[Environment Code - Climate Action Plan]

Ordinance amending the Environment Code to update the City's climate action goals and planning process, and establish departmental roles and responsibilities; and affirming the Planning Department's determination under the California Environmental Quality Act.

NOTE: **Unchanged Code text and uncodified text** are in plain Arial font.
Additions to Codes are in *single-underline italics Times New Roman font*.
Deletions to Codes are in ~~*strikethrough italics Times New Roman font*~~.
Board amendment additions are in double-underlined Arial font.
Board amendment deletions are in ~~strikethrough Arial font~~.
Asterisks (* * * *) indicate the omission of unchanged Code subsections or parts of tables.

Be it ordained by the People of the City and County of San Francisco:

Section 1. The Planning Department has determined that the actions contemplated in this ordinance comply with the California Environmental Quality Act (California Public Resources Code Sections 21000 et seq.). Said determination is on file with the Clerk of the Board of Supervisors in File No. 210563 and is incorporated herein by reference. The Board affirms this determination.

Section 2~~1~~. Chapter 9 of the Environment Code is hereby amended by revising Sections 900, 901, and 902, repealing existing Sections 903, 904, 905, and 907, and adding new Sections 903, 904, 905, and 907, all to read as follows:

SEC. 900. FINDINGS AND PURPOSE.

The Board of Supervisors finds that:

(a) In 2016, the Paris Climate Agreement committed national governments to pursue efforts to limit temperature rises to 1.5 degrees Celsius. In 2018, the Intergovernmental Panel on Climate Change (IPCC) issued a special report on the impacts of global warming and the need to significantly reduce global greenhouse gas emissions well before 2030 to reduce the most detrimental impacts to ecosystems and to human health.

(b) In 2018, the United States' Fourth National Climate Assessment made clear that climate change will wreak havoc across the United States, and that the current pace and scale of national climate action are not sufficient to avert substantial damage to the environment, human health, and economy. According to the San Francisco Department of Public Health's Climate and Health Adaptation Framework (2017), the direct and indirect impacts of climate change will disproportionately affect San Francisco communities least able to prepare for, cope with, and recover from those impacts. Those communities include communities of color, low income communities, and other vulnerable populations.

(c) San Francisco, the Bay Area, and the State of California are already suffering the effects of climate change in the form of droughts, air pollution, extreme heat, frequent wildfires, flooding, and much more.

(d) At the 2018 Global Climate Action Summit, San Francisco committed to meet the Paris Agreement by achieving a net zero city by 2050. The City joined in a Climate Equity Pledge to ensure that the City's 2020 Climate Action Strategy update achieves the dual goals of advancing racial equity and decreasing carbon emissions.

(e) San Francisco's climate commitments and climate action strategy are framed by the City's "0-80-100-Roots" framework, which defines climate and sustainability goals in four key areas: zero waste ("0% zero waste"), transportation ("80% low-carbon trips"), energy ("100% renewable energy"), and carbon sequestration ("Roots").

(f) One of the City's fundamental goals in implementing the 0-80-100-Roots Climate Action Framework is to promote equity by ensuring that implementation reflects and responds to the economic, political, and social needs of different San Francisco vulnerable communities.

(g) Achieving the "0-80-100-Roots" goals in the City will mean cleaner air, fewer vehicles on the road, more reliable transit systems, more bike lanes and pedestrian-friendly networks, highly efficient homes and businesses powered by 100% clean electricity, a robust urban tree canopy, plentiful green spaces, improved soil health, and a regenerative ecosystem.

(h) Meaningful climate solutions will require increasing supplies of high-quality housing affordable to households at all income levels and located near local and regional transit service. These solutions will also require well-coordinated land use and transportation planning and investments to support low-carbon trips using efficient travel modes such as transit, walking, and biking, in order to reduce vehicle miles traveled and associated emissions.

(i) The success of the City in achieving its climate goals thus far has been clear: in 2019, San Francisco achieved a 41% reduction in greenhouse gas emissions below 1990 levels, surpassing the target reduction of 25% established by the Board of Supervisors. This success has been driven by the continued replacement of fossil fuel power generation with renewable sources, a cleaner electric grid, increased building energy efficiency, a transition to low-carbon transportation fuels, and a leading zero waste system.

(j) In 2019, the Board of Supervisors unanimously adopted Resolution No. 160-19, declaring a climate emergency in San Francisco and requesting immediate action to address the climate crisis, limit global warming to 1.5 degrees Celsius, and eliminate greenhouse gas emissions.

