

# STATE OF NEW YORK

S. 6599

A. 8429

2019-2020 Regular Sessions

## SENATE - ASSEMBLY

June 18, 2019

IN SENATE -- Introduced by Sens. KAMINSKY, HOYLMAN, ADDABBO, BAILEY, BENJAMIN, BIAGGI, BRESLIN, BROOKS, CARLUCCI, COMRIE, GAUGHRAN, GIANARIS, GOUNARDES, HARCKHAM, JACKSON, KAPLAN, KAVANAGH, KENNEDY, KRUEGER, LIU, MARTINEZ, MAY, MAYER, METZGER, MONTGOMERY, MYRIE, PARKER, PERSAUD, RAMOS, RIVERA, SALAZAR, SANDERS, SEPULVEDA, SERRANO, SKOUFIS, STAVISKY, STEWART-COUSINS, THOMAS -- (at request of the Governor) -- read twice and ordered printed, and when printed to be committed to the Committee on Rules

IN ASSEMBLY -- Introduced by M. of A. ENGLEBRIGHT, LIFTON, FAHY, ORTIZ, CAHILL, WALKER, CARROLL, L. ROSENTHAL, THIELE, JAFFEE, SIMON, OTIS, DINOWITZ, WILLIAMS, ROZIC, ABINANTI, MOSLEY, BARRETT, STECK, GALEF, GOTTFRIED, LUPARDO, PHEFFER AMATO, DE LA ROSA, JEAN-PIERRE, COLTON, CUSICK, PEOPLES-STOKES, SEAWRIGHT, PICHARDO, WEPRIN, SIMOTAS, GLICK, FERNANDEZ, D'URSO, O'DONNELL, GRIFFIN, REYES, BURKE, SOLAGES, ROMEO, STIRPE, MAGNARELLI, EPSTEIN, TAYLOR, FALL, CRUZ, STERN, SANTABARBARA, BRONSON, BARNWELL, DAVILA, HEVESI, NIOU, HUNTER, M. G. MILLER, BENEDETTO, RODRIGUEZ, QUART, WRIGHT, HYNDMAN, CRESPO, FRONTUS, RYAN, SAYEGH, BARRON, PRETLOW, GUNTHER, RICHARDSON, RAYNOR, KIM, McMAHON, DICKENS, JACOBSON, WEINSTEIN -- Multi-Sponsored by -- M. of A. DenDEKKER, LENTOL, NOLAN, PAULIN, RAMOS -- (at request of the Governor) -- read once and referred to the Committee on Ways and Means

AN ACT to amend the environmental conservation law, the public service law, the public authorities law, the labor law and the community risk and resiliency act, in relation to establishing the New York state climate leadership and community protection act

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

1 Section 1. Legislative findings and declaration. The legislature here-  
2 by enacts the "New York state climate leadership and community  
3 protection act" and finds and declares that:

EXPLANATION--Matter in *italics* (underscored) is new; matter in brackets [-] is old law to be omitted.

LBD12037-01-9

1 1. Climate change is adversely affecting economic well-being, public  
2 health, natural resources, and the environment of New York. The adverse  
3 impacts of climate change include:

4 a. an increase in the severity and frequency of extreme weather  
5 events, such as storms, flooding, and heat waves, which can cause direct  
6 injury or death, property damage, and ecological damage (e.g., through  
7 the release of hazardous substances into the environment);

8 b. rising sea levels, which exacerbate damage from storm surges and  
9 flooding, contribute to coastal erosion and saltwater intrusion, and  
10 inundate low-lying areas, leading to the displacement of or damage to  
11 coastal habitat, property, and infrastructure;

12 c. a decline in freshwater and saltwater fish populations;

13 d. increased average temperatures, which increase the demand for air  
14 conditioning and refrigeration among residents and businesses;

15 e. exacerbation of air pollution; and

16 f. an increase in the incidences of infectious diseases, asthma  
17 attacks, heart attacks, and other negative health outcomes. These  
18 impacts are having a detrimental effect on some of New York's largest  
19 industries, including agriculture, commercial shipping, forestry, tour-  
20 ism, and recreational and commercial fishing. These impacts also place  
21 additional strain on the physical infrastructure that delivers critical  
22 services to the citizens of New York, including the state's energy,  
23 transportation, stormwater, and wastewater infrastructure.

24 2. a. The severity of current climate change and the threat of addi-  
25 tional and more severe change will be affected by the actions undertaken  
26 by New York and other jurisdictions to reduce greenhouse gas emissions.  
27 According to the U.S. Global Change Research Program (USGCRP) and the  
28 Intergovernmental Panel on Climate Change (IPCC), substantial reductions  
29 in greenhouse gas emissions will be required by mid-century in order to  
30 limit global warming to no more than 2°C and ideally 1.5°C, and thus  
31 minimize the risk of severe impacts from climate change. Specifically,  
32 industrialized countries must reduce their greenhouse gas emissions by  
33 at least 80% below 1990 levels by 2050 in order to stabilize carbon  
34 dioxide equivalent concentrations at 450 parts per million--the level  
35 required to stay within the 2°C target.

36 b. On December 12, 2015, one hundred ninety-five countries at the 21st  
37 Conference of the parties of the United Nations Framework Convention on  
38 Climate Change adopted an agreement addressing greenhouse gas emissions  
39 mitigation, adaptation, and finance starting in the year 2020, known as  
40 the Paris Agreement. The Paris Agreement was adopted on November 4,  
41 2016, and is the largest concerted global effort to combat climate  
42 change to date.

43 3. Action undertaken by New York to reduce greenhouse emissions will  
44 have an impact on global greenhouse gas emissions and the rate of  
45 climate change. In addition, such action will encourage other jurisdic-  
46 tions to implement complementary greenhouse gas reduction strategies and  
47 provide an example of how such strategies can be implemented. It will  
48 also advance the development of green technologies and sustainable prac-  
49 tices within the private sector, which can have far-reaching impacts  
50 such as a reduction in the cost of renewable energy components, and the  
51 creation of jobs and tax revenues in New York.

52 4. It shall therefore be a goal of the state of New York to reduce  
53 greenhouse gas emissions from all anthropogenic sources 100% over 1990  
54 levels by the year 2050, with an incremental target of at least a 40  
55 percent reduction in climate pollution by the year 2030, in line with

1 USGCRP and IPCC projections of what is necessary to avoid the most  
2 severe impacts of climate change.

3 5. Although substantial emissions reductions are necessary to avoid  
4 the most severe impacts of climate change, complementary adaptation  
5 measures will also be needed to address those risks that cannot be  
6 avoided. Some of the impacts of climate change are already observable in  
7 New York state and the northeastern United States. Annual average  
8 temperatures are on the rise, winter snow cover is decreasing, heat  
9 waves and precipitation are intensifying, and sea levels along New  
10 York's coastline are approximately one foot higher than they were in  
11 1900. New York has also experienced an increasing number of extreme and  
12 unusual weather events, like Hurricanes Irene and Lee and the  
13 unprecedented Superstorm Sandy in 2012, which caused at least 53 deaths  
14 and \$32 billion in damage in New York state.

15 6. New York should therefore minimize the risks associated with  
16 climate change through a combination of measures to reduce statewide  
17 greenhouse gas emissions and improve the resiliency of the state with  
18 respect to the impacts and risks of climate change that cannot be  
19 avoided.

20 7. Climate change especially heightens the vulnerability of disadvan-  
21 taged communities, which bear environmental and socioeconomic burdens as  
22 well as legacies of racial and ethnic discrimination. Actions undertaken  
23 by New York state to mitigate greenhouse gas emissions should prioritize  
24 the safety and health of disadvantaged communities, control potential  
25 regressive impacts of future climate change mitigation and adaptation  
26 policies on these communities, and prioritize the allocation of public  
27 investments in these areas.

