

RESOLUTION NO. 22-154

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CARSON, CALIFORNIA, SUPPORTING THE ALLIANCE FOR RENEWABLE CLEAN HYDROGEN ENERGY SYSTEMS

WHEREAS, The City of Carson is committed to a long-term vision of deep decarbonization and pollution reduction especially along the various road and freeway corridors that negatively impact the Carson community; and

WHEREAS, the Carson City Council recognizes that reaching the vision of a carbon free economy will require a wide array of renewable resources, storage, and carbon free fuels such as green hydrogen, and that many processes and sectors cannot currently be decarbonized using existing battery electric technology; and

WHEREAS, clean renewable “green” hydrogen is produced from 100% renewable resources such as electricity from the sun, wind and water, and green hydrogen is a key ingredient in a global response to the unexpectedly rapid rate of climate change caused by fossil fuels which impacts California and the world; and

WHEREAS, green hydrogen can lessen the impacts on public health and environment of short-lived climate pollutants from fossil fuel production, consumption, and transport activities, and with proper guardrails green hydrogen can alleviate the disproportionate safety and pollution burdens experienced by frontline workers and communities of color including Carson residents surrounded by transit corridors and ports; and

WHEREAS, green hydrogen offers enormous promise in advancing zero-carbon solutions and a replacement to diesel and natural gas, particularly for the most difficult-to-decarbonize industrial sectors, such as long-haul goods movement through trucking, shipping and aviation, heavy industry, long duration energy storage, and more; and

WHEREAS, in advancing carbon-free energy to produce green hydrogen, we can create gains in system reliability and resilience, create local jobs, help secure energy independence, and minimize supply chain disruptions, all while curbing climate change and growing the economy, including the deployment of green hydrogen as a promising source of next-generation workforce opportunities and high-skilled, high-paid jobs and careers; and

WHEREAS, however similar to other renewable energy solutions in their infancy such as solar and wind generation, green hydrogen currently faces technical and social obstacles to broad adoption ranging from cost-competitiveness to capacity and storage challenges, as well as lack of public awareness, acceptance and support, requiring additional government involvement and incentives; and

WHEREAS, the federal Bipartisan Infrastructure Law (BIL), enacted in 2021, mandates that starting in 2022 through 2027, funding will be made available to establish at least 4 regional public private partnership clean hydrogen hubs across the United States with at least one focused on the use

of renewable sources to produce, store, and use green hydrogen; and

WHEREAS, these clusters will prioritize significant renewable resources, availability of large scale hydrogen storage possibilities, key hydrogen and clean energy transportation corridors, and coastal/port systems and other hard-to-decarbonize industries with a need for clean energy and reduced pollution; and

WHEREAS, to realize the goal of a green hydrogen hub in California, a consortium of institutional, private, community, labor and civic sponsors have come together to accelerate societal transition to a carbon free economy by charting a path to a viable green hydrogen solution based on renewable energy under the umbrella of the Alliance for Renewable Clean Hydrogen Energy Systems (ARCHES) in response to the Federal Infrastructure Bill and this green hydrogen hub would have deployment centers clustered in Southern California and the San Francisco Bay Area, along with viable projects that also extend into the Central Valley and possibly neighboring states; and

WHEREAS, ARCHES is committed to addressing these challenges through an impactful statewide network, with broad stakeholder and community engagement and the ARCHES team aims to bring together public and private sectors, connecting State and local government, research institutions, organized labor, along with workforce education and development, private business, and nonprofit organizations through the strong lenses of environmental, social, and economic justice; and

WHEREAS, to realize this vision, ARCHES will bring together and engage different industries, academia, utilities, regional and state governments, unions, municipalities including Carson, trade organizations, non-profits, and only by bringing together all relevant parties can a unified large scale hydrogen vision and efficient, rapid deployment be realized, thereby allowing quick promulgation of discoveries, experience, learnings and knowledge; and

WHEREAS, the management and organization of ARCHES is by nature of a broad and complex scope, thereby requiring the establishment of a new public private partnership organization familiar and experienced with large, complex governance structures, one which can also be agile, adaptable, and holistic in its approaches; and

WHEREAS, a handful of cities and organizations including Los Angeles and Long Beach have already begun coordinating in support of ARCHES and are seeking a collaborative approach to requesting funding from the Department of Energy to establish the Greater Los Angeles Metropolitan area, of which Carson is an integral part, for consideration to become a green hydrogen hub.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF CARSON, CALIFORNIA, DOES HEREBY RESOLVE, DECLARE, DETERMINE AND ORDER AS FOLLOWS:

SECTION 1. The foregoing recitals are true and correct and are incorporated herein by reference.

SECTION 2. The City Council finds as follows:

(a) the City of Carson offers its full support to the ARCHES initiative and will support the development of this diverse and experienced public-private partnership to help ensure that the deployment of new zero-emission hydrogen technologies addresses the concerns and needs of environmental justice within Carson and the broader harbor area community.

(b) The City of Carson will help shape a regional hydrogen hub and will seek to become a beneficiary of funding due to the significant adjacency of Carson to the Ports of Long Beach and Los Angeles.

(c) The City of Carson will be a key stakeholder in the clean hydrogen hub development for production, storage, distribution, and use.

SECTION 4. This Resolution shall take effect immediately upon its adoption.

SECTION 5. Should any provision, section, paragraph, sentence or word of this Resolution be rendered or declared invalid by any final court action in a court of competent jurisdiction or by reason of any preemptive legislation, the remaining provisions, sections, paragraphs, sentences or words of this Resolution as hereby adopted shall remain in full force and effect.

SECTION 6. The City Clerk shall certify to the adoption of this Resolution and enter it into the book of original Resolutions.

PASSED, APPROVED AND ADOPTED this 19th day of July, 2022.

Lula Davis-Holmes, Mayor

APPROVED AS TO FORM:

Sunny K. Soltani, City Attorney

ATTEST:

Dr. Khaleah Bradshaw, City Clerk

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS:
CITY OF CARSON)

I, Khaleah Bradshaw, City Clerk of the City of Carson, do hereby certify that the foregoing Resolution, being Resolution No. 22-154, was passed and approved by the City Council of the City of Carson, at its meeting held on July 19, 2022, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Dr. Khaleah Bradshaw, City Clerk