(k) The Department of the Environment's 2019 report titled "Focus 2030: A Pathway to Net Zero Emissions" shows that achieving accelerated emissions reductions by 2050 will require an ongoing commitment that builds upon and surpasses San Francisco's past successes and increases resources accordingly to continue to reduce emissions all the way to net zero.

~~*(a) In 2002, the Board of Supervisors adopted Resolution 158-02 that called for the City to develop plans to reduce its greenhouse gas emissions to 20 percent below 1990 levels by the year 2012.*~~

~~*(b) In 2004, the Department of the Environment and the San Francisco Public Utilities Commission issued "The Climate Action Plan For San Francisco," which included an accounting of greenhouse gas emissions associated with City activities, an accounting of greenhouse gas emissions within the City and County of San Francisco but not associated with City operations, and emission reduction recommendations for transportation, energy efficiency, renewable energy and solid waste management sectors.*~~

~~*(c) City Departments, under the leadership of the Department of the Environment and on their own initiative, are engaged in various undertakings to implement the recommendations in "The Climate Action Plan," and are making steady progress in certain areas toward the 2012 goal.*~~

~~*(d) In 2005, Governor Schwarzenegger issued Executive Order S-3-05 which established Statewide greenhouse gas emissions reduction targets for California as follows: by 2010, reduce greenhouse gas emissions to 2000 levels; by 2020, reduce greenhouse gas emissions to 1990 levels, and by 2050 reduce greenhouse gas emissions to 80 percent below 1990 levels.*~~

~~*(e) In 2006, California enacted AB 32, the California Global Warming Solutions Act of 2006. (CA Health and Safety Code Section 38.500 et seq.) which requires the California Air Resources Board to determine the statewide greenhouse gas emissions level in 1990, set that 1990 level as the statewide greenhouse gas emissions level to be achieved by 2020, and to adopt and implement statewide plans, protocols, rules and regulations to achieve and exceed the 2020 goals.*~~

~~*(f) It is the intent of the Mayor and the Board of Supervisors to protect the health and welfare in a manner that compliments state and federal efforts to improve air quality by exercising a leadership role in mandating local actions to reduce global warming, and, in particular, to call upon City departments and the private sector to integrate emission reduction measures into their standard*~~

~~*operating procedures in order that the City meets and exceeds the greenhouse gases emissions established in this Ordinance.*~~

SEC. 901. DEFINITIONS.

"0-80-100-Roots" means the City's climate action framework, where "0" refers to a goal of zero waste, "80" refers to a goal of 80% low-carbon trips, "100" refers to a goal of 100% renewable energy, and "Roots" refers to sequestering carbon through natural systems.

~~*(a) "CARB" means the California Air Resources Board.*~~

~~*(b) "Carbon Dioxide Equivalent" means the amount of carbon dioxide by weight that would produce the same global warming impact as a given weight of another greenhouse gas, based on the best available science, as determined by the Department of the Environment.*~~

~~*(c)*~~ "Climate Action Plan" means the *document required under Section 904 outlining the specific actions the City will* endeavor to *take to reduce Greenhouse Gas emissions and offset negative climate impacts.* ~~*"The Climate Action Plan For San Francisco" issued in 2004 by the Department of the Environment and the San Francisco Public Utilities Commission.*~~

"Consumption-Based Greenhouse Gas Emissions" means all the Greenhouse Gas emissions associated with producing, transporting, using, and disposing of products and services consumed by a particular community or entity in a given time period, including emissions generated outside the boundaries of the community or the geographic area where the entity is located.

~~*(d) "GHG emission reduction measure" means programs, measures, standards, and alternative compliance mechanisms authorized pursuant to Section 903, applicable to sources or categories of sources that are designed to reduce emissions of greenhouse gases.*~~

~~*(e)*~~ "~~*GHG",*~~ Greenhouse gas" ~~*or "greenhouse gases"*~~ means ~~*and includes*~~ *any and* all of the following gases: carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride.

~~*(f) "San Francisco Greenhouse Gas Emissions limit" means the combined level of greenhouse gas emissions, expressed in tons of carbon dioxide equivalents, from all sources within the geographic limit of the City and County of San Francisco, whether or not such source is subject to regulation by local law.*~~

"Hazards and Climate Resilience Plan" means the plan prepared by the Office of Resilience and Capital Planning (ORCP) to increase the resilience of all components that keep the City functioning: buildings, infrastructure, utilities, transportation, communication systems, and the people who live and work in San Francisco.