28 8. Creating good jobs and a thriving economy is a core concern of New  
29 York state. Shaping the ongoing transition in our energy sector to  
30 ensure that it creates good jobs and protects workers and communities  
31 that may lose employment in the current transition must be key concerns  
32 of our climate policy. Setting clear standards for job quality and  
33 training standards encourages not only high-quality work but positive  
34 economic impacts.

35 9. Workers are at the front lines of climate change. Construction  
36 workers and building service workers were some of the first workers  
37 dedicated to cleaning up damage inflicted by recent storms. These work-  
38 ers were often operating in unsafe and toxic environments, cleaning up  
39 mold, and working in unstable buildings. In order to protect the health  
40 and welfare of these workers, it is in the interest of the state of New  
41 York to establish safe and healthy working conditions and proper train-  
42 ing for workers involved in climate change related activities. In addi-  
43 tion, much of the infrastructure work preparing our state for additional  
44 climate change events must happen quickly and efficiently. It is in the  
45 interest of the state to ensure labor harmony and promote efficient  
46 performance of work on climate change related work sites by requiring  
47 workers to be well-trained and adequately compensated.

48 10. Ensuring career opportunities are created and shared geograph-  
49 ically and demographically is necessary to ensure increased access to  
50 good jobs for marginalized communities while making the same neighbor-  
51 hoods more resilient. Climate change has a disproportionate impact on  
52 low-income people, women, and workers. It is in the interest of the  
53 state of New York to protect and promote the interests of these groups  
54 against the impacts of climate change and severe weather events and to  
55 advance our equity goals by ensuring quality employment opportunities in  
56 safe working environments.

1 11. The complexity of the ongoing energy transition, the uneven  
2 distribution of economic opportunity, and the disproportionate cumula-  
3 tive economic and environmental burdens on communities mean that there  
4 is a strong state interest in setting a floor statewide for labor stand-  
5 ards, but allowing and encouraging individual agencies and local govern-  
6 ments to raise standards.

7 12. By exercising a global leadership role on greenhouse gas miti-  
8 gation and climate change adaptation, New York will position its econo-  
9 my, technology centers, financial institutions, and businesses to bene-  
10 fit from national and international efforts to address climate change.  
11 New York state has already demonstrated leadership in this area by  
12 undertaking efforts such as:

13 a. executive order no. 24 (2009), establishing a goal to reduce green-  
14 house gas emissions 80% by the year 2050, creating a climate action  
15 council, and calling for preparation of a climate action plan;

16 b. chapter 433 of the laws of 2009, establishing a state energy plan-  
17 ning board and requiring the board to adopt a state energy plan;

18 c. chapter 388 of the laws of 2011, directing the department of envi-  
19 ronmental conservation to promulgate rules and regulations limiting  
20 emissions of carbon dioxide by newly constructed major generating facil-  
21 ities;

22 d. the adoption of a state energy plan establishing clean energy goals  
23 for the year 2030 aimed at reducing greenhouse gas emission levels by  
24 40% from 1990 levels, producing 70% of electricity from renewable sourc-  
25 es, increasing energy efficiency from 2012 levels by 23% and the addi-  
26 tional expressed goal of reducing 100% of the electricity sector's  
27 greenhouse gas emissions by 2040;

28 e. collaboration with other states on the Regional Greenhouse Gas  
29 Initiative, and the development of a regional low carbon fuel standard;

30 f. creation of new offices and task forces to address climate change,  
31 including the New York state office of climate change, the renewable  
32 energy task force, and the sea level rise task force; and

33 g. the enactment of the Community Risk and Resiliency Act (CRRRA),  
34 which requires agencies to consider sea level rise and other climate-re-  
35 lated events when implementing certain state programs.

36 This legislation will build upon these past developments by creating a  
37 comprehensive regulatory program to reduce greenhouse gas emissions that  
38 corresponds with the targets established in executive order no. 24, the  
39 state energy plan, and USGCRP and IPCC projections.

40 § 2. The environmental conservation law is amended by adding a new  
41 article 75 to read as follows:

42 ARTICLE 75

43 CLIMATE CHANGE

44 Section 75-0101. Definitions.

45 75-0103. New York state climate action council.

46 75-0105. Statewide greenhouse gas emissions report.

47 75-0107. Statewide greenhouse gas emissions limits.

48 75-0109. Promulgation of regulations to achieve statewide green-  
49 house gas emissions reductions.

50 75-0111. Climate justice working group.

51 75-0113. Value of carbon.

52 75-0115. Community air monitoring program.

53 75-0117. Investment of funds.

54 75-0119. Implementation reporting.

55 § 75-0101. Definitions.

1 For the purposes of this article the following terms shall have the  
2 following meanings:

3 1. "Allowance" means an authorization to emit, during a specified  
4 year, up to one ton of carbon dioxide equivalent.

5 2. "Carbon dioxide equivalent" means the amount of carbon dioxide by  
6 mass that would produce the same global warming impact as a given mass  
7 of another greenhouse gas over an integrated twenty-year time frame  
8 after emission.

9 3. "Co-pollutants" means hazardous air pollutants produced by green-  
10 house gas emissions sources.

11 4. "Council" means the New York state climate action council estab-  
12 lished pursuant to section 75-0103 of this article.

13 5. "Disadvantaged communities" means communities that bear burdens of  
14 negative public health effects, environmental pollution, impacts of  
15 climate change, and possess certain socioeconomic criteria, or comprise  
16 high-concentrations of low- and moderate- income households, as identi-  
17 fied pursuant to section 75-0111 of this article.

18 6. "Emissions reduction measures" means programs, measures and stand-  
19 ards, authorized pursuant to this chapter, applicable to sources or  
20 categories of sources, that are designed to reduce emissions of green-  
21 house gases.

22 7. "Greenhouse gas" means carbon dioxide, methane, nitrous oxide,  
23 hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and any other  
24 substance emitted into the air that may be reasonably anticipated to  
25 cause or contribute to anthropogenic climate change.

26 8. "Greenhouse gas emission limit" means the maximum allowable level  
27 of statewide greenhouse gas emissions, in a specified year, expressed in  
28 tons of carbon dioxide equivalent, as determined by the department  
29 pursuant to this article.

30 9. "Greenhouse gas emission offset" means a deduction representing one  
31 metric ton of carbon dioxide equivalent emissions, reduced, avoided, or  
32 sequestered by a greenhouse gas emission offset project from a measured  
33 baseline of emissions pursuant to the statewide greenhouse gas emissions  
34 report.

35 10. "Greenhouse gas emission offset projects" means one or more  
36 projects, including:

37 a. Natural carbon sinks including but not limited to afforestation,  
38 reforestation, or wetlands restoration;

39 b. Greening infrastructure;

40 c. Restoration and sustainable management of natural and urban forests  
41 or working lands, grasslands, coastal wetlands and sub-tidal habitats;

42 d. Efforts to reduce hydrofluorocarbon refrigerant, sulfur hexafluor-  
43 ide, and other ozone depleting substance releases;

44 e. Anaerobic digesters, where energy produced is directed toward  
45 localized use;

46 f. Carbon capture and sequestration;

47 g. Ecosystem restoration; and

48 h. Other types of projects recommended by the council in consultation  
49 with the climate justice working group that provide public health and  
50 environmental benefits, and do not create burdens in disadvantaged  
51 communities.

