ID	Measure Description	2020 Target	2035 Target	Status	2022 Updates
	Energy				
E-1	Building Retrofit Program Reduce residential and commercial energy use	Reduce electricity consumption by 36.4 million kWh/yr. Reduce natural gas consumption by 260,000 therms from the 2010 baseline	Reduce electricity consumption by 91.6 million kWh/yr. from the 2010 baseline Reduce natural gas consumption by 962,500 therms from the 2010 baseline	On-Track	 Education and Outreach In September 2019, the City launched the DIY Energy and Sustainability Toolkit. The DIY Toolkit gives residents the tools and resources they need to complete an at home DIY energy audit. The toolkit contains no-cost giveaways including showerheads, LED light bulbs, and weather stripping, and teaches users the importance of energy, water, and waste efficiency. 14 residents checked out a toolkit in 2022, and over 100 toolkits have been checkout since the toolkit was launched. The Toolkit program was made possible thanks to a grant from SDG&E's Emerging Cities program and in October 2020, the City received an additional \$29K to replenish toolkit supplies and increase education and outreach. This included two videos and social media posts about an updated sanitized and contactless checkout process and resident testimonial. The City was awarded the SDG&E 2020 Energy Showcase Award and was recognized for CAP efforts and the DIY Energy Saving and Sustainability Toolkit. The Toolkit inspired the County of San Diego and City of Chula Vista to create similar programs The City continues to update the website to include information and resources to encourage energy conservation efforts and promote rebate and increative programs.
E-2	Shade Tree Program Develop a shade tree program	250 new shade trees planted	1,575 new shade trees planted	On-Track	 Community Forestry Plan The City was awarded a \$385,000 grant from Cal Fire in 2019 to fund the development of a Community Forestry Plan. The City completed and City Council adopted the La Mesa Urban Forest Management Plan in June 2022. This will guide municipal policies and efforts for the next 40 years to ensure the growth of a healthy urban forest. The City also works with Tree San Diego and other community partners to provide education and outreach to the public on key urban forestry concepts and hosted tree planting education events for City Staff and La Mesa residents at the 2022 Earth Day Fair. Tree Planting In partnership with Urban Corps and Tree San Diego, the City is coordinating the Cal Fire grant funded tree planting program and communicated with over 700 residents to plant 350 trees in the public right of way throughout the City. Residents sign a tree watering agreement to assist in watering the tree and are also encourage to participate in a Tree Steward Training provided by Tree San Diego. Tree Canopy Analysis Through the CalFire grant, the City continues to evaluate the City's tree canopy to better understand opportunities for enhanced growth for years to come. Education and Outreach Urban forestry information continues to be updated has been added to the City's website. A "Tree Interest Form" is on the City's website to encourage residents to share their interest in expanding the urban canopy and are provided information on upcoming free planting workshops and volunteer opportunities.
E-3	Municipal Energy Efficiency Reduce municipal energy use.	Reduce electricity consumption at municipal facilities by 124,000 kWh from 2005 municipal inventor levels Reduce natural gas consumption at municipal facilities by 1,275 therms form the 2004 municipal inventory Implement all improvements recommended in the La Mesa Energy Roadmap	facilities by 248,000 kWh from 2005 municipal inventory levels	On-Track	 Energy Efficiency Upgrades The City continues to indoor lighting fixtures to efficient LED's as they burn out. Municipal Energy Use Electricity consumption in municipal facilities continue to be monitored to identify saving opportunities, with 3.74 million kWh in 2022. Natural gas consumption in municipal facilities continue to be monitored to identify saving opportunities, with 22,524 Therms in 2022. In 2022, natural gas usage decreased by 54% from 2021 due to savings from the municipal pool repairs and upgrades. Comprehensive Energy Program In 2022, the City began exploring a large comprehensive energy program for all municipal facilities which will begin in 2023. The purpose of the program is to conduct building energy audits, and identify and construct projects for energy conservation measures, onsite renewable energy, battery storage, and electric vehicle charging infrastructure.

E-4	Public Lighting Reduce energy consumption in the City's traffic signals, street lights, and park lighting	Retrofit all City-owned traffic and street lights to energy efficient alternatives	Reduce public lighting energy consumption by 50% from 2005 levels	On-Track	 Exterior Lighting All City-maintained street lights were retrofitted to high-efficiency induction street lights in 2011. Streetlights continued to be switched out to LED lights when a light burns out. All City-owned street and park lighting were benchmarked in the City's asset management database to track outages, upgrades, and other efficiency opportunities. The City's park/athletic field lights, street lights and traffic lights were added to a scope of work for a comprehensive energy program to begin in 2023.