"Low-Carbon Trips" mean trips into, out of, and within the City's boundaries which generate zero or low greenhouse gas emissions.

"Net Zero Sector-Based Greenhouse Gas Emissions" means Sector-Based Greenhouse Gas Emissions after first eliminating emissions from fossil fuels and other sources, and then, for each ton of emissions that cannot be eliminated, removing a ton of carbon dioxide equivalent from the atmosphere.

"Renewable Energy" means energy qualifying as renewable pursuant to California Public Resources Code Chapter 8.6, Section 25741(a), and California Public Utilities Code Chapter 2.3, Article 16, Section 399.16(b)(1) or (2), as amended from time to time, or provided by a local publicly owned electric utility subject to California Public Utilities Code Chapter 2.3, Article 16, Section 399.30(j), as amended from time to time.

"Responsible Production and Consumption" means improving how materials and products are extracted, manufactured, delivered, acquired, used, reused, recycled, and disposed of to ensure that the production and consumption of materials and products promote basic human needs, are distributed in a socially equitable manner, and carried out in a way that minimizes environmental impacts over the lifecycle of those materials and products while matching the carrying capacity of the earth's resources and adding value so as not to jeopardize present and future generations. (See United Nations' Sustainable Development Goal 12.) "Lifecycle" means the complete material life of a product, good,

or service, including resource extraction, manufacture, assembly, construction, maintenance, transportation, operations or use, and end of life (reuse, recycling/composting, and disposal).

"Carrying capacity" means the number or amount of people, plants, and other living organisms that an ecosystem can support indefinitely without causing environmental degradation.

"Sector-Based Greenhouse Gas Emissions" means all of the Greenhouse Gas emissions generated within the geographic boundaries of the City in a given time period.

~~*(g) "SFPUC" mean the San Francisco Public Utilities Commission.*~~

SEC. 902. *CLIMATE ACTION GOALS* ~~*GREENHOUSE GAS EMISSIONS LIMIT*~~.

(a) The *City adopts the* following *targets for reducing* San Francisco *Greenhouse Gas emissions* ~~*greenhouse gas emissions limits are hereby established*~~:

(1) By 2030, a reduction in Sector-Based Greenhouse Gas Emissions of at least ~~61%~~ ~~70%~~ 61% *compared to 1990 levels;*

(2) By 2030, a reduction in Consumption-Based Greenhouse Gas Emissions to 30 mtCO2e per household or less, equivalent to a ~~40%~~ ~~50%~~ 40% *reduction compared to 1990 levels;*

(3) By ~~2045~~ 2040*, achievement of Net Zero Sector-Based Greenhouse Gas Emissions by reducing such emissions by at least 90% compared to 1990 levels and sequestering any residual emissions; and*

(4) By 2050, a reduction in Consumption-Based Greenhouse Gas Emissions to 10 mtCO2e per household or less, equivalent to an 80% reduction compared to 1990 levels.

For purposes of this Section 902, "residual emissions" means any carbon dioxide or other Greenhouse Gas emissions remaining after all technically and economically feasible mitigation measures have been implemented, and "sequestering" means removing those residual emissions from the atmosphere and storing them in natural systems that support soil fertility or through other carbon farming practices.

~~*(i) By 2008, determine 1990 City greenhouse gas emissions as provided in Section 902(c) below;*~~

~~*(ii) By 2017, reduce greenhouse gas emissions by 25 percent below 1990 levels;*~~

~~*(iii) By 2025, reduce greenhouse gas emissions by 40 percent below 1990 levels; and*~~

~~*(iv) By 2050, reduce greenhouse gas emissions to 80 percent below 1990 levels. These targets shall remain in effect unless otherwise amended or repealed.*~~

(b) In order to meet the emissions reduction targets set out in subsection (a), the City shall pursue the sustainability goals of the 0-80-100-Roots Climate Action Framework, as follows:

(1) Zero Waste. By 2030, a reduction in the generation of solid waste of at least 15% below 2015 levels and a reduction in the amount of solid waste disposed of by incineration or deposit in landfill of at least 50% below 2015 levels;