52 11. "Greenhouse gas emission source" or "source" means any anthropo-  
53 genic source or category of anthropogenic sources of greenhouse gas  
54 emissions, determined by the department:

55 a. whose participation in the program will enable the department to  
56 effectively reduce greenhouse gas emissions; and,

1 b. that are capable of being monitored for compliance.

2 12. "Leakage" means a reduction in emissions of greenhouse gases with-  
3 in the state that is offset by an increase in emissions of greenhouse  
4 gases outside of the state.

5 13. "Statewide greenhouse gas emissions" means the total annual emis-  
6 sions of greenhouse gases produced within the state from anthropogenic  
7 sources and greenhouse gases produced outside of the state that are  
8 associated with the generation of electricity imported into the state  
9 and the extraction and transmission of fossil fuels imported into the  
10 state. Statewide emissions shall be expressed in tons of carbon dioxide  
11 equivalents.

12 14. "Statewide greenhouse gas emissions limit" or "statewide emissions  
13 limit" means the maximum allowable level of statewide greenhouse gas  
14 emissions in a specified year, as determined by the department pursuant  
15 to this article.

16 15. "Environmental justice advisory group" shall mean the permanent  
17 environmental justice advisory group established by a chapter of the  
18 laws of two thousand nineteen amending the environmental conservation  
19 law relating to establishing a permanent environmental justice advisory  
20 group and an environmental justice interagency coordinating council, as  
21 proposed in legislative bills numbers S. 2385 and A. 1564.

22 § 75-0103. New York state climate action council.

23 1. There is hereby established the New York state climate action coun-  
24 cil ("council") which shall consist of the following twenty-two members:

25 a. the commissioners of transportation, health, economic development,  
26 agriculture and markets, housing and community renewal, environmental  
27 conservation, labor, the chairperson of the public service commission,  
28 the presidents of the New York state energy research and development  
29 authority; New York power authority; Long Island power authority; the  
30 secretary of state, or their designees.

31 b. two non-agency expert members appointed by the governor;

32 c. three members to be appointed by the temporary president of the  
33 senate;

34 d. three members to be appointed by the speaker of the assembly;

35 e. one member to be appointed by the minority leader of the senate;  
36 and

37 f. one member to be appointed by the minority leader of the assembly.

38 2. The at large members shall include at all times individuals with  
39 expertise in issues relating to climate change mitigation and/or adapta-  
40 tion, such as environmental justice, labor, public health and regulated  
41 industries.

42 3. Council members shall receive no compensation for their services  
43 but shall be reimbursed for actual and necessary expenses incurred in  
44 the performance of their duties.

45 4. The co-chairpersons of the council shall be the commissioner of  
46 environmental conservation and the president of the New York state ener-  
47 gy research and development authority or their designee.

48 5. Each member of the council shall be entitled to one vote. The coun-  
49 cil's approval and adoption of the final scoping plan pursuant to this  
50 section, and any subsequent interim updates thereto, shall require a  
51 supermajority of the council. No action may be taken by the council  
52 unless there is a quorum, which shall at all times be a majority of the  
53 members of the council.

54 6. Any vacancies on the council shall be filled in the manner provided  
55 for the initial appointment.

1 7. The council shall convene advisory panels requiring special exper-  
2 tise and, at a minimum, shall establish advisory panels on transporta-  
3 tion, energy intensive and trade-exposed industries, land-use and local  
4 government, energy efficiency and housing, power generation, and agri-  
5 culture and forestry. The purpose of the advisory panels shall be to  
6 provide recommendations to the council on specific topics, in its prepa-  
7 ration of the scoping plan, and interim updates to the scoping plan, and  
8 in fulfilling the council's ongoing duties.

9 a. Each advisory panel shall be chaired by the relevant agency head or  
10 his or her designee. The council may convene and dissolve additional  
11 advisory panels, in its sole discretion, and pursuant to the require-  
12 ments herein.

13 b. Advisory panels shall be comprised of no more than five voting  
14 members. The council shall elect advisory panel members, and such  
15 membership shall at all times represent individuals with direct involve-  
16 ment or expertise in matters to be addressed by the advisory panels  
17 pursuant to this section.

18 c. Advisory panels shall work directly with the council on the prepa-  
19 ration of the scoping plan pursuant to this section. Each advisory panel  
20 shall coordinate with the environmental justice advisory group and  
21 climate justice working group.

22 d. All agencies of the state or subdivisions thereof may, at the  
23 request of any such advisory panel or the council, provide the advisory  
24 panel with such facilities, assistance, and data as will enable advisory  
25 panels to carry out their powers and duties.

26 8. The council shall convene a just transition working group. The  
27 working group shall be chaired by the commissioner of labor and the  
28 president of the New York state energy research and development authori-  
29 ty and shall consist of no less than thirteen, but no more than seven-  
30 teen members and shall include the commissioners of housing and communi-  
31 ty renewal, the chair of the department of public service,  
32 representatives of environmental justice communities and representatives  
33 of labor organizations, clean energy developers and at least five repre-  
34 sentatives of distinct energy-intensive industries. The just transition  
35 working group shall:

36 a. advise the council on issues and opportunities for workforce devel-  
37 opment and training related to energy efficiency measures, renewable  
38 energy and other clean energy technologies, with specific focus on  
39 training and workforce opportunities for disadvantaged communities, and  
40 segments of the population that may be underrepresented in the clean  
41 energy workforce such as veterans, women and formerly incarcerated  
42 persons;

43 b. identify energy-intensive industries and related trades and identi-  
44 fy sector specific impacts of the state's current workforce and avenues  
45 to maximize the skills and expertise of New York state workers in the  
46 new energy economy;

47 c. identify sites of electric generating facilities that may be closed  
48 as a result of a transition to a clean energy sector and the issues and  
49 opportunities presented by reuse of those sites;

50 d. with respect to potential for greenhouse gas emission limits devel-  
51 oped by the department of environmental conservation pursuant to this  
52 article, advise the council on the potential impacts of carbon leakage  
53 risk on New York state industries and local host communities, including  
54 the impact of any potential carbon reduction measures on the competi-  
55 tiveness of New York state business and industry;

1 e. advise the council and conduct stakeholder outreach on any other  
2 workforce matters directed by the council; and

3 f. at a time frame determined by the council, prepare and publish  
4 recommendations to the council on how to address: issues and opportu-  
5 nities related to the energy-intensive and trade-exposed entities; work-  
6 force development for trade-exposed entities, disadvantaged communities  
7 and underrepresented segments of the population; measures to minimize  
8 the carbon leakage risk and minimize anti-competitiveness impacts of any  
9 potential carbon policies and energy sector mandates.

10 g. The just transition working group is hereby authorized and directed  
11 to conduct a study of and report on:

12 i. The number of jobs created to counter climate change, which shall  
13 include but not be limited to the energy sector, building sector, trans-  
14 portation sector, and working lands sector;

15 ii. The projection of the inventory of jobs needed and the skills and  
16 training required to meet the demand of jobs to counter climate change;  
17 and

18 iii. Workforce disruption due to community transitions from a low  
19 carbon economy.

20 9. The department and the New York state energy research and develop-  
21 ment authority shall provide the council with such facilities, assist-  
22 ance and data as will enable the council to carry out its powers and  
23 duties. Additionally, all other agencies of the state or subdivisions  
24 thereof may, at the request of the co-chairpersons, provide the council  
25 with such facilities, assistance, and data as will enable the council to  
26 carry out its powers and duties.

27 10. The council shall consult with the climate justice working group  
28 established in section 75-0111 of this article, the department of state  
29 utility intervention unit, and the federally designated electric bulk  
30 system operator.

