

1 [Environment Code - Climate Action Plan]

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3 **Ordinance amending the Environment Code to update the City’s climate action goals**
4 **and planning process, and to update City Departments’ roles and responsibilities**
5 **regarding the City’s climate action goals; and affirming the Planning Department’s**
6 **determination under the California Environmental Quality Act.**

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

11

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

13

14 Section 1. Environmental Findings.

15 The Planning Department has determined that the actions contemplated in this
16 ordinance comply with the California Environmental Quality Act (California Public Resources
17 Code Sections 21000 et seq.). Said determination is on file with the Clerk of the Board of
18 Supervisors in File No. 260177 and is incorporated herein by reference. The Board affirms
19 this determination.

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21 Section 2. Chapter 9 of the Environment Code is hereby amended by revising
22 Sections 900, 901, 902, 903, 904, 905, 907, 908, and 909, and deleting Section 906, to read
23 as follows:

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CHAPTER 9:

GREENHOUSE GAS EMISSIONS TARGETS AND DEPARTMENTAL ACTION PLANS

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 ~~g~~Greenhouse ~~g~~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, and those effects will worsen in the form of droughts, air pollution, extreme heat, frequent wildfires, flooding, and much more. According to the 2023 San Francisco Extreme Heat Vulnerability Assessment, beginning in 2035, San Francisco will experience between two and eight times more days of extreme heat compared to 1960-1990 conditions. The State's most recent Climate Change Assessment (2019), projects that sea levels in San Francisco may rise by as much as 66 inches by 2100 and that the Bay Area faces heightened wildfire risk and increasing water stress.

1 both of which compound existing social and environmental vulnerabilities. Statewide, the Assessment
2 concludes that more frequent and severe droughts, extreme heat events, and ecosystem disruptions are
3 collectively endangering agriculture, biodiversity, and public health.

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

8 ~~—(e) San Francisco’s climate commitments and climate action strategy are framed by the~~
9 ~~City’s “0-80-100-Roots” framework, which defines climate and sustainability goals in four key areas:~~
10 ~~zero waste (“0% zero waste”), transportation (“80% low-carbon trips”), energy (“100% renewable~~
11 ~~energy”), and carbon sequestration (“Roots”).~~

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

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

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

25 ~~(i) The City’s success of the City in achieving its climate goals thus far has been clear: in~~

1 ~~2019, San Francisco achieved a 41% reduction in greenhouse gas emissions below 1990 levels,~~
2 ~~surpassing the target reduction of 25% established by the Board of Supervisors. This success has been~~
3 ~~driven by the continued replacement of fossil fuel power generation with renewable sources, a cleaner~~
4 ~~electric grid, increased building energy efficiency, a transition to low-carbon transportation fuels, and~~
5 ~~a leading zero waste system.~~

6 (f) In 2019, the Board of Supervisors unanimously adopted Resolution No. 160-19,
7 declaring a climate emergency in San Francisco and requesting immediate action to address
8 the climate crisis, limit global warming to 1.5 degrees Celsius, and eliminate ~~g~~Greenhouse
9 ~~g~~Gas emissions.

10 (g) In 2021, the Board of Supervisors updated this Chapter 9 of the Environment Code,
11 setting a goal for San Francisco to reach net-zero emissions by 2040.

12 (h) In 2022, the IPCC published the Sixth Assessment Report containing the best available
13 climate science. The report found that Greenhouse Gas emissions from human activities have caused
14 global warming, that global temperatures have reached 1.1 degree Celsius above those of pre-
15 industrial times, and that emissions continue to increase and pose multiple hazards.

16 (i) In 2024, the Department of the Environment published its latest Sector-Based Greenhouse
17 Gas Emissions inventory, based on data from 2022, which found that San Francisco’s two largest
18 emissions sources are the transportation (45%) and building (44%) sectors, indicating that prioritizing
19 these two sectors for policy action and investment will have the greatest impact on reducing emissions.

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

1 **SEC. 901. DEFINITIONS.**

2 For the purpose of this Chapter 9, the following terms shall have the following meanings:

3 ~~“0-80-100 Roots” means the City’s climate action framework, where “0” refers to a goal of~~
4 ~~zero waste, “80” refers to a goal of 80% low-carbon trips, “100” refers to a goal of 100% renewable~~
5 ~~energy, and “Roots” refers to sequestering carbon through natural systems.~~

6 “Carbon Removal” means the process of removing carbon dioxide from the atmosphere
7 through either nature-based approaches or technological methods to safely and securely store the
8 carbon dioxide over the long term.