(2) Transportation. By 2030, an increase in low-carbon trips to at least 80% of all trips measured and an increase in the level of electrification of vehicles to at least 25% of all private vehicles registered, and by 2040, an increase in the level of electrification of vehicles to 100% of all private vehicles registered;

(3) Energy. By 2025, supplying 100% renewable electricity, and by 2040 ~~2045~~*, supplying 100% renewable energy;*

(4) Housing. Building at least *5,000 new housing units per year* with maximum affordability, *including* not less than *30% affordable units*, and with an emphasis on retaining and rehabilitating existing housing*;*

(5) Buildings. By 2021, requiring zero onsite fossil fuel emissions from all new buildings, and by 2035, requiring zero onsite fossil fuel emissions from all large existing commercial buildings; and

(6) Roots. Sequestering carbon through ecosystem restoration, including increased urban tree canopy, green infrastructure, and compost application.

(c) All climate action goals set out in subsection (b) shall also include the complementary goals of advancing racial and social equity, protecting public health (including the health needs of vulnerable populations), increasing community resilience, and fostering a more just economy.

~~*(b) All City departments shall consider the effect of all decisions and activities within their jurisdiction on green house gas emissions and undertake their responsibilities to the end that the City achieves the greenhouse gas emissions limits set forth in this Ordinance.*~~

~~*(c) No later than January 1, 2009, the Commission on the Environment, shall, after one or more public hearings, determine what the greenhouse gas emissions level within the City and County of San Francisco for City and private enterprise activities was in 1990. Such determination shall be the baseline level for determining the greenhouse gas emission limits to be achieved in 2017 and 2050, under subsection (a), above. In determining the 1990 level, the Department of the Environment shall take into consideration the inventory identified in the Climate Action Plan, the methodology adopted by the State Air Board under AB 32, and the best available scientific, technological, and economic information and shall make reasonable efforts, where appropriate, to promote consistency between its methodology and the methodology used by other international, federal and state greenhouse gas emission measurement and reporting programs.*~~

~~*(d) The Department of the Environment is urged to promulgate interim greenhouse gas emissions goals to facilitate the City's achievement of the 2017 and 2050 greenhouse gas emissions limits set forth in Subsection (a), above, provided, however, that such interim goals shall be for purposes of measuring the City's progress toward achieving the targets set forth in subsection (a), above and shall not be independently binding.*~~

~~*(e) The Department of the Environment shall, where appropriate and to the maximum extent feasible, work with other local, State And federal governmental agencies, including but not limited to the CARB, and non-profit entities to develop uniform standards and protocols for measuring, verifying and reporting on greenhouse gas emissions.*~~

~~***SEC. 903. GREENHOUSE GAS EMISSIONS REDUCTION PLAN.***~~

~~*(a) Consistent with its Charter duty regularly to produce an assessment of San Francisco's environmental condition, the Department of the Environment shall coordinate all departmental action plans, reports of actions taken, and their effectiveness in achieving the greenhouse gas emissions limits provided herein.*~~

~~*(b) The Department of the Environment, in cooperation with the SFPUC, shall manage the City's monitoring and reporting obligations imposed, from time to time, by Federal or State law, including but not limited to requirements imposed by the CARB under AB32.*~~

~~*(c) On or before January 30, 2009, all City departments shall assess GHG emissions associated with their activities and submit, in a format specified by the Department of the Environment, a written action plan that identifies and makes recommendations on GHG emission reduction measures applicable to*~~

~~*(i) operations of the department and other City greenhouse gas emission sources within its jurisdiction, and*~~

~~*(ii) private sector greenhouse gas emission sources regulated by the department. Such Plan shall identify the potential costs of identified measures and the estimated potential benefits of elements in the plan for reducing greenhouse gases, and may also identify other economic and non-economic impacts to the City's economy and environment*~~

~~*(d) In addition to the requirement set forth in subsection (d), above, the following requirements apply to the following City departments:*~~

~~*(i) The San Francisco Planning Department shall:*~~

~~*(A) Review the City's General Plan, including but not limited to the environmental protection, air quality, urban design and transportation elements, for consistency with this Ordinance and, as appropriate, urge the Planning Commission to recommend to the Board of*~~

~~*Supervisors amendments to the General Plan to add the greenhouse gas emissions limits in this Ordinance and policies to achieve those targets;*~~

~~*(B) Include consideration of a project's impact on the San Francisco greenhouse gas emissions limits in this Ordinance as part of its review under the California Environmental Quality Act (CEQA); and*~~