31 11. The council shall on or before two years of the effective date of  
32 this article, prepare and approve a scoping plan outlining the recommen-  
33 dations for attaining the statewide greenhouse gas emissions limits in  
34 accordance with the schedule established in section 75-0107 of this  
35 article, and for the reduction of emissions beyond eighty-five percent,  
36 net zero emissions in all sectors of the economy, which shall inform the  
37 state energy planning board's adoption of a state energy plan in accord-  
38 ance with section 6-104 of the energy law. The first state energy plan  
39 issued subsequent to completion of the scoping plan required by this  
40 section shall incorporate the recommendations of the council.

41 12. The draft scoping plan shall be developed in consultation with the  
42 environmental justice advisory group, and the climate justice working  
43 group established pursuant to section 75-0111 of this article and other  
44 stakeholders.

45 a. The council shall hold at least six regional public comment hear-  
46 ings on the draft scoping plan, including three meetings in the upstate  
47 region and three meetings in the downstate region, and shall allow at  
48 least one hundred twenty days for the submission of public comment.

49 b. The council shall provide meaningful opportunities for public  
50 comment from all segments of the population that will be impacted by the  
51 plan, including persons living in disadvantaged communities as identi-  
52 fied pursuant to section 75-0111 of this article.

53 c. On or before three years of the effective date of this article, the  
54 council shall submit the final scoping plan to the governor, the speaker  
55 of the assembly and the temporary president of the senate and post such  
56 plan on its website.

1 13. The scoping plan shall identify and make recommendations on regu-  
2 latory measures and other state actions that will ensure the attainment  
3 of the statewide greenhouse gas emissions limits established pursuant to  
4 section 75-0107 of this article. The measures and actions considered in  
5 such scoping plan shall at a minimum include:

6 a. Performance-based standards for sources of greenhouse gas emis-  
7 sions, including but not limited to sources in the transportation,  
8 building, industrial, commercial, and agricultural sectors.

9 b. Measures to reduce emissions from the electricity sector by  
10 displacing fossil-fuel fired electricity with renewable electricity or  
11 energy efficiency.

12 c. Land-use and transportation planning measures aimed at reducing  
13 greenhouse gas emissions from motor vehicles.

14 d. Measures to achieve long-term carbon sequestration and/or promote  
15 best management practices in land use, agriculture and forestry.

16 e. Measures to achieve six gigawatts of distributed solar energy  
17 capacity installed in the state by two thousand twenty-five, nine giga-  
18 watts of offshore wind capacity installed by two thousand thirty-five, a  
19 statewide energy efficiency goal of one hundred eighty-five trillion  
20 British thermal units energy reduction from the two thousand twenty-five  
21 forecast; and three gigawatts of statewide energy storage capacity by  
22 two thousand thirty.

23 f. Measures to promote the beneficial electrification of personal and  
24 freight transport and other strategies to reduce greenhouse gas emis-  
25 sions from the transportation sector.

26 g. Measures to achieve reductions in energy use in existing residen-  
27 tial or commercial buildings, including the beneficial electrification  
28 of water and space heating in buildings, establishing appliance effi-  
29 ciency standards, strengthening building energy codes, requiring annual  
30 building energy benchmarking, disclosing energy efficiency in home  
31 sales, and expanding the ability of state facilities to utilize perform-  
32 ance contracting.

33 h. Recommendations to aid in the transition of the state workforce and  
34 the rapidly emerging clean energy industry.

35 i. Measures to achieve healthy forests that support clean air and  
36 water, biodiversity, and sequester carbon.

37 j. Measures to limit the use of chemicals, substances or products that  
38 contribute to global climate change when released to the atmosphere, but  
39 are not intended for end-use combustion.

40 k. Mechanisms to limit emission leakage as defined in subdivision  
41 eleven of section 75-0101 of this article.

42 l. Verifiable, enforceable and voluntary emissions reduction measures.

43 14. In developing such plan the council shall:

44 a. Consider all relevant information pertaining to greenhouse gas  
45 emissions reduction programs in states in the United States Climate  
46 Alliance, as well as other states, regions, localities, and nations.

47 b. Evaluate, using the best available economic models, emission esti-  
48 mation techniques and other scientific methods, the total potential  
49 costs and potential economic and non-economic benefits of the plan for  
50 reducing greenhouse gases, and make such evaluation publicly available.  
51 In conducting this evaluation, the council shall quantify:

52 i. The economic and social benefits of greenhouse gas emissions  
53 reductions, taking into account the value of carbon, established by the  
54 department pursuant to section 75-0113 of this article, any other tools  
55 that the council deems useful and pertinent for this analysis, and any  
56 environmental, economic and public health co-benefits (such as the

1 reduction of co-pollutants and the diversification of energy sources);  
2 and

3 ii. The costs of implementing proposed emissions reduction measures,  
4 and the emissions reductions that the council anticipates achieving  
5 through these measures.

6 c. Take into account the relative contribution of each source or  
7 source category to statewide greenhouse gas emissions, and the potential  
8 for adverse effects on small businesses, and recommend a de minimis  
9 threshold of greenhouse gas emissions below which emission reduction  
10 requirements will not apply.

11 d. Identify measures to maximize reductions of both greenhouse gas  
12 emissions and co-pollutants in disadvantaged communities as identified  
13 pursuant to section 75-0111 of this article.

14 15. The council shall update its plan for achieving the statewide  
15 greenhouse gas emissions limits at least once every five years and shall  
16 make such updates available to the governor, the speaker of the assembly  
17 and the temporary president of the senate and post such updates on its  
18 website.

19 16. The council shall identify existing climate change mitigation and  
20 adaptation efforts at the federal, state, and local levels and may make  
21 recommendations regarding how such policies may improve the state's  
22 efforts.

23 17. The council shall maintain a website that includes public access  
24 to the scoping plan and greenhouse gas limit information.

25 § 75-0105. Statewide greenhouse gas emissions report.

26 1. No later than two years after the effective date of this article,  
27 and each year thereafter, the department shall issue a report on state-  
28 wide greenhouse gas emissions, expressed in tons of carbon dioxide  
29 equivalents, from all greenhouse gas emission sources in the state,  
30 including the relative contribution of each type of greenhouse gas and  
31 each type of source to the statewide total.

32 2. The statewide greenhouse gas emissions report shall be a comprehen-  
33 sive evaluation, informed by a variety of data, including but not limit-  
34 ed to:

35 a. information relating to the use of fossil fuels by sector, includ-  
36 ing for electricity generation, transportation, heating, and other  
37 combustion purposes;

38 b. information relating to fugitive and vented emissions from systems  
39 associated with the production, processing, transport, distribution,  
40 storage, and consumption of fossil fuels, including natural gas;

41 c. information relating to emissions from non-fossil fuel sources,  
42 including, but not limited to, garbage incinerators, biomass combustion,  
43 landfills and landfill gas generators, and anaerobic digesters;

44 d. information relating to emissions associated with manufacturing,  
45 chemical production, cement plants, and other processes that produce  
46 non-combustion emissions; and

47 e. information from sources that may be required to participate in the  
48 registration and reporting system pursuant to subdivision four of this  
49 section.

50 3. The statewide greenhouse gas emissions report shall also include an  
51 estimate of greenhouse gas emissions associated with the generation of  
52 imported electricity and with the extraction and transmission of fossil  
53 fuels imported into the state which shall be counted as part of the  
54 statewide total.

55 4. Within one year after the effective date of this article, the  
56 department shall consider establishing a mandatory registry and report-

1 ing system from individual sources to obtain data on greenhouse gas  
2 emissions exceeding a particular threshold. If established, such regis-  
3 try and reporting system shall apply a consistent reporting threshold to  
4 ensure the unbiased collection of data.

