

West Davis Active Adult Center Sustainability Goals Matrix and Action Summary

Transportation	Energy	Water	Open Space and Parks (Site Planning)
Goal 1: Serve as a model for low-carbon, climate-resilient development that also enhances the fiscal and equitable sustainability of the broader community.	Goal 1: Serve as a model for low-carbon, climate-resilient development that also enhances the fiscal and equitable sustainability of the broader community.	Goal 1: Serve as a model for low-carbon, climate-resilient development that also enhances the fiscal and equitable sustainability of the broader community.	Goal 1: Serve as a model for low-carbon, climate-resilient development that also enhances the fiscal and equitable sustainability of the broader community.
Objective 1.1: Achieve sustainability lower GHG emissions per capita for both residents and employees of the district compared to baseline levels, in support of the City of Davis' and UC Davis' long-term goals to achieve carbon neutrality.	Objective 1.2: Encourage innovative site and building design that encourages a healthy and interconnected natural and built environment, conserves natural resources, and promotes equitable and efficient communities.	Objective 1.2: Encourage innovative site and building design that encourages a healthy and interconnected natural and built environment, conserves natural resources, and promotes equitable and efficient communities.	Objective 1.2: Encourage innovative site and building design that encourages a healthy and interconnected natural and built environment, conserves natural resources, and promotes equitable and efficient communities.
Objective 1.2: Encourage innovative site and building design that encourages a healthy and interconnected natural and built environment, conserves natural resources, and promotes equitable and efficient communities.	Objective 1.4: Promote and demonstrate resiliency to the effects of climate change and other challenges through project design.	Objective 1.4: Promote and demonstrate resiliency to the effects of climate change and other challenges through project design.	Objective 1.4: Promote and demonstrate resiliency to the effects of climate change and other challenges through project design.
Objective 1.3: Promote and demonstrate resiliency to the effects of climate change and other challenges through project design.	Goal 3: Design and Construct high performance buildings, public lighting, and on-site renewable energy systems that work towards achieving ZNE by development build-out.	Goal 4: Maximize water and wastewater efficiency and protect water quality through the use of water conservation, water reuse, and integrated landscaping and stormwater management strategies.	Goal 5: Create synergy with other project design goals and existing community sustainability initiatives.
Goal 2: Strive for carbon neutral transportation through the use of innovative designs, infrastructure, technologies, and programs.	Objective 3.1: Achieve high-performance buildings at a minimum 30 percent compliance margin relative to the 2013 Title 24 Building Energy Efficiency Standards, or equivalent. High-performance buildings will also incorporate energy consumption feedback mechanisms in order to encourage resident and employee engagement and minimize wasted energy use.	Objective 4.1: Meet or exceed 2013 CALGreen Tier 1 water use efficiency requirements for indoor water use.	Objective 5.1: Preserve and promote the health of future residents and employees and the local ecosystem.
Objective 2.1: Reduce automobile dependency and reduce vehicle trips generated within the District by 10 percent compared to original project trip generation forecasts, working towards the communitywide goal of achieving 50 percent non-single-occupancy-vehicle (SOV) mode share for residential and commercial development by 2035.	Objective 3.2: Other building loads not covered by Title 24 will also achieve high levels of efficiency, (i.e. 100 percent high-efficiency lighting, ENERGY STARS appliances and equipment), and lighting will be adaptive where practicable.	Objective 4.2: Minimize use of potable water in outdoor landscaping and maximize the use of non-potable water.	Objective 5.2: Ensure appropriately sited and programmed open spaces and parks, in order to meet the recreational needs of new residents and employees while maximizing habitat connectivity, public health, active transportation connectivity, and stormwater management.
Objective 2.2: Achieve a 20 percent reduction in project-related vehicle miles traveled (VMT), compared to original project VMT forecasts.	Objective 3.3: Design the development to achieve ZNE such that all site energy use is offset with renewable energy generation on an annual basis. To the extent possible, on-site generation will be used to meet this objective; however, off-site generation and purchase of renewable energy offsets will also be considered. Site energy use to be offset includes building energy use, all street and area site lighting, and other community related energy uses such as pools and community buildings. It does not include mobile sources / transportation-related energy use.	Objective 4.3: Work towards achieving zero net water usage through use of best management practices and innovative technologies.	Objective 5.3: Provide access to local agriculture, including on-site agriculture in the form of community gardens, rooftop gardens, vertical aeroponic farming, and other options.
Objective 2.3: Achieve maximum connectivity and safety for pedestrians, bicyclists, and transit users.		Objective 4.4: Incorporate creative low-impact development (LID) solutions to meet stormwater treatment and water quality requirements.	Objective 5.6: Incorporate opportunities to educate and empower future residents and employees to increase awareness of resource consumption and their carbon footprint.
Objective 2.4: Incentivize the use of clean, energy-efficient, active (i.e., human powered), and economically sustainable means of travel.			
Objective 2.5: Achieve an average vehicle ridership (AVR) of 1.5 for peak period commutes trips by employees of the project office uses.			