~~*(C) In consultation with the Executive Director of the Municipal Transportation Agency, Department of Public Health, San Francisco County Transportation Authority, the Department of the Environment and other affected City departments, review City transit, pedestrian, bicycle, parking, and transportation demand management programs and requirements within their jurisdiction and, as appropriate, recommend legislation to the Board of Supervisors that will enhance the City's "transit first" policy, encourage a shift to sustainable transportation modes for trips to, from, and within the City, and reduce transportation-related emissions to achieve City greenhouse gas emissions targets set forth in this Ordinance.*~~

~~*(ii) The San Francisco Department of Building Inspection shall review and, as appropriate, recommend to the Board of Supervisors amendments to the Building Code or other local laws (A) to improve energy efficiency in new construction and in repairs and alterations to existing buildings, (B) to optimize energy efficiency of HVAC, lighting, and other building systems, and (C) to mandate retrofitting of buildings at time of sale.*~~

~~*(iii) The Department of Public Works shall:*~~

~~*(A) Review maintenance and construction standards, programs and requirements within its jurisdiction and, as appropriate, develop orders, regulations, or amendments to the Department's Standard Plans and Specifications to address the policies of this Ordinance and/or recommend legislation to the Board of Supervisors, including amendments to the Public Works Code or other City codes or ordinances, to achieve the greenhouse gas emissions limits set forth in this Ordinance; and*~~

~~*(B) in consultation with the SFPUC and other affected City Departments, review, and as appropriate recommend changes to street and other public lighting standards to enhance energy efficiency and thereby reduce City greenhouse gas emissions.*~~

~~*(iv) The City Administrator shall:*~~

~~*(A) review, in consultation with the SFPUC, the energy efficiency of City buildings and city occupied leaseholds, and, as necessary, recommend cost effective steps to increase their efficiency, and*~~

~~*(B) in collaboration with the Department of the Environment and other affected City departments, review, and, as appropriate, recommend amendments to City procurement laws and practices, including but not limited to Chapter 2 of this Code (Environmentally Preferable Purchasing Ordinance), to include the impact of City procurement decisions on greenhouse gas emissions.*~~

SEC. 903. FUTURE CLIMATE ACTION GOALS.

(a) The San Francisco Public Utilities Commission, in consultation with relevant City departments, community stakeholders, and technical experts, shall identify water conservation targets that include sustainable use practices, water recycling, and water reuse.

(b) The Office of Resilience and Capital Planning, in consultation with the San Francisco Public Utilities Commission, the Department of the Environment, relevant City departments, community stakeholders, and technical experts, shall identify energy resilience targets that will help the City prepare for and recover from energy disruptions with the minimum use of additional fossil fuels.

~~***SEC. 904. MANDATORY ANNUAL GREENHOUSE GAS EMISSIONS REPORTING.***~~

~~*(a) Beginning at the close of fiscal year 2008-2009, no later than 90 days after the close of each fiscal year, all City departments shall submit, in a format specified by the Department of the Environment, a written update of the plans, status of any recommendation required by Section 903, and*~~

~~*the GHG emission reductions from actions taken to the Department of the Environment. Such updates shall, to the extent feasible, provide information to enable the Department of the Environment to calculate the City's progress toward meeting the greenhouse gas emissions limits set forth in this Ordinance.*~~

~~*(b) Beginning in January 2010, and annually thereafter, and based on the written reports required in Section 904(a) and such other reliable data as the Department of the Environment shall compile, the Department of the Environment shall report to the Board of Supervisors on the City's progress toward achieving the San Francisco greenhouse gas emissions limits of this Ordinance. Such annual report shall be consistent with the methodology established by the Department of the Environment under Section 903(c), except that the Department of the Environment may revise such methodology to conform to recognized protocols.*~~

SEC. 904. CLIMATE ACTION PLAN.

(a) By December 31, 2021, the Department of the Environment shall prepare and submit for the Mayor's approval a Climate Action Plan (CAP) which shall do all of the following:

(1) Align with the Paris Climate Agreement to limit global warming to 1.5 degrees Celsius, and with the emissions reduction targets established in Section 902.