5 5. The statewide greenhouse gas emissions report shall also include an  
6 estimate of what the statewide greenhouse gas emissions level was in  
7 1990.

8 6. The statewide greenhouse gas emissions report shall utilize best  
9 available science and methods of analysis, including the comparison and  
10 reconciliation of emission estimates from all sources, fuel consumption,  
11 field data, and peer-reviewed research.

12 7. The statewide greenhouse gas emissions report shall clearly explain  
13 the methodology and analysis used in the department's determination of  
14 greenhouse gas emissions and shall include a detailed explanation of any  
15 changes in methodology or analysis, adjustments made to prior estimates,  
16 as needed, and any other information necessary to establish a scientifi-  
17 cally credible account of change.

18 8. The department shall hold at least two public hearings to seek  
19 public input regarding the methodology and analysis used in the determi-  
20 nation of statewide greenhouse gas emissions, and periodically thereaft-  
21 er.

22 § 75-0107. Statewide greenhouse gas emissions limits.

23 1. No later than one year after the effective date of this article,  
24 the department shall, pursuant to rules and regulations promulgated  
25 after at least one public hearing, establish a statewide greenhouse gas  
26 emissions limit as a percentage of 1990 emissions, as estimated pursuant  
27 to section 75-0105 of this article, as follows:

28 a. 2030: 60% of 1990 emissions.

29 b. 2050: 15% of 1990 emissions.

30 2. Greenhouse gas emission limits shall be measured in units of carbon  
31 dioxide equivalents and identified for each individual type of green-  
32 house gas.

33 3. In order to ensure the most accurate determination feasible, the  
34 department shall utilize the best available scientific, technological,  
35 and economic information on greenhouse gas emissions and consult with  
36 the council, stakeholders, and the public in order to ensure that all  
37 emissions are accurately reflected in its determination of 1990 emis-  
38 sions levels.

39 4. In order to comply with the statewide greenhouse gas emissions  
40 limits promulgated pursuant to this section, a source may utilize the  
41 alternative compliance mechanism established pursuant to subdivision  
42 four of section 75-0109 of this article. The use of such mechanism shall  
43 be in accordance with the provisions of that subdivision.

44 § 75-0109. Promulgation of regulations to achieve statewide greenhouse  
45 gas emissions reductions.

46 1. No later than four years after the effective date of this article,  
47 the department, after public workshops and consultation with the coun-  
48 cil, the environmental justice advisory group, and the climate justice  
49 working group established pursuant to section 75-0111 of this article,  
50 representatives of regulated entities, community organizations, environ-  
51 mental groups, health professionals, labor unions, municipal corpo-  
52 rations, trade associations and other stakeholders, shall, after no less  
53 than two public hearings, promulgate rules and regulations to ensure  
54 compliance with the statewide emissions reduction limits and work with  
55 other state agencies and authorities to promulgate regulations required

1 by section eight of the chapter of the laws of two thousand nineteen  
2 that added this article.

3 2. The regulations promulgated by the department pursuant to this  
4 section shall:

5 a. Ensure that the aggregate emissions of greenhouse gases from green-  
6 house gas emission sources will not exceed the statewide greenhouse gas  
7 emissions limits established in section 75-0107 of this article.

8 b. Include legally enforceable emissions limits, performance stand-  
9 ards, or measures or other requirements to control emissions from green-  
10 house gas emission sources, with the exception of agricultural emissions  
11 from livestock.

12 c. Reflect, in substantial part, the findings of the scoping plan  
13 prepared pursuant to section 75-0103 of this article.

14 d. Include measures to reduce emissions from greenhouse gas emission  
15 sources that have a cumulatively significant impact on statewide green-  
16 house gas emissions, such as internal combustion vehicles that burn  
17 gasoline or diesel fuel and boilers or furnaces that burn oil or natural  
18 gas.

19 3. In promulgating these regulations, the department shall:

20 a. Design and implement all regulations in a manner that seeks to be  
21 equitable, to minimize costs and to maximize the total benefits to New  
22 York, and encourages early action to reduce greenhouse gas emissions.

23 b. Ensure that greenhouse gas emissions reductions achieved are real,  
24 permanent, quantifiable, verifiable, and enforceable by the department.

25 c. Ensure that activities undertaken to comply with the regulations do  
26 not result in a net increase in co-pollutant emissions or otherwise  
27 disproportionately burden disadvantaged communities as identified pursu-  
28 ant to section 75-0111 of this article.

29 d. Prioritize measures to maximize net reductions of greenhouse gas  
30 emissions and co-pollutants in disadvantaged communities as identified  
31 pursuant to section 75-0111 of this article and encourage early action  
32 to reduce greenhouse gas emissions and co-pollutants.

33 e. Incorporate measures to minimize leakage.

34 4. a. The department may establish an alternative compliance mechanism  
35 to be used by sources subject to greenhouse gas emissions limits to  
36 achieve net zero emissions.

37 b. The use of such mechanism shall account for not greater than  
38 fifteen percent of statewide greenhouse gas emissions estimated as a  
39 percentage of nineteen ninety emissions pursuant to section 75-0105 of  
40 this article, provided that the use of this mechanism must offset a  
41 quantity greater than or equal to the greenhouse gases emitted. The  
42 offset of greenhouse gas emissions shall not result in disadvantaged  
43 communities having to bear a disproportionate burden of environmental  
44 impacts.

45 c. The department shall verify that greenhouse gas emission offset  
46 projects authorized pursuant to this subdivision represent greenhouse  
47 gas equivalent emission reductions or carbon sequestration that are  
48 real, additional, verifiable, enforceable, and permanent.

49 d. Any greenhouse gas emissions offset project shall comply with all  
50 of the requirements of this subdivision.

51 e. The department shall establish an application process that, at a  
52 minimum, requires a source to sufficiently demonstrate that compliance  
53 with the greenhouse gas emissions limits is not technologically feasi-  
54 ble, and that the source has reduced emissions to the maximum extent  
55 practicable. After an initial four year period, the department shall  
56 review the participation of a source in this mechanism, and make a

1 determination as to the source's continued need for an alternative  
2 compliance, considering the extent to which the source is utilizing the  
3 best available technology standards.

4 f. Sources in the electric generation sector shall not be eligible to  
5 participate in such mechanism.

6 g. The following types of projects shall be prohibited:

7 i. waste-to-energy projects, including incineration and pyrolysis; and

8 ii. biofuels used for energy or transportation purposes.

9 h. Any greenhouse gas emission offset project approved by the depart-  
10 ment shall:

11 i. be designed to provide a discernable benefit to the environment  
12 rather than to the source;

13 ii. be located in the same county, and within twenty-five linear  
14 miles, of the source of emissions, to the extent practicable;

15 iii. enhance the conditions of the ecosystem or geographic area  
16 adversely affected; and

17 iv. substantially reduce or prevent the generation or release of  
18 pollutants through source reduction.

19 i. A greenhouse gas emission offset project shall not be approved by  
20 the department where the project:

21 i. is required pursuant to any local, state or federal law, regu-  
22 lation, or administrative or judicial order;

23 ii. contains measures which the source would have undertaken anyway  
24 within the next five years;

25 iii. contributes to environmental research at a college or university;  
26 or

27 iv. is a study or assessment without a commitment to implement the  
28 results.

29 j. In approving greenhouse gas emission offset projects, the depart-  
30 ment shall prioritize projects that maximize public health and environ-  
31 mental benefits within the state and especially localized benefits in  
32 disadvantaged communities, defined pursuant to section 75-0111 of this  
33 article.

34 k. The department shall establish a public registry of greenhouse gas  
35 emission offset projects approved pursuant to this subdivision.