E-5	Solar Photovoltaic Program Install solar PV systems on residential and non- residential property, and identify opportunities for municipal installations	6.4 MW solar capacity installed community wide	12.9 MW solar capacity installed community-wide	On-Track	 Solar Installations A total of 678 photovoltaic solar permits were issued in 2022. This is a 60% increase from 2021. 4.41 MW (DC) of solar capacity were installed in La Mesa in 2022. Battery Storage Installations A total of 60 battery permits were issued in 2022 Education & Outreach The City website continues to be updated with information and resources on solar programs and incentives to encourage increased adoption of distributed renewable energy. Permitting Process The City continues to expedite permit review for roof-mounted solar installations of 10kW or less on one and two-family dwellings. This initiative has been in place since 2015. City Facilities The City continues to explore adding onsite renewable energy and battery storage and were added to a scope of work for a comprehensive energy program to begin in 2023.
E-6	Solar Hot Water Heater Program Install solar water heaters in new construction and building retrofits	5,100 therms/yr. saved	6,300 therms/yr. saved	Ahead	Solar Hot Water Installations • There were no solar hot water heater permits issued in 2022. Education • The City website continues to be updated with information and resources on solar hot water heating programs. City Facilities • The City continues to explore adding solar hot water heating at City facilities, especially at the Municipal Pool and Spa, and were added to a scope of work for a comprehensive energy program to begin in 2023.
E-7	Solar-Ready Construction Incorporate solar-ready design into new construction.	-	-	On-Track	Green Building Standards • In 2022, Council adopted the 2023 Green Building Code, which define zero net energy and renewable energy building requirements. These standards are being enforced starting January 2023. Staff will continue monitoring State building code updates and ensure the City's building code provides for Green Building Standards consistent with updated regulations.
E-8	Zero Net Energy Construction Implement California's zero net energy building standards for new residential construction starting in 2020 and new non- residential construction starting in 2030	-	14,800 MWh of new residential electricity demand is off-set 708,450 therms of new residential natural gas demand is off-set 5,800 MWh of new non- residential natural gas demand is off-set 83,000 therms of new non- residential natural gas demand is off-set	On-Track	Green Building Standards • In 2022, Council adopted the 2023 Green Building Code, which define zero net energy and renewable energy building requirements. These standards are being enforced starting January 2023. Staff will continue monitoring State building code updates and ensure the City's building code provides for Green Building Standards consistent with updated regulations.

E-9	100% Clean Energy Partner with other San Diego County jurisdictions to develop a regional Community Choice Aggregation program with 100% renewable energy	-	80% of La Mesa residents and businesses participate in a CCA or similar program that provides 100% renewable electricity	On-Track	 Community Choice Aggregation (CCA or community choice) In October 2018 the cities of Chula Vista, La Mesa, and Santee partnered on a CCA Feasibility Study. The Study was completed in July 2019 and found that a community choice program could offer competitive rates to La Mesa residents and business and support the City's CAP goals. In September 2019, La Mesa City Council approved community choice through a regional program in partnership with Chula Vista, Encinitas, Imperial Beach, and San Diego. The regional program, called San Diego Community Power (SDCP), will began serving municipal customers in 2021 and business and residential customers in 2022. SD Community Power's founding documents also commit the agency to serve customers with 100% renewable electricity by 2035. The City of La Mesa upgraded to Power100 and powers all City faciliities with 100% renewable electricity, instead of the defaul program PowerOn at 55%. In 2022, there are 27,702 SDCP accounts with a 95.4% participation rate, and 118 Power100 customers.
T-1		Install 3 miles of new Class II bike lanes (in addition to existing 12.8 miles)	Install 10 miles of new Class II bike lanes (in addition to existing 12.8 miles) Increase percentage of bike commuters by 0.3% from 2010 levels	On-Track	 Bike Lanes and Sidewalks Although no bike lanes were installed in 2022, the City has added bike boxes along the Class 2 bike lane along University Ave which increases bicyclist visibility and safety at intersections. Due to new methodology used to analyze bike and pedestrian infrastructure, the City updated its inventory of bike lanes and sidewalks with more accurate data. To date, the City has 33 miles of Class 2 bike lanes and 28 miles of Class 3 bike lanes. To date, the City has 277 miles of sidewalk Infrastructure Improvements The City received grant funding to install a new public bike repair station outside City Hall. The City received grant funding to install pedestrian crossings in 12 new locations and pedestrian signal upgrades in another 12 locations. The City continues to apply and receive grant funding for sidewalk and bike lane installations. As streets and intersections are repaired, the City adds bike lanes and traffic and safety improvements if feasible. Grants The City was awarded \$250,000 from the federal Highway Safety Improvement Program Grant with a local match in funds exceeding 100% for 12 new pedestrian crossings across the City. The City was awarded a \$189,000 grant for pedestrian signal updates in 12 locations across the City. The purpose of the updates is to increase pedestrian accessibility.