(2) Incorporate an equity framework that addresses historic racial and social inequities; prioritizes social, economic, and environmental benefits derived from implementing the CAP; and ensures an equitable distribution of those benefits. This framework shall consider:

(A) The engagement and prioritization of those who are most impacted by climate change and have historically had the least influence in decision-making processes, including low-income communities of color and other impacted populations;

(B) Burdens and/or unintended consequences of related actions, especially for low-income communities of color and other vulnerable populations; and

(C) Social interventions needed to secure workers' rights and livelihoods when economies are shifting to responsible production and consumption, collectively referred to as a "just transition" framework, and other impacts on workforce and job opportunities.

(3) Identify and leverage synergies, where feasible, with the City's existing or proposed climate adaptation and mitigation measures set out in the Hazards and Climate Resilience Plan.

(4) Incorporate a health and vulnerable populations framework that shall consider:

(A) Climate and health co-benefits, especially targeted to populations and communities disproportionately impacted by climate change; and

(B) Potential negative health impacts to individual and communities, especially vulnerable populations.

(5) Include, but not be limited to, the following elements: energy supply; transportation and land use; building operations; housing; responsible production and consumption; and carbon sequestration. No later than one year after the adoption of the ordinance in Board File No. 210563 enacting this Section 904, the Department of the Environment in coordination with the Public Utilities Commission shall prepare a water element for the CAP.

(6) Identify strategies and/or make recommendations to achieve emissions reduction targets for all elements. If targets have not been established in Section 902, the CAP shall recommend approaches on goals and principles. Each strategy or recommendation shall:

(A) Identify parties responsible for implementation;

(B) Incorporate an estimated cost; and

(C) Contain key performance indicators and explicit equity metrics to measure progress.

(b) The Department of the Environment shall update the Climate Action Plan every five years.

~~***SEC. 905. ENFORCEMENT.***~~

~~*The Department of the Environment shall report any non-compliance with the reporting requirements of this Ordinance to the Mayor and the Board of Supervisors.*~~

SEC. 905. CITY DEPARTMENT ROLES AND RESPONSIBILITIES.

(a) The Department of the Environment shall be the lead agency for developing and publicizing the Climate Action Plan, including updates. The Department shall:

(1) Lead the development of strategies, key performance indicators, and equity metrics to be included in the CAP;

(2) Coordinate an interagency effort with the Planning Department, Municipal Transportation Agency, Department of Public Works, Department of Public Health, Department of Building Inspection, City Administrator's Office, Office of Resilience and Capital Planning, San Francisco Public Utilities Commission and other relevant City agencies to develop and adopt updates to the CAP; and

(3) Work with relevant agencies, key stakeholders, and community members to develop, adopt, and monitor the implementation of the CAP.

(b) The Planning Department shall:

(1) Review the City's Planning Code to ensure that Area Plans and development projects are consistent with the targets and aims set out in the CAP and this Chapter 9;

(2) Review the City's General Plan for consistency and support of the City's Greenhouse Gas emissions targets and climate action goals, with guidance from the State's Office of Planning and Research on incorporating climate change and resilience into land use planning, and, as needed, update and amend relevant elements through the support of the Planning Commission and Board of Supervisors;

(3) Continue to implement State, regional, and/or local requirements to consider a project's Greenhouse Gas impacts as part of its review under the California Environmental Quality Act (CEQA) regarding San Francisco's emissions targets in this Chapter 9; and

(4) Advance plans, policies, and projects that support increased affordable *housing production* ~~for all income levels~~*, especially in proximity to public transit, and that preserve affordable housing at low- and moderate-income levels.*

(c) The Department of Public Health shall:

(1) In consultation with the Department of the Environment, develop an element of the CAP addressing climate impacts on health and vulnerable populations, including:

(A) Analyzing climate change as a public health threat;

(B) Identifying inequalities in the distribution of public health impacts; and

(C) Connecting climate action strategies to associated health and equity co-benefits.

(2) Develop a health and vulnerable populations framework for evaluating proposed climate action strategies to inform the implementation of those strategies; and

(3) Monitor and evaluate climate, health, and equity metrics in cooperation with public agencies and key stakeholders, including the San Francisco Health Improvement Partnership; share data with City departments and the public; and use the data to continually improve strategic actions and address emerging issues, gaps, and unintended consequences impacting health and vulnerable populations.

(d) The Department of Building Inspection shall:

(1) Support the development and implementation of high-performance green building codes to achieve higher levels of energy efficiency and the eventual elimination of the use of fossil fuels in buildings to achieve San Francisco's emissions targets set forth in Section 902; and

(2) Work with the Department of the Environment on the development of strategies, actions, key performance indicators, and equity metrics to be included in the buildings element of the CAP.