36 l. Prior to the inclusion of any alternative compliance mechanism in  
37 the regulations, to the extent feasible and in the furtherance of  
38 achieving the statewide greenhouse gas emissions limit, the department  
39 shall do all of the following:

40 i. consult with the council, the environmental justice advisory group,  
41 and the climate justice working group;

42 ii. consider the potential for direct, indirect, and cumulative emis-  
43 sion impacts from this mechanism, including localized impacts in disad-  
44 vantaged communities as identified pursuant to section 75-0111 of this  
45 article;

46 iii. design the alternative compliance mechanism to prevent any  
47 increase in the emissions of co-pollutants; and

48 iv. maximize additional environmental, public health, and economic  
49 benefits for the state and for disadvantaged communities identified  
50 pursuant to section 75-0111 of this article, as appropriate.

51 § 75-0111. Climate justice working group.

52 1. There is hereby created within the department, no later than six  
53 months after the effective date of this article, a "climate justice  
54 working group". Such working group will be comprised of representatives  
55 from: environmental justice communities, the department, the department

1 of health, the New York state energy and research development authority,  
2 and the department of labor.

3 a. Environmental justice community representatives shall be members of  
4 communities of color, low-income communities, and communities bearing  
5 disproportionate pollution and climate change burdens, or shall be  
6 representatives of community-based organizations with experience and a  
7 history of advocacy on environmental justice issues, and shall include  
8 at least three representatives from New York city communities, three  
9 representatives from rural communities, and three representatives from  
10 upstate urban communities.

11 b. The working group, in consultation with the department, the depart-  
12 ments of health and labor, the New York state energy and research devel-  
13 opment authority, and the environmental justice advisory group, will  
14 establish criteria to identify disadvantaged communities for the  
15 purposes of co-pollutant reductions, greenhouse gas emissions  
16 reductions, regulatory impact statements, and the allocation of invest-  
17 ments related to this article.

18 c. Disadvantaged communities shall be identified based on geographic,  
19 public health, environmental hazard, and socioeconomic criteria, which  
20 shall include but are not limited to:

21 i. areas burdened by cumulative environmental pollution and other  
22 hazards that can lead to negative public health effects;

23 ii. areas with concentrations of people that are of low income, high  
24 unemployment, high rent burden, low levels of home ownership, low levels  
25 of educational attainment, or members of groups that have historically  
26 experienced discrimination on the basis of race or ethnicity; and

27 iii. areas vulnerable to the impacts of climate change such as flood-  
28 ing, storm surges, and urban heat island effects.

29 2. Before finalizing the criteria for identifying disadvantaged commu-  
30 nities and identifying disadvantaged communities pursuant to subdivision  
31 one of this section, the department shall publish draft criteria and a  
32 draft list of disadvantaged communities and make such information avail-  
33 able on its website.

34 a. The council shall hold at least six regional public hearings on the  
35 draft criteria and the draft list of disadvantaged communities, includ-  
36 ing three meetings in the upstate region and three meetings in the down-  
37 state region, and shall allow at least one hundred twenty days for the  
38 submission of public comment.

39 b. The council shall also ensure that there are meaningful opportu-  
40 nities for public comment for all segments of the population that will  
41 be impacted by the criteria, including persons living in areas that may  
42 be identified as disadvantaged communities under the proposed criteria.

43 3. The group will meet no less than annually to review the criteria  
44 and methods used to identify disadvantaged communities and may modify  
45 such methods to incorporate new data and scientific findings. The  
46 climate justice working group shall review identities of disadvantaged  
47 communities and modify such identities as needed.

48 § 75-0113. Value of carbon.

49 1. No later than one year after the effective date of this article,  
50 the department, in consultation with the New York state energy research  
51 and development authority, shall establish a social cost of carbon for  
52 use by state agencies, expressed in terms of dollars per ton of carbon  
53 dioxide equivalent.

54 2. The social cost of carbon shall serve as a monetary estimate of the  
55 value of not emitting a ton of greenhouse gas emissions. As determined  
56 by the department, the social cost of carbon may be based on marginal

1 greenhouse gas abatement costs or on the global economic, environmental,  
2 and social impacts of emitting a marginal ton of greenhouse gas emis-  
3 sions into the atmosphere, utilizing a range of appropriate discount  
4 rates, including a rate of zero.

5 3. In developing the social cost of carbon, the department shall  
6 consider prior or existing estimates of the social cost of carbon issued  
7 or adopted by the federal government, appropriate international bodies,  
8 or other appropriate and reputable scientific organizations.

9 § 75-0115. Community air monitoring program.

10 1. For purposes of this section, the following definitions and related  
11 provisions shall apply:

12 a. "Community air monitoring system" means advanced sensing monitoring  
13 equipment that measures and records air pollutant concentrations in the  
14 ambient air at or near sensitive receptor locations in disadvantaged  
15 communities.

16 b. "Disadvantaged community" means a community identified as disadvan-  
17 tagged pursuant to the criteria set forth in section 75-0111 of this  
18 article.

19 c. "Sensitive receptors" includes hospitals, schools and day care  
20 centers, and such other locations as the department may determine.

21 2. a. On or before October first, two thousand twenty-two, the depart-  
22 ment shall prepare, in consultation with the climate justice working  
23 group, a program demonstrating community air monitoring systems.

24 b. The program shall identify the highest priority locations in disad-  
25 vantaged communities around the state to deploy community air monitoring  
26 systems, which shall be communities with potentially high exposure  
27 burdens for toxic air contaminants and criteria air pollutants. The  
28 program shall be undertaken in no less than four communities statewide  
29 with regional consideration.

30 c. The department shall publish the air quality data produced by the  
31 community air monitoring systems deployed pursuant to this section on  
32 its website as it becomes available.

33 3. On or before June first, two thousand twenty-four, the department  
34 shall prepare, in consultation with the climate justice working group, a  
35 strategy to reduce emissions of toxic air contaminants and criteria air  
36 pollutants in disadvantaged communities affected by a high cumulative  
37 exposure burden. The strategy shall include criteria for the development  
38 of community emission reduction programs. The criteria presented in the  
39 strategy shall include, but are not limited to, the following:

40 a. an assessment and identification of communities with high cumula-  
41 tive exposure burdens for toxic air contaminants and criteria air pollu-  
42 tants.

43 b. a methodology for assessing and identifying the contributing sourc-  
44 es or categories of sources, including, but not limited to, stationary  
45 and mobile sources, and an estimate of their relative contribution to  
46 elevated exposure to air pollution in impacted communities identified  
47 pursuant to paragraph a of this subdivision.

48 c. an assessment of the existing and available measures for reducing  
49 emissions from the contributing sources or categories of sources identi-  
50 fied pursuant to paragraph b of this subdivision.

51 4. a. Based on the assessment and identification of disadvantaged  
52 communities with high cumulative exposure burdens for toxic air contam-  
53 inants and criteria air pollutants completed pursuant to paragraph a of  
54 subdivision three of this section, the department shall select disadvan-  
55 tagged communities around the state for preparation of community emis-

1 sions reduction programs. The department may select additional locations  
2 annually thereafter, as appropriate.

3 b. The department shall have the authority to adopt regulations estab-  
4 lishing programs to achieve emissions reductions for the locations  
5 selected using the most cost-effective measures identified pursuant to  
6 paragraph c of subdivision three of this section.

7 § 75-0117. Investment of funds.