Т-2	Bicycle Safety Program Implement a bicycle program to advance community-wide bikeability through safety programs, bicycle tune-up clinics, and partnerships with bicycle advocacy groups, local school, and cycling clubs.	-	On-Track	 Vision Zero In September 2018, City Council adopted a Vision Zero Policy. The policy strives to reduce traffic fatalities to zero by 2035 through infrastructure improvements, data analysis, education, and planning. In support of this initiative, the City: The City coordinated with a consultant to develop a La Mesa Boulevard Complete Streets Plan, funded by a Caltrans Sustainable Communities Grant. Public workshops occurred in 2022 for Phase 1. The City continues to draft and finalize the Plan. Continues to implement the Neighborhood Traffic Management Program, which allows residents to petition for traffic calming measures on their streets. The City has an internal Vision Zero team that meets quarterly CO by Bike Mini-Grant In 2022 the City was awarded a GO by Bike Mini-Grant from SANDAG's iCommute program. This funding allowed for a number of in-person and virtual bike safety for that included a bike rodeo, with 60 attendees Held a Bike Safety Foir that included a bike rodeo, with 60 attendees Held a Bike Maintenance Tune-Up event for City employees La Mesa WalksI La Mesa WalksI is a community walking group that meets Wednesday mornings. The walks are used as a forum to educate residents of City projects, programs and events while also promoting walking as a fun means of transportation. In 2022, La Mesa Walks had 376 participants who walked 109.39 miles. Safe Routes to School The City continued its work with 6 elementary schools and 1 middle school through the Safe Routes to School Program which educates students and parents on safe biking and walking habits as a way to commute to and from school.
T-3	Transportation Safety and Demand Management Program Utilize SANDAG's iCommute program to reduce single-occupancy vehicle trips community-wide	Reduce VMT per capita by 6% compared to 2010 levels (25.1 daily VMT per capita in 2010)	On-Track	 City of La Mesa + iCommute Collaboration In 2022 the City was awarded a GO by Bike Mini-Grant from SANDAG's iCommute program. The City was awarded the Gold Award for the iCommute Diamond Awards, which recognizes employers in San Diego region who have made strides to promote alternative commute choices in the workplace Education and Outreach The City website includes information and resources about SANDAG's iCommute program to make residents aware of the free programs and incentives available through iCommute. The City shares iCommute information and resources with City staff.
T-4	Mixed-Use and Transit-Oriented Development Continue to encourage mixed-use and transit- oriented development through land use and zoning designations to support alternative transportation opportunities.	Reduce VMT per capita by 6% compared to 2010 levels (25.1 daily VMT per capita in 2010)	On-Track	 TOD Projects In 2022 the first TOD project was completed in the City. Jefferson La Mesa has 230 units. In 2022 a TOD project located at 8181 Allison, was approved. The new development will have 147 units, all affordably priced. Development The City issued 63 ADU permits in 2022, providing more efficient housing options for La Mesa residents. Applications are continuously being reviewed and approved. The City received State Senate Bill 2 Planning Grant funds to engage a consultant to assist in preparation of a guide on development of ADUs focused on single-family homeowners interested in adding an ADU to their property. The guide is currently being developed and will be released early 2023.

T-5	Alternative Refueling Infrastructure Development Support community-wide use of alternative fuel vehicles through expansion of alternative vehicle refueling infrastructure.	-	Reduce VMT per capita by 6% compared to 2010 levels (25.1 daily VMT per capita in 2010)	On-Track	 Electric Vehicle Charging Stations 17 residential electric vehicle (EV) charging station permits were issued in 2022. 10 commercial EV charging station permits were issued in 2022. In partnership with SDG&E's Power Your Drive program for parks and beaches, the City installed 4 Level 2 EV chargers at MacArthur Park. There are now 18 public EV charging stations in La Mesa as of 2022, and 10 workplace chargers were made available through SDG&E's Power Your Drive Program. In 2022, the City began exploring a large comprehensive energy program for all municipal facilities which will begin in 2023. The purpose of the program is to conduct building energy audits, and identify and construct energy efficiency projects, including but not limited to EV charging infrastructure for City fleet vehicles. Education and Outreach The City's website was updated with information on EV incentives and resources.