(e) The Department of Public Works shall:

(1) Consider San Francisco's emissions targets set forth in Section 902 in updates related to the Department's Standard Plans and Specifications and in the design, construction, maintenance and management of public buildings and infrastructure projects;

(2) Work with City departments and stakeholders to ensure that the public right-of-way allows for electrification of buildings and transportation; and

(3) Work with the Department of the Environment on the carbon sequestration element of the CAP, including consideration of the climate and resilience benefits of planting and maintaining street trees, median landscaping, and pocket parks.

(f) The San Francisco Municipal Transportation Agency shall:

(1) Work with the Department of the Environment, the Planning Department, the San Francisco County Transportation Authority and the Department of Public Health to develop and implement projects, strategies, actions, key performance indicators, and equity metrics to be included in the transportation and land use element of the CAP, with an emphasis on advancing projects that shift single-occupant automobile trips to other modes of transportation ("mode shift") by prioritizing the right-of-way for low-carbon and efficient modes through efforts such as improved parking management, utilization of pricing, development of local and regional transit and active mobility networks, and electrifying gas-powered vehicles.

(2) Act as the lead agency on coordinating with other relevant departments and other key stakeholders to ensure that the transportation and land use element reflects the City's policy and programmatic priorities in this area, including the integration of existing Citywide transportation planning efforts, goals, data sources, and other considerations into the CAP.

(g) The San Francisco Public Utilities Commission shall:

(1) Lead the development of strategies, actions, key performance indicators, and equity metrics to be included in the energy element of the CAP, including proposals for meeting the City's Renewable Energy goals and for developing community programming that reduces Greenhouse Gas emissions and incentivizes electrification.

(2) Maintain energy supply portfolios for its energy-providing programs that align with the Greenhouse Gas emission targets set forth in Section 902.

(h) The Office of Resilience and Capital Planning under the City Administrator shall:

(1) Collaborate with the Department of the Environment and other City departments to align long-term funding needs with climate adaptation or mitigation strategies and to reflect those priorities in the 10-year capital plan and in agency capital plans; and

(2) Work with the Department of the Environment and other departments to coordinate and prioritize climate adaptation and mitigation strategies articulated in the Office's Hazards and Climate Resilience Plan and the CAP.

(i) The Purchasing Department under the City Administrator shall work with the Department of the Environment and other departments to review, and, as appropriate, recommend amendments to City procurement laws and practices, including but not limited to Chapter 2 of this Code (Environmentally Preferable Purchasing Ordinance), to include the impact of City procurement decisions on achieving City emissions reduction targets and achieving other environmental and health benefits.

(j) All City agencies shall, as needed:

(1) Provide data, information, and feedback to the Department of the Environment in developing the CAP;

(2) Consider the effect of decisions and activities under their jurisdiction on the goals of reducing Greenhouse Gas emissions and at the same time promoting racial and social equity, consistent with the CAP and the goals set forth in Section 902;

~~(3) Streamline the review and approval processes for housing projects, particularly those projects with 100% affordable housing and development agreement projects;~~

(43) Coordinate with other City departments on the development and implementation of climate-related regulations;

(54) Improve interagency coordination and communication, and coordinate funding where feasible, to advance ongoing City initiatives with co-benefits for climate change, health and equity, including Vision Zero, Transit First, and City targets for affordable housing development; and

(65) Support community engagement efforts for the CAP.

~~***SEC. 907. LOCAL ENERGY GENERATION.***~~

~~*The Board of Supervisors urges the SFPUC to develop and to implement an energy action plan that includes at least the following:*~~

~~*(a) In coordination with the Department of the Environment, develop a plan to achieve the goal of San Francisco becoming fossil fuel free by 2030;*~~

~~*(b) In coordination with the Department of the Environment, setting annual goals for generating electricity locally through renewable generation; and*~~

~~*(c) Integrating the greenhouse gas emissions targets and policies of this Ordinance into the Sewer Master Plan.*~~

SEC. 907. MONITORING, EVALUATION, AND REPORTING.

(a) The City shall demonstrate its long-term commitment to reducing Greenhouse Gas emissions and advancing racial and social equity by measuring and reporting emissions, tracking key performance indicators and equity metrics, and monitoring the City's progress on meeting its climate action goals and commitments.