9 “Circular Economy” means improving how goods, food, services, and materials are
10 designed, used, and reused to end waste and conserve natural resources in a regenerative manner that
11 strengthens the environment, communities, and the economy. A Circular Economy ensures that benefits
12 are distributed equitably; basic human needs are met with dignity; and residents, businesses, and
13 government are more resilient to climate and economic shocks.

14 “Climate Action Plan” means the document required under Section 904 of this Chapter
15 9 outlining the specific actions the City will endeavor to take to reduce Greenhouse Gas
16 emissions and offset negative climate impacts.

17 “Climate Budgeting” means the process to systematically integrate climate considerations
18 into the City’s financial planning and align City resources with the Climate Action Plan to ensure
19 sustainability and climate resiliency are embedded across all levels of City government.

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

25 “Greenhouse Ggas” means any ~~and all~~ of the following gases: carbon dioxide,

1 methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride.

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

6 ~~—“Low Carbon Trips” mean trips into, out of, and within the City’s boundaries which generate
7 zero or low greenhouse gas emissions.~~

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

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

17 ~~—“Responsible Production and Consumption” means improving how materials and products
18 are extracted, manufactured, delivered, acquired, used, reused, recycled, and disposed of to ensure that
19 the production and consumption of materials and products promote basic human needs, are distributed
20 in a socially equitable manner, and carried out in a way that minimizes environmental impacts over the
21 lifecycle of those materials and products while matching the carrying capacity of the earth’s resources
22 and adding value so as not to jeopardize present and future generations. (See United Nations’
23 Sustainable Development Goal 12.) “Lifecycle” means the complete material life of a product, good, or
24 service, including resource extraction, manufacture, assembly, construction, maintenance,
25 transportation, operations or use, and end of life (reuse, recycling/composting, and disposal).~~

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

3 “Residual Emissions” means any carbon dioxide or other Greenhouse Gas emissions
4 remaining after all technically and economically feasible mitigation measures have been implemented.

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

7 “Sequestering” means removing Residual Emissions from the atmosphere.

9 **SEC. 902. CLIMATE ACTION GOALS.**

10 (a) The City adopts the following targets for reducing San Francisco Greenhouse
11 Gas emissions:

12 (1) By 2030, a reduction in Sector-Based Greenhouse Gas Emissions of at least
13 61% compared to 1990 levels;

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

16 (3) By 2040, achievement of Net Zero Sector-Based Greenhouse Gas Emissions
17 by reducing such emissions ~~by at least 90%~~ compared to 1990 levels and ~~s~~Sequestering any
18 ~~r~~Residual ~~e~~Emissions; and

19 (4) By 2050, a reduction in Consumption-Based Greenhouse Gas Emissions to
20 10 mtCO₂e per household or less, equivalent to an 80% reduction compared to 1990 levels.

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

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

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

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

11 ~~—(3) Energy. By 2025, supplying 100% renewable electricity, and by 2040, supplying 100%~~
12 ~~renewable energy;~~

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

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

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

21 (1) Energy Supply. Continue to offer 100% renewable electricity and/or Greenhouse Gas-
22 free electricity to all; by 2030, ensure all residents and businesses use 100% renewable and/or
23 Greenhouse Gas-free electricity; and, by 2040, transition all energy uses Citywide to 100% renewable
24 and/or Greenhouse Gas-free sources;

25 (2) Buildings Operations. By 2030, reduce building emissions by 20% from 2020 levels by

1 decarbonizing the equivalent of 18,000 buildings, and by 2040, reduce building emissions completely
2 so that all buildings are zero emission;

3 (3) **Transportation.** By 2030, achieve a 25% reduction in per-capita vehicle miles traveled
4 and by 2040, achieve a 30% reduction relative to 2019 levels by supporting policies that enable new
5 housing in locations close to schools, jobs, and other essential goods and services, reducing the need
6 for longer trips, and by implementing strategies that increase the use of transit, walking, and biking; by
7 2030, ensure that at least 25% of cars and small trucks registered in San Francisco are zero emission,
8 and by 2035, ensure at least 25% of large trucks and other heavier duty vehicles are zero emission;
9 and, by 2040, ensure all cars and small trucks are zero emission;