T-6	Municipal Fleet Continue to transition the municipal vehicle fleet from gasoline- and diesel-powered vehicles to alternative-fuel or other low- emissions vehicles.	220 gallons of gasoline/yr. saved from passenger vehicle replacement	340 gallons of gasoline/yr. saved from light-duty truck replacement	On-Track	Fleet Upgrades • In 2022, the City acquired two Chevrolet Bolts, which mark the first full-electric vehicles on the City fleet. The EVs replaced aging gas-powered vehicles used by City building inspectors. • The City acquired new hybrid vehicles for the Police Department fleet. • Alternative fuel vehicles continued to be explored for fleet replacement, with technical assistance support from a CEC-funded Empower Procurement program. • The City partnered with SDG&E to install 10 Power Your Drive electric vehicle charging stations at City Hall. These chargers are available to all Civic Center Complex staff and the new electric vehicles. The units were available for workplace and fleet charging starting January 2019. Grossmont Union High School District Fleet • In September 2022, GUHSD unveiled their first 17 all-electric buses and new Transportation Services Center, which features 9 bus maintenance bays, a drive-through bus wash, rooftop solar panels, and electric charging infrastructure to support further fleet electrification. • This work is based on a fleet electrification roadmap which charts a course to a fully electric school bus fleet over the next 20 years. Transition to Renewable Diesel • In 2019 the City transitioned its diesel fleet to renewable diesel, an environmentally sustainable, nonpetroleum fuel sourced from food waste and agricultural products. The change to renewable diesel will reduce GHG emission from the City's diesel fleet by approximately 65%.
	Water				
W-1	Urban Water Management Plan Programs Support Helix Water District in outreach and community education	Achieve water use levels of 103 gallons per capita per day	Achieve water use levels of 89 gallons per capita per day	Ahead	 Community-wide Consumption In 2022, La Mesa's average residential gallons per capita per day (GPCD) was 95.3, a 4% decrease from 2021. This surpasses the 2020 CAP Target of 103 GPCD. Education and Outreach The City website includes information and resources on water conservation opportunities. The City website includes information fact sheets, published in 2022, promote Helix rebates and incentives. The City also continues to cross promote Helix Water District educational opportunities via social media and other communication strategies. Helix Water District continues to offer numerous programs to La Mesa residents and businesses, including in-home water use evaluations, student education programs, and local rebates and incentives. These efforts are cross-promoted where feasible. In 2022, 685 students attended Helix's education program on water. Helix Water District has a demonstration landscape garden at their La Mesa office, available for residents to learn more about the types of water saving plants and trees to plant in La Mesa's environment.

W-2	Water wise Landscape Design and Irrigation Conserve water through efficient landscaping design and irrigation	-	-	On-Track	 Education and Outreach City Building staff continue to promote water conservation measures. Additional resources have been made available on the City's website for residents and businesses. In 2022, the City created indoor and outdoor water conservation fact sheets with best practices and rebates and incentives. These fact sheets are available on the City website, and physical copies are available at City tabling events.
W-3	Pure Water Program Participate in the Pure Water Program to convert wastewater to potable drinking water	-	-	On-Track	 City Council approved La Mesa's participation in the Pure Water San Diego program in July 2018. Pure Water San Diego is a phased, multi-year program that will use proven water purification technology to clean recycled water to produce safe, high-quality drinking water locally by 2035. This is a key initiative to provide reliable, sustainable water supply to the region. The Pure Water Project aims to convert a minimum of 83 million gallons of wastewater each day into potable drinking water, providing nearly 50% of the City's drinking water by 2035. Phase I construction is underway. It includes 11 construction projects, including the North City Pure Water Facility and Pump Station, which is being built across the road from the North City Water Reclmation Plant.