(b) The Department of the Environment shall, with the assistance from relevant City agencies:

(1) Measure and monitor Sector-Based Greenhouse Gas Emissions, including municipal emissions, using best available global protocols for preparing Citywide Greenhouse Gas emission inventories.

(2) Measure production and consumption emissions using best available global methodologies for preparing consumption-based emission inventories.

(3) Evaluate Sector-Based Greenhouse Gas Emissions against set targets, document production and consumption emissions, and produce a Greenhouse Gas emissions report.

(4) Establish a monitoring and reporting process for the implementation of the CAP that:

(A) Tracks key performance indicators and equity metrics for strategies to help monitor their progress and implementation;

(B) Reports progress against the Paris Agreement and its goal of limiting global warming to 1.5 degrees Celsius.

(5) Request and receive data from City departments starting August of every year to support:

(A) The annual Greenhouse Gas emissions inventory. City departments may be asked to provide data on, but not limited to, the following: their energy use; types of fuels used for their operations; fuel volume; vehicle-miles travelled (if applicable) within their jurisdictions; and private sector Greenhouse Gas emission sources regulated by the department. Departments may also be requested to verify emission estimates and assumptions and review resulting reports;

(B) Monitoring and reporting of CAP implementation. City departments may be asked to provide data on key performance indicators and equity metrics related to adopted strategies and actions; and

(C) The development and delivery of annual municipal building energy benchmarking reports.

(6) Coordinate with other City agencies to monitor, track, and report on climate action progress to local, state, national, and global partners.

(7) Report its findings in a progress report to the public every two years.

Section 3 ~~2~~. Effective Date. This ordinance shall become effective 30 days after enactment. Enactment occurs when the Mayor signs the ordinance, the Mayor returns the ordinance unsigned or does not sign the ordinance within ten days of receiving it, or the Board of Supervisors overrides the Mayor's veto of the ordinance.

Section 4 ~~3~~. Scope of Ordinance. In enacting this ordinance, the Board of Supervisors intends to amend only those words, phrases, paragraphs, subsections, sections, articles, numbers, punctuation marks, charts, diagrams, or any other constituent parts of the Municipal Code that are explicitly shown in this ordinance as additions, deletions, Board amendment additions, and Board amendment deletions in accordance with the "Note" that appears under the official title of the ordinance.

APPROVED AS TO FORM:
DENNIS J. HERRERA, City Attorney

By: /s/ Thomas J. Owen
THOMAS J. OWEN
Deputy City Attorney

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City and County of San Francisco
Tails
Ordinance

City Hall
1 Dr. Carlton B. Goodlett Place
San Francisco, CA 94102-4689

File Number: 210563 **Date Passed:** July 27, 2021

Ordinance amending the Environment Code to update the City's climate action goals and planning process, and establish departmental roles and responsibilities; and affirming the Planning Department's determination under the California Environmental Quality Act.

July 19, 2021 Land Use and Transportation Committee - AMENDED, AN AMENDMENT OF THE WHOLE BEARING SAME TITLE

July 19, 2021 Land Use and Transportation Committee - AMENDED, AN AMENDMENT OF THE WHOLE BEARING SAME TITLE

July 19, 2021 Land Use and Transportation Committee - RECOMMENDED AS AMENDED AS A COMMITTEE REPORT

July 20, 2021 Board of Supervisors - AMENDED

Ayes: 11 - Chan, Haney, Mandelman, Mar, Melgar, Peskin, Preston, Ronen, Safai, Stefani and Walton

July 20, 2021 Board of Supervisors - AMENDED

Ayes: 11 - Chan, Haney, Mandelman, Mar, Melgar, Peskin, Preston, Ronen, Safai, Stefani and Walton

July 20, 2021 Board of Supervisors - PASSED ON FIRST READING AS AMENDED

Ayes: 11 - Chan, Haney, Mandelman, Mar, Melgar, Peskin, Preston, Ronen, Safai, Stefani and Walton

July 27, 2021 Board of Supervisors - FINALLY PASSED

Ayes: 11 - Chan, Haney, Mandelman, Mar, Melgar, Peskin, Preston, Ronen, Safai, Stefani and Walton

File No. 210563

I hereby certify that the foregoing Ordinance was FINALLY PASSED on 7/27/2021 by the Board of Supervisors of the City and County of San Francisco.

Angela Calvillo
Clerk of the Board

London N. Breed
Mayor

8/4/21

Date Approved