10 (4) **Housing and Land Use.** By 2030, plan for 82,000 new housing units, including at least
11 36,000 in well-resourced neighborhoods, prioritizing affordability, transit-oriented development, and
12 increased density along major transit corridors;

13 (5) **Circular Economy.** By 2030, attain a reduction in the generation of solid waste of at
14 least 15% below 2015 levels and a reduction in the amount of solid waste disposed of by incineration
15 or deposit in landfill of at least 50% below 2015 levels; and by 2035, reach a 40% net reduction in
16 Greenhouse Gas emissions from building materials compared to the 2026 industry average baseline
17 established by the State;

18 (6) **Healthy Ecosystems.** By 2030, ensure that 30-40% of San Francisco's land area is
19 permeable, with at least 30% of the land area being biodiverse greenspace; by 2040, ensure every San
20 Franciscan lives within a 10-minute walk from nature; and, by 2040, plant enough trees to achieve a
21 net increase of 30,000 trees for a total of 155,000 street trees, thereby completing the street tree
22 network and enhancing a healthy urban forest; and

23 (7) **Water Supply.** Maximize water use efficiency to keep indoor and outdoor residential
24 water use under the State's 2030 standard for indoor residential water use of 42 gallons per capita per
25 day; and enhance the resilience of San Francisco's water supply by 2045 by increasing local water

1 sources to include 2.5 million gallons per day (mgd) of recycled water, and 4 mgd of groundwater, and
2 by exploring additional new water supplies, while maintaining the Hetch Hetchy gravity-driven water
3 delivery system.

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

8 9 **SEC. 903. FUTURE CLIMATE ACTION GOALS.**

10 The City shall pursue the following future climate action goals:

11 (a) ~~The San Francisco Public Utilities Commission, in consultation with relevant City~~
12 ~~departments, community stakeholders, and technical experts, shall identify water conservation targets~~
13 ~~that include sustainable use practices, water recycling, and water reuse.~~ Research, explore, and identify
14 best practices for Carbon Removal that could allow the City to remove atmospheric carbon dioxide
15 equivalent to San Francisco's residual Greenhouse Gas emissions; and

16 (b) ~~The Office of Resilience and Capital Planning, in consultation with the San Francisco~~
17 ~~Public Utilities Commission, the Department of the Environment, relevant City departments,~~
18 ~~community stakeholders, and technical experts, shall identify energy resilience targets that will help the~~
19 ~~City prepare for and recover from energy disruptions with the minimum use of additional fossil fuels.~~
20 Research, establish, and implement Climate Budgeting that integrates the City's climate goals,
21 specified in Section 902 of this Chapter 9, with budgeting, policy, and decision-making processes.

22 23 **SEC. 904. CLIMATE ACTION PLAN.**

24 (a) By December 31, 2026~~7~~, the Department of the Environment shall prepare and
25 submit for the Mayor's approval ~~an updated~~ an updated Climate Action Plan (CAP) which shall do all of

1 the following:

2 (1) Align with the Paris Climate Agreement to limit global warming to 1.5 degrees
3 Celsius, and with the emissions reduction targets established in Section 902 of this Chapter 9.

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

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

11 (B) Climate and health benefits, especially targeted to populations and communities
12 disproportionately impacted by climate changes;

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

15 (DE) Social interventions needed to secure workers' rights and livelihoods when
16 economies are shifting to ~~responsible production and consumption~~ a Circular Economy, collectively
17 referred to as a "just transition" framework, and other impacts on workforce and job
18 opportunities.