8 State agencies, authorities and entities, in consultation with the  
9 environmental justice working group and the climate action council,  
10 shall, to the extent practicable, invest or direct available and rele-  
11 vant programmatic resources in a manner designed to achieve a goal for  
12 disadvantaged communities to receive forty percent of overall benefits  
13 of spending on clean energy and energy efficiency programs, projects or  
14 investments in the areas of housing, workforce development, pollution  
15 reduction, low income energy assistance, energy, transportation and  
16 economic development, provided however, that disadvantaged communities  
17 shall receive no less than thirty-five percent of the overall benefits  
18 of spending on clean energy and energy efficiency programs, projects or  
19 investments and provided further that this section shall not alter funds  
20 already contracted or committed as of the effective date of this  
21 section.

22 § 75-0119. Implementation reporting.

23 1. The department in consultation with the council shall, not less  
24 than every four years, publish a report which shall include recommenda-  
25 tions regarding the implementation of greenhouse gas reduction measures.

26 2. The report shall, at minimum, include:

27 a. Whether the state is on track to meet the statewide greenhouse gas  
28 emissions limits established in section 75-0107 of this article.

29 b. An assessment of existing regulations and whether modifications are  
30 needed to ensure fulfillment of the statewide greenhouse gas emissions  
31 limits.

32 c. An overview of social benefits from the regulations or other meas-  
33 ures, including reductions in greenhouse gas emissions and copollutants,  
34 diversification of energy sources, and other benefits to the economy,  
35 environment, and public health.

36 d. An overview of compliance costs for regulated entities and for the  
37 department and other state agencies.

38 e. Whether regulations or other greenhouse gas reduction measures  
39 undertaken are equitable, minimize costs and maximize the total benefits  
40 to the state, and encourage early action.

41 f. Whether activities undertaken to comply with state regulations  
42 disproportionately burden disadvantaged communities as identified pursu-  
43 ant to section 75-0111 of this article.

44 g. An assessment of local benefits and impacts of any reductions in  
45 co-pollutants related to reductions in statewide and local greenhouse  
46 gas emissions.

47 h. An assessment of disadvantaged communities' access to or community  
48 ownership of the services and commodities identified in section six of  
49 the chapter of the laws of two thousand nineteen which added this arti-  
50 cle.

51 i. Whether entities that have voluntarily reduced their greenhouse gas  
52 emissions prior to the implementation of this article receive appropri-  
53 ate credit for early voluntary reductions.

54 j. Recommendations for future regulatory and policy action.

1 3. In preparing this report, the department shall, at a minimum,  
2 consult with the council, and the climate justice working group estab-  
3 lished in section 75-0111 of this article.

4 4. The report shall be published and posted on the department's  
5 website.

6 § 3. Paragraphs f and g of subdivision 1 of section 54-1523 of the  
7 environmental conservation law, as added by section 5 of part U of chap-  
8 ter 58 of the laws of 2016, are amended and a new paragraph h is added  
9 to read as follows:

10 f. enabling communities to become certified under the climate smart  
11 communities program, including by developing natural resources invento-  
12 ries, right sizing of municipal fleets and developing climate adaptation  
13 strategies; ~~and~~

14 g. climate change adaptation planning and supporting studies, includ-  
15 ing but not limited to vulnerability assessment and risk analysis of  
16 municipal drinking water, wastewater, and transportation infrastruc-  
17 ture~~[-]~~; and

18 h. to establish and implement easily-replicated renewable energy  
19 projects, including solar arrays, heat pumps and wind turbines in public  
20 low-income housing in suburban, urban and rural areas.

21 § 4. The public service law is amended by adding a new section 66-p to  
22 read as follows:

23 § 66-p. Establishment of a renewable energy program. 1. As used in  
24 this section:

25 (a) "jurisdictional load serving entity" means any entity subject to  
26 the jurisdiction of the commission that secures energy to serve the  
27 electrical energy requirements of end-use customers in New York state;

28 (b) "renewable energy systems" means systems that generate electricity  
29 or thermal energy through use of the following technologies: solar ther-  
30 mal, photovoltaics, on land and offshore wind, hydroelectric, geothermal  
31 electric, geothermal ground source heat, tidal energy, wave energy,  
32 ocean thermal, and fuel cells which do not utilize a fossil fuel  
33 resource in the process of generating electricity.

34 2. No later than June thirtieth, two thousand twenty-one, the commis-  
35 sion shall establish a program to require that: (a) a minimum of seventy  
36 percent of the state wide electric generation secured by jurisdictional  
37 load serving entities to meet the electrical energy requirements of all  
38 end-use customers in New York state in two thousand thirty shall be  
39 generated by renewable energy systems; and (b) that by the year two  
40 thousand forty (collectively, the "targets") the statewide electrical  
41 demand system will be zero emissions. In establishing such program, the  
42 commission shall consider and where applicable formulate the program to  
43 address impacts of the program on safe and adequate electric service in  
44 the state under reasonably foreseeable conditions. The commission may,  
45 in designing the program, modify the obligations of jurisdictional load  
46 serving entities and/or the targets upon consideration of the factors  
47 described in this subdivision.

48 3. No later than July first, two thousand twenty-four and every two  
49 years thereafter, the commission shall, after notice and provision for  
50 the opportunity to comment, issue a comprehensive review of the program  
51 established pursuant to this section. The commission shall determine,  
52 among other matters: (a) progress in meeting the overall targets for  
53 deployment of renewable energy systems and zero emission sources,  
54 including factors that will or are likely to frustrate progress toward  
55 the targets; (b) distribution of systems by size and load zone; and (c)  
56 annual funding commitments and expenditures.

1 4. The commission may temporarily suspend or modify the obligations  
2 under such program provided that the commission, after conducting a  
3 hearing as provided in section twenty of this chapter, makes a finding  
4 that the program impedes the provision of safe and adequate electric  
5 service; the program is likely to impair existing obligations and agree-  
6 ments; and/or that there is a significant increase in arrears or service  
7 disconnections that the commission determines is related to the program.

8 5. No later than July first, two thousand twenty-four, the commission  
9 shall establish programs to require the procurement by the state's load  
10 serving entities of at least nine gigawatts of offshore wind electricity  
11 generation by two thousand thirty-five and six gigawatts of photovoltaic  
12 solar generation by two thousand twenty-five, and to support three giga-  
13 watts of statewide energy storage capacity by two thousand thirty.

14 6. In any proceeding commenced by the commission with a goal of  
15 achieving one hundred eighty-five trillion British thermal units of  
16 end-use energy savings below the two thousand twenty-five energy-use  
17 forecast, the commission will include mechanisms to ensure that, where  
18 practicable, at least twenty percent of investments in residential ener-  
19 gy efficiency, including multi-family housing, can be invested in a  
20 manner which will benefit disadvantaged communities, as defined in arti-  
21 cle seventy-five of the environmental conservation law, including low to  
22 moderate income consumers.

23 7. In the implementation of this section, the commission shall design  
24 programs in a manner to provide substantial benefits for disadvantaged  
25 communities, as defined in article seventy-five of the environmental  
26 conservation law, including low to moderate income consumers, at a  
27 reasonable cost while ensuring safe and reliable electric service.  
28 Specifically, the commission shall:

29 (a) To the extent practicable, specify that a minimum percentage of  
30 energy storage projects should deliver clean energy benefits into NYISO  
31 zones that serve disadvantaged communities, as defined in article seven-  
32 ty-five of the environmental conservation law, including low to moderate  
33 income consumers, and that energy storage projects be deployed to reduce  
34 the usage of combustion-powered peaking facilities located in or near  
35 disadvantaged communities;

36 (b) In pursuing the state's solar deployment goals, the New York state  
37 energy research and development authority shall consider enhanced incen-  
38 tive payments for solar and community distributed generation projects,  
39 focusing in particular but not limited to those serving disadvantaged  
40 communities, as defined in article seventy-five of the environmental  
41 conservation law, which result in energy cost savings or demonstrate  
42 community ownership models; and,

43 (c) In the allocation of ratepayer funds for clean energy, direct the  
44 New York state energy research and development authority and investor  
45 owned utilities to develop and report metrics for energy savings and  
46 clean energy market penetration in the low and moderate income market  
47 and in disadvantaged communities, as defined in article seventy-five of  
48 the environmental conservation law, and post such information on the  
49 authority's website.