	Solid Waste				
SW-1	Food Scrap and Yard Waste Diversion Work with local waste hauler to develop residential organics collection program	Household and businesses divert 5% of food scraps and compostable paper Households and businesses divert 85% of yard waste	See Measure SW-3	On-Track	 Education and Outreach The City and EDCO continue to conduct education and outreach to the public and large waste generators. EDCO continues to conduct on-site and virtual site visits to educate multi-family complexes and businesses on best management practices. The City, in conjunction with I Love a Clean San Diego, offered an informational webinar about organic waste and SB 1383 to businesses. 26.5% of the waste generated by La Mesa residents was diverted from landfill in 2022. Organic Waste Recycling The City worked with its franchise waste hauler, EDCO, to ensure all business and residential customers received organic waste service. Service started in 2021 for residential, multi-family, and commercial customers; preparations are underway to ensure all customers are enrolled in the service by 2023. 11.979 households have been enrolled in organics recycling service. 310 businesses have been enrolled in organics recycling service. 310 businesses have been enrolled in organics recycling service. The City adopted a Mandatory Organics Recycling and Edible Food Recovery ordinance, Ordinance 2022-2895, in its Municipal Code. Backyard Composting Program The City continues to offer a backyard composting voucher program, which offers La Mesa residents a half-off voucher for a backyard compost bin. The City issued 35 vouchers to La Mesa residents in 2022. Community Mulch The City and EDCO started a new program providing free mulch to La Mesa community members. The first delivery of mulch available for self-service was in May 2022 at Harry Griffen Park, and mulch was also available at the City's Public Works Operations yard.
SW-2	Construction & Demolition Waste Diversion Continue to enforce the City's construction and demolition waste diversion ordinance.	Projects divert 75% of construction and demolition waste from landfill, per City ordinance	See Measure SW-3	On-Track	 Construction and Demolition Ordinance Implementation The City continues to implement the 75% C&D diversion requirement for applicable projects. Additional resources and information on C&D are available on the City's website, including resource recovery information.
SW-3	Divert 75% Waste from Landfill Maximize waste diversion efforts community- wide with particular focus on organic and recyclable waste	-	12,500 tons or less of solid waste disposed in landfills (75% waste diversion)	On-Track	Recycling Receptacles The City used its Beverage Container Recycling City Grant to purchase new City recycling receptacles for use at City parks.

	Green Infrastructure				
G	Urban Forest Master Plan ⁻¹ Support the development and maintenance of a healthy urban forest	500 net new trees planted from 2015 onward	See measure GI-2	On-Track	 Community Forestry Plan The City was awarded a \$385,000 grant from Cal Fire in 2019 to fund the development of a Community Forestry Plan. The City worked with Dudek, a consulting company, to create an Urban Forest Management Plan (UFMP). Dudek hosted 6 working group meetings comprised of members of the community in addition to conducting a survey, receiving 116 responses from La Mesa residents. The UFMP was officially adopted in May 2022 and will guide municipal policies and efforts for the next 40 years to ensure the growth of a healthy urban forest. The City is actively analyzing the UFMP recommendations to determine feasible next steps to increase urban canopy cover, including exploring options to adopt a comprehensive tree protection ordinance for public and private trees and implementing a private property tree planting program. The City continues to work with Tree San Diego and other community partners to provide education and outreach to the public on key urban forestry concepts. City Tree Inventory Update The City continues to add to the 2019 inventory of all City-maintained trees. The City maintains 10,059 trees across the City as of the end of 2022. The updated information will provide key data on the size and health of trees in parks and the right of way, and also identify new locations suitable for additional trees in the future.
G	² Expanded Urban Forestry Increase La Mesa's urban forest canopy coverage	-	Increase tree canopy by 1,400 acres from 2014 baseline	On-Track	 As of 2022, La Mesa has been a Tree City USA through the Arbor Day Foundation for 43 years. Tree Planting In partnership with Urban Corps and Tree San Diego, the City is coordinating the Cal Fire grant funded tree planting program and has communicated with over 700 residents to plant 350 trees in public rights-of-way throughout the City. In exchange for the tree, residents sign a tree watering agreement, committing to watering the tree for a period of 4+ years. Residents are also encouraged to participate in Tree Steward Trainings provided by Tree San Diego. In 2022, 68 new trees were planted in La Mesa, 43 of which were a part of the Cal Fire grant program. To ensure the health of the existing canopy, the City has had to remove trees due to pest and diseases. Tree Canopy Analysis Through the CalFire grant, the City continues to evaluate the City's tree canopy to better understand opportunities for enhanced growth for years to come. Education and Outreach Urban forestry information is continually updated on the City's website. A "Tree Interest Form" has been added to the City's website to encourage residents to share their interest in expanding the urban canopy. Residents are provided with information on upcoming tree planting workshops and volunteer opportunities. The City conducted outreach for the 2019 CAL Fire Grant free street tree program through social media, the City Manager newsletter, and tabling at events.