

RESOLUTION NO. _____

WHEREAS, carbon dioxide (CO₂) and other greenhouse gases are known to trap heat at the Earth's surface, leading to increased atmospheric temperatures; and

WHEREAS, recent historical planetary CO₂ concentrations were below 280 parts per million (PPM) but current planetary CO₂ concentrations exceed 415 PPM and continue to rise rapidly; and

WHEREAS, there is overwhelming scientific consensus that planetary temperatures have risen more than 1.8 degrees Fahrenheit (F) above late 19th century levels and that climate-related problems exist worldwide including unstable weather, droughts, wildfires, flooding, extreme heat, species loss, sea level rise, food shortages, and human displacement; and

WHEREAS, in 2016, 194 countries and the European Union agreed in the Paris Climate Agreement to attempt to limit the planetary temperature increase to 2.7 F above pre-industrial levels; and

WHEREAS, the United Nations' Intergovernmental Panel on Climate Change (IPCC) warned that planetary CO₂ levels must fall 45 percent below 2010 levels by 2030 in order to meet the 2.7 F goal; and

WHEREAS, worldwide GHG emissions exceeded 49,000,000,000 tonnes in 2010, and California GHG emissions were 424,000,000 tonnes in 2017; and

WHEREAS, SMUD GHG emissions were 1,755,000 tonnes in 2018; and

WHEREAS, each 1.8 F increase in average annual temperature is projected to reduce the Gross Domestic Product of Sacramento County by 4%, resulting in significant economic and public health impacts;ⁱ and

WHEREAS, the physical impacts of climate change are already impacting frontline, vulnerable communities which bear little responsibility for the crisis, exacerbating societal injustice; and

WHEREAS, for more than 70 years, the community-owned, not-for-profit Sacramento Municipal Utility District (SMUD) has been the Sacramento region's committed energy partner and has led the way in providing environmentally responsible energy and environmental stewardship to benefit its customers and community; and

WHEREAS, the SMUD Board of Directors has a long history of environmental stewardship including (1) pioneering renewable energy programs and standards, (2) setting a greenhouse gas emissions reduction goal of 90% below 1990 emission levels by 2050 (3) partnering since 1990 to plant over 500,000 shade trees throughout the region that significantly improve air quality, sequester carbon and lower energy bills; and (4) helped grow the local market for solar development by providing \$130 million in customer incentives to install solar on over 15,000 rooftops; and

WHEREAS, the SMUD Board of Directors believes in creating a sustainable future for all of our customers and community and has made significant investments in new technologies and progressive approaches to carbon reduction, which has resulted in reduced greenhouse gas emissions of 50% from 1990 levels in 2018 (the equivalent of removing 377,000 vehicles from the road) and has reduced the carbon intensity of its power mix, which is now, on average, more than 50% percent carbon-free; and

WHEREAS, in 2018, SMUD's Board of Directors adopted SMUD's 2040 Energy Plan, which serves as the roadmap for how SMUD will achieve net-zero greenhouse gas emissions by 2040, resulting in a 64% reduction in Sacramento County's greenhouse gas emissions thereby improving local air quality for our customers and community; and

WHEREAS, SMUD's 2040 Energy Plan establishes a unique approach to carbon reduction that calls for nearly \$7 billion in investments over the next 20 years that prioritizes local investment in regional building and transportation electrification, significantly increases procurement of zero-emission generation resources and energy storage and, encourages energy efficiency and demand response programs, in order to achieve SMUD's greenhouse gas reduction goals while maintaining affordable rates and reliable electric service; and

WHEREAS, SMUD's 2040 Energy Plan recognizes that the people most likely to be disproportionately burdened by the adverse effects of climate change live in underserved and low-income communities; and

WHEREAS, through the Sustainable Communities Initiative, SMUD leverages investments in carbon reductions by engaging our community partners to target and maximize the benefits to neighborhoods that are most in need and together we collectively promote, create, and sustain healthy communities; and

WHEREAS, while SMUD has made significant progress in reducing CO2 emissions associated with its power supply, the SMUD Board of Directors recognizes the risk of uncontrolled climate change and is committed to do more to expand and accelerate the reduction of CO2 emissions in pursuit of its 2040 Energy Plan and beyond; and

WHEREAS, SMUD, as a community-owned, not for profit electric utility, is uniquely situated to support and enable partner organizations and community members to reduce CO2 emissions; **NOW, THEREFORE**

**BE IT RESOLVED BY THE BOARD OF DIRECTORS
OF THE SACRAMENTO MUNICIPAL UTILITY DISTRICT:**

Section 1. The Board of Directors recognizes and acknowledges a planetary climate emergency and declares a climate emergency within its jurisdiction.

Section 2. The Board of Directors aligns with the aspirational goal established by the Mayors' Climate Commission that the region work cooperatively to strive to be carbon neutral by 2030.

Section 3. The Board of Directors intends to effectively leverage the expertise, wisdom and contributions of the public in planning for and reaching SMUD's climate goals.

Section 4. The Board of Directors encourages and promotes the expansion of partnerships with local cities, counties, agencies and other partners to leverage opportunities to achieve the greatest climate benefits to all residents.

Section 5. The Board of Directors commits, in partnership with the Sacramento community, to further develop clear, actionable, and measurable strategies and plans to reach SMUD's climate goals.

Section 6. The Board of Directors instructs the CEO and General Manager or his/her designee to urgently make all prudent efforts consistent with SMUD Policies to minimize regional GHG emissions and continue to explore ways to reach net-carbon zero faster than the 2040 goal.

ⁱ Estimating economic damage from Climate Change in the United States. Hsaing et al, *Science* 30 Jun 2017:
Vol. 356, Issue 6345, pp. 1362-1369