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

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

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

25 ~~—(B) Potential negative health impacts to individual and communities, especially~~

1 ~~vulnerable populations.~~

2 (45) Include, but not be limited to, the following elements: energy supply;
3 ~~transportation and land use;~~ building operations; transportation; housing and land use; Circular
4 Economy; healthy ecosystems; and water supply. ~~housing; responsible production and consumption;~~
5 ~~and carbon sequestration. No later than one year after the adoption of the ordinance in Board File No.~~
6 ~~210563 enacting this Section 904, the Department of the Environment in coordination with the Public~~
7 ~~Utilities Commission shall prepare a water element for the CAP.~~

8 (56) Identify strategies and/or make recommendations to achieve emissions
9 reduction targets for all elements and identify parties responsible for implementation. ~~If targets~~
10 ~~have not been established in Section 902, the CAP shall recommend approaches on goals and~~
11 ~~principles. Each strategy or recommendation shall:~~

12 — (A) ~~Identify parties responsible for implementation;~~

13 — (B) ~~Incorporate an estimated cost; and~~

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

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

18 **SEC. 905. CITY DEPARTMENT ROLES AND RESPONSIBILITIES.**

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

21 (1) Shall, in coordination with implementing departments, lLead the development of
22 strategies, key performance indicators, and equity metrics ~~to be included in the CAP;~~

23 (2) Shall maintain a publicly accessible dashboard updated at least once a year, reporting
24 on Greenhouse Gas emissions, indicators, and climate action progress;

25 (32) Shall ~~C~~oordinate an interagency effort with the ~~Planning Department, Municipal~~

1 ~~Transportation Agency, Department of Public Works, Department of Public Health, Department of~~
2 ~~Building Inspection, City Administrator's Office, Office of Resilience and Capital Planning, San~~
3 ~~Francisco Public Utilities Commission, City Administrator's Office, Department of Building~~
4 ~~Inspection, Department of Public Health, Department of Public Works, Mayor's Office of Housing and~~
5 ~~Community Development, Municipal Transportation Agency, Office of Economic and Workforce~~
6 ~~Development, Office of Resilience and Capital Planning, Planning Department, Port of San Francisco,~~
7 ~~San Francisco International Airport, Public Utilities Commission, Recreation and Park Department,~~
8 and other relevant City agencies, as well as the County Transportation Authority, to develop and
9 adopt updates to the CAP; and

10 (4) May adopt rules and regulations related to the administration of this Chapter 9.

11 (b) All City departments shall:

12 (1) Ensure all department-level decisions and commitments are consistent with the CAP
13 and this Chapter 9;

14 (2) Attend convenings hosted by the Mayor's Office at least twice a year to review
15 progress towards the goals outlined in the CAP, identify barriers, identify potential solutions, and
16 advance cross-departmental collaboration;

17 (3) Provide data, information, and feedback requested by the Department of the
18 Environment to develop, implement, report about, and evaluate the CAP;

19 (4) Report to the Department of the Environment on key performance indicators related to
20 climate and equity outcomes, including equity metrics designed to measure progress towards the CAP's
21 climate and environmental justice objectives; and,

22 (5) Support community engagement efforts for the CAP.

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

25 ~~—(b) The Planning Department shall:~~

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

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

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

11 —(4)— ~~Advance plans, policies, and projects that support increased affordable housing~~
12 ~~production, especially in proximity to public transit, and that preserve affordable housing at low and~~
13 ~~moderate income levels.~~

14 —(c)— ~~The Department of Public Health shall:~~

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

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

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

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

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

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

1 *populations.*

2 ~~—(d) The Department of Building Inspection shall:~~

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

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

9 ~~—(e) The Department of Public Works shall:~~

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

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

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

18 ~~—(f) The San Francisco Municipal Transportation Agency shall:~~

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

1 ~~networks, and electrifying gas-powered vehicles.~~

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

6 ~~—(g) The San Francisco Public Utilities Commission shall:~~

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

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

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

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

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

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

1 ~~—(j) All City agencies shall, as needed:~~

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

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

7 ~~—(3) Coordinate with other City departments on the development and implementation of~~
8 ~~climate-related regulations;~~

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

12 ~~—(5) Support community engagement efforts for the CAP.~~

13
14 **~~SEC. 906. MARKET-BASED COMPLIANCE MECHANISMS.~~**

15 ~~—(a) The Department of the Environment, utilizing the expertise of relevant City Departments~~
16 ~~and Agencies, shall research and, as appropriate, recommend legislation to the Board of Supervisors,~~
17 ~~concerning whether and how to develop or utilize available market-based compliance mechanisms,~~
18 ~~such as greenhouse gas emissions exchanges, banking, credits, and other similar transactions governed~~
19 ~~by rules and protocols established by the City, CARB or other recognized governmental or non-profit~~
20 ~~entity as credit toward City greenhouse gas emission reductions.~~

