community wide GHG reductions** (buildings, transportation, energy supply, etc.) over the **next 10 years.** Ideally the Met Council would provide cities both their GHG data, sample strategies to reduce GHG and a simple tool to track actions and progress.

- **High level goals** – we want to achieve – low carbon electricity, buildings, land/use transportation
- **Sample strategy maps** that cities can choose, modify and implement
- **Stakeholder & strategy management** - who (city staff, partners) is doing what, when
- **Indicator Dashboard** - annually updated city-wide GHG to be provided by the met council

The **Insight Vision Platform** <https://www.insightformation.com/insightvision> (developed by a St. Paul-based social venture) is being used in other states to empower cities and counties to take effective action to address complex topics i.e. opioid addition, veteran’s homelessness.

With support from the Met Council and metro counties **interested cities** could begin using this **effective implementation management system**. This would enable city teams (staff, elected leaders, commissions) to easily see and manage their city level and community-wide actions from 2020 to 2030 to meet their energy/climate resilience **stretch goals** → **planned actions** 3 years → **who** (city staff, Commissions, partners) is doing **what**, when → **outcomes & impacts**.



**Background Reasons** for this coordinated action, based on the One Minnesota themes of geographic and racial equity and economic opportunity

- **Clean energy jobs are growing fast in MN** [www.cleanenergyeconomymn.org](http://www.cleanenergyeconomymn.org)
- **Legislative requirement** in the 2007 **Next Generation Energy Act** for MN to **have a climate action plan** (section Sec. 2. Subd. 2.) Previous climate action plans [2003](#) and [MCCAG 2009](#) and [CSEO 2016](#) [https://www.revisor.mn.gov/bills/text.php?number=SF145&version=A&session=ls85&session\\_year=2007&session\\_number=0&type=ccr](https://www.revisor.mn.gov/bills/text.php?number=SF145&version=A&session=ls85&session_year=2007&session_number=0&type=ccr)
- **Legislative requirement** for the MN EQB to updated model sustainable development ordinances for MN cities every ten years. <https://www.eqb.state.mn.us/sustainable-development-act-1996>
- **Accelerated action is recommended** - Recent science-based recommendations from U.N. IPCC to achieve economy wide GHG reductions of 40% by 2030 to keep global temperatures for going above 1.5 degrees centigrade <https://www.ipcc.ch/2018/10/08/summary-for-policymakers-of-ipcc-special-report-on-global-warming-of-1-5c-approved-by-governments/>
- **Agricultural GHG emissions in MN are growing** and recent science-based recommendations from U.N. IPCC highlight the necessary roles of agriculture and land management [www.ipcc.ch/report/srccl/](http://www.ipcc.ch/report/srccl/)
- **The growing costs of inaction** – The future costs of climate-related impacts for the State of MN, cities, counties, businesses and residents continue to grow. Our updated state-wide climate action plan should include both robust mitigation and adaptation strategies.

## Climate-Related Executive Orders Quick Summary

### 1. California

- a. *Executive Order B-30-15* (Gov. Brown- April 29<sup>th</sup>, 2015 )
  - i. Establishing a greenhouse gas emission target
- b. *Executive Order B-18-12* (Gov. Brown- April 25<sup>th</sup>, 2012)
  - i. Establishes an efficiency standard for new state owned buildings including remodeled buildings through reducing grid based energy, water use, and Zero Net Energy.
- c. *Executive Order B-16-12* (Gov. Brown- March 23<sup>rd</sup>, 2012)
  - i. Establishing a goal for Zero Emission Vehicles percentage increase in use and in commercialization.

### 2. Colorado

- a. *Executive Order D2017-015* (Gov. Hickenlooper- July 11<sup>th</sup>, 2017)
  - i. Reduction of emissions & cost-effective energy efficiency.

### 3. Massachusetts

- a. *Executive Order No. 569* (Gov. Baker- September 16<sup>th</sup>, 2016)
  - i. Reduce carbon emissions, protects residents and municipalities and builds a stronger commonwealth.

### 4. New York

- a. *Executive Order No. 166* (Gov. Cuomo- June 1<sup>st</sup>, 2017)
  - i. To continue to reduce greenhouse gas emissions through activities and programs to achieve set goals.
- b. *Executive Order No. 24* (Gov. Paterson- August 16<sup>th</sup>, 2009)
  - i. To reduce greenhouse gas emissions through the establishment of programs and goals.

### 5. Virginia

- a. *Executive Directive 11* (Gov. McAuliffe- May 16<sup>th</sup>, 2017)
  - i. To control/ limit carbon dioxide emissions that is produced from electrical power facilities.
- b. *Executive Order 57* (Gov. McAuliffe- June 28<sup>th</sup>, 2016)
  - i. To establish regulations for reduction of carbon pollution from electrical power facilities, addressing impact of carbon pollution on low-income and vulnerable populations, and the implementation and administration of regulations.

### 6. Washington

- a. *Executive Order 14-04* (Gov. Islee- April 29<sup>th</sup>, 2014)
  - i. Creation of Carbon Emissions Reduction Taskforce, reducing and then eliminating use of coal for electricity generation, working toward cleaner transportation, technology, and energy. Additionally, allowing the Department of Ecology to recommend limits to carbon pollution, and lastly, the EO will establish a Climate Response and Clean Energy Forum to distribute information and receive feedback for the EO.
- b. *Executive Order 09-05* (Gov. Gregoire- May 21<sup>st</sup>, 2009)
  - i. Having state agencies help find ways to reduce greenhouse gas emissions through the Department of Ecology, Department of Transportation and the Department of Commerce to recommend ways to address current climate changes.