MEMO

То:	Bill King CITY OF MERCED
From:	Jennifer Venema Pam Johns
Cc:	Tammy Seale, Jeanine Cavalli, Chris Read, and Eli Krispi
Date:	March 6, 2015
Re:	Merced Climate Action Plan Implementation: Development Code Index

We are pleased to submit Technical Memorandum 5 (TM-5) per Task 6 of PMC's scope of work for the Climate Action Plan implementation program. This describes analysis for potential future revisions to the City's code structure that advances the likelihood of CAP Implementation and includes Draft Code Index outlining how potential future amendments to the Development Code for CAP implementation may occur. We look forward to staff's review and comments.

INTRODUCTION

This Technical Memorandum provides a context for and summary of analysis for potential future revisions to the City's code structure that advances the likelihood of CAP Implementation and includes a draft Development Code Index outlining how to amend the Municipal Code to maximize CAP implementation. This memo includes specific suggestions for code additions, changes and deletions for consideration of future code amendments. This memo also describes how City codes can be created, streamlined or updated to better support the CAP objectives.

HOW THE CITY CODES SUPPORT THE CAP OBJECTIVES

As previously presented and discussed, the City's adopted 2012 Climate Action Plan includes a number of strategies and actions to achieve the reduction target in partnership with community leaders and partners. Appendix I of the CAP breaks out the CAP's action items into permit tools, infrastructure, and public services/programs. These categories underscore the fact that the CAP relies primarily on voluntary measures and programs and on General Plan goals. Other than state mandates, no new community mandatory actions are presented in the CAP, nor does it include proposals for any new fees or charges.

To achieve the target in the CAP, the City will seek to achieve GHG