21 ~~—(b) The Department of the Environment shall provide technical assistance, and coordinate~~
22 ~~City applications for, any approved market-based mechanisms that the City intends to use in~~
23 ~~furtherance of achieving the San Francisco greenhouse gas emissions limit.~~

24
25 **~~SEC. 9067. MONITORING, EVALUATION, AND REPORTING.~~**

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

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

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

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

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

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

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

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

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

23 (A) The ~~annual~~ Greenhouse Gas emissions inventory. City departments may be
24 asked to provide data ~~on, but not limited to, the following: their energy use; types of fuels used for~~
25 ~~their operations; fuel volume; vehicle miles travelled (if applicable) within their jurisdictions; and~~

1 ~~private sector Greenhouse Gas emission sources regulated by the department. Departments may also~~
2 ~~and be requested to~~ verify emission estimates and assumptions and review resulting reports;

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

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

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

10 (7) ~~Report its findings in a progress report to the public every two years~~ Issue an annual
11 progress report and provide formal presentations to the Mayor and the Board of Supervisors at the
12 midpoint and conclusion of each five-year Climate Action Plan period.

13 14 **SEC. 907~~8~~. MISCELLANEOUS.**

15 (a) **Severability.** If any section, subsection, sentence, clause, or phrase of this
16 Ordinance is for any reason held to be invalid or unconstitutional by a decision of any court of
17 competent jurisdiction, such decision shall not affect the validity of the remaining portions of
18 the Ordinance. The Board of Supervisors hereby declares that it would have passed this
19 Ordinance and each and every section, subsection, sentence, clause, or phrase not declared
20 invalid or unconstitutional without regard to whether any portion of this Ordinance would be
21 subsequently declared invalid or unconstitutional.

22 (b) **No Conflict With Federal Or State Law.** Nothing in this Ordinance shall be
23 interpreted or applied so as to create any requirement, power or duty in conflict with any
24 Federal or State law. Any ~~and all~~ Greenhouse Gas reduction activities adopted and
25 implemented under this Ordinance are intended to be complementary and nonduplicative of

1 measures required or to be adopted by any State or Federal agency under State or Federal
2 law. Nothing in this Ordinance shall relieve any person, entity, including any City Department
3 or City Official of compliance with other applicable Federal, State, or local laws or regulations,
4 including Federal or State air and water quality requirements, and other requirements for
5 protecting public health or the environment.

6 (c) **Undertaking For The General Welfare.** In undertaking the implementation of
7 this Ordinance, the City is assuming an undertaking only to promote the general welfare. It is
8 not assuming, nor is it imposing on its officer and employees, an obligation for breach of
9 which it is liable in money damages to any person who claims that such breach proximately
10 caused injury.

11
12 **SEC. 9089. IMPLEMENTATION OF ALL-ELECTRIC BUILDING STANDARD.**

13 (a) The Department of Environment (“Department”) shall coordinate with the
14 Department of Building Inspection in implementation of the All-Electric building requirement in
15 Section 106A.1.17 of the Building Code, and shall provide technical assistance to support San
16 Francisco residents, workers, and businesses through the transition to building electrification.

17 (b) The Department shall hold at least one public meeting annually to discuss the
18 annual report from the Department of Building Inspection detailing the status of applications
19 for permits to construct new Mixed-Fuel Buildings pursuant to an exception to Building Code
20 Section 106A.1.17.

21 ~~—(c) Concurrent with implementation of the All-Electric building requirement, the San~~
22 ~~Francisco Public Utilities Commission will evaluate opportunities for the expansion of non-potable~~
23 ~~onsite water treatment systems, graywater heat recovery systems, and solar thermal water heating, and~~
24 ~~shall present findings and recommendations to the Board of Supervisors by no later than March 1,~~
25 ~~2021~~

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Section 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.

Section 4. Effective Date. This ordinance shall become effective at 12:00 a.m. on the 31st day 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.

APPROVED AS TO FORM:
DAVID CHIU, City Attorney

By: /s/ Christina Fletes-Romo _____
CHRISTINA FLETES-ROMO
Deputy City Attorney

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