50 § 5. This act shall be subject to current prevailing wage law.

51 § 6. Report on barriers to, and opportunities for, community ownership  
52 of services and commodities in disadvantaged communities. 1. On or  
53 before two years of the effective date of this act, the department of  
54 environmental conservation, in cooperation with the New York state ener-  
55 gy research and development authority and the New York power authority,  
56 with input from relevant state agencies, the environmental justice advi-

1 sory group as defined in section 75-0101 of the environmental conserva-  
2 tion law, the climate justice working group as defined in section  
3 75-0111 of the environmental conservation law and Climate Action Council  
4 established in article 75 of the environmental conservation law, and  
5 following at least two public hearings, shall prepare a report on barriers  
6 to, and opportunities for, access to or community ownership of the  
7 following services and commodities in disadvantaged communities as iden-  
8 tified in article 75 of the environmental conservation law:

9 a. Distributed renewable energy generation.

10 b. Energy efficiency and weatherization investments.

11 c. Zero-emission and low-emission transportation options.

12 d. Adaptation measures to improve the resilience of homes and local  
13 infrastructure to the impacts of climate change including but not limit-  
14 ed to microgrids.

15 e. Other services and infrastructure that can reduce the risks associ-  
16 ated with climate-related hazards, including but not limited to:

17 i. Shelters and cool rooms during extreme heat events;

18 ii. Shelters during flooding events; and

19 iii. Medical treatment for asthma and other conditions that could be  
20 exacerbated by climate-related events.

21 2. The report, which shall be submitted to the governor, the speaker  
22 of the assembly and the temporary president of the senate and posted on  
23 the department of environmental conservation website, shall include  
24 recommendations on how to increase access to the services and commod-  
25 ities.

26 3. The department of environmental conservation shall amend the scop-  
27 ing plan for statewide greenhouse gas emissions reductions in accordance  
28 with the recommendations included in the report.

29 § 7. Climate change actions by state agencies. 1. All state agencies  
30 shall assess and implement strategies to reduce their greenhouse gas  
31 emissions.

32 2. In considering and issuing permits, licenses, and other administra-  
33 tive approvals and decisions, including but not limited to the execution  
34 of grants, loans, and contracts, all state agencies, offices, authori-  
35 ties, and divisions shall consider whether such decisions are inconsis-  
36 tent with or will interfere with the attainment of the statewide green-  
37 house gas emissions limits established in article 75 of the  
38 environmental conservation law. Where such decisions are deemed to be  
39 inconsistent with or will interfere with the attainment of the statewide  
40 greenhouse gas emissions limits, each agency, office, authority, or  
41 division shall provide a detailed statement of justification as to why  
42 such limits/criteria may not be met, and identify alternatives or green-  
43 house gas mitigation measures to be required where such project is  
44 located.

45 3. In considering and issuing permits, licenses, and other administra-  
46 tive approvals and decisions, including but not limited to the execution  
47 of grants, loans, and contracts, pursuant to article 75 of the environ-  
48 mental conservation law, all state agencies, offices, authorities, and  
49 divisions shall not disproportionately burden disadvantaged communities  
50 as identified pursuant to subdivision 5 of section 75-0101 of the envi-  
51 ronmental conservation law. All state agencies, offices, authorities,  
52 and divisions shall also prioritize reductions of greenhouse gas emis-  
53 sions and co-pollutants in disadvantaged communities as identified  
54 pursuant to such subdivision 5 of section 75-0101 of the environmental  
55 conservation law.

1 § 8. Authorization for other state agencies to promulgate greenhouse  
2 gas emissions regulations. 1. The public service commission, the New  
3 York state energy research and development authority, the department of  
4 health, the department of transportation, the department of state, the  
5 department of economic development, the department of agriculture and  
6 markets, the department of financial services, the office of general  
7 services, the division of housing and community renewal, the public  
8 utility authorities established pursuant to titles 1, 1-A, 1-B, 11,  
9 11-A, 11-B, 11-C and 11-D of article 5 of the public authorities law and  
10 any other state agency shall promulgate regulations to contribute to  
11 achieving the statewide greenhouse gas emissions limits established in  
12 article 75 of the environmental conservation law. Provided, however, any  
13 such regulations shall not limit the department of environmental conser-  
14 vation's authority to regulate and control greenhouse gas emissions  
15 pursuant to article 75 of the environmental conservation law.

16 § 9. Chapter 355 of the laws of 2014, constituting the community risk  
17 and resiliency act, is amended by adding two new sections 17-a and 17-b  
18 to read as follows:

19 § 17-a. The department of environmental conservation shall take  
20 actions to promote adaptation and resilience, including:

21 (a) actions to help state agencies and other entities assess the  
22 reasonably foreseeable risks of climate change on any proposed projects,  
23 taking into account issues such as: sea level rise, tropical and extra-  
24 tropical cyclones, storm surges, flooding, wind, changes in average and  
25 peak temperatures, changes in average and peak precipitation, public  
26 health impacts, and impacts on species and other natural resources.

27 (b) identifying the most significant climate-related risks, taking  
28 into account the probability of occurrence, the magnitude of the poten-  
29 tial harm, and the uncertainty of the risk.

30 (c) measures that could mitigate significant climate-related risks, as  
31 well as a cost-benefit analysis and implementation of such measures.

32 § 17-b. Major permits for the regulatory programs of subdivision three  
33 of section 70-0107 of the environmental conservation law shall require  
34 applicants to demonstrate that future physical climate risk has been  
35 considered. In reviewing such information the department may require the  
36 applicant to mitigate significant risks to public infrastructure and/or  
37 services, private property not owned by the applicant, adverse impacts  
38 on disadvantaged communities, and/or natural resources in the vicinity  
39 of the project.

40 § 10. Nothing in this act shall limit the existing authority of a  
41 state entity to adopt and implement greenhouse gas emissions reduction  
42 measures.

43 § 11. Nothing in this act shall relieve any person, entity, or public  
44 agency of compliance with other applicable federal, state, or local laws  
45 or regulations, including state air and water quality requirements, and  
46 other requirements for protecting public health or the environment.

47 § 12. Review under this act may be had in a proceeding under article  
48 78 of the civil practice law and rules at the instance of any person  
49 aggrieved.

50 § 13. Severability. If any word, phrase, clause, sentence, paragraph,  
51 section, or part of this act shall be adjudged by any court of competent  
52 jurisdiction to be invalid, such judgement shall not affect, impair, or  
53 invalidate the remainder thereof, but shall be confined in its operation  
54 to the word, phrase, clause, sentence, paragraph, section, or part ther-  
55 eof directly involved in the controversy in which such judgement shall  
56 have been rendered.

1 § 14. This act shall take effect on the same date and in the same  
2 manner as a chapter of the laws of 2019, amending the environmental  
3 conservation law, relating to establishing a permanent environmental  
4 justice advisory group and an environmental justice interagency coordi-  
5 nating council, as proposed in legislative bills numbers S. 2385 and A.  
6 1564, takes effect; provided further, the provisions of section 75-0115  
7 of the environmental conservation law as added by section two of this  
8 act shall take effect October 1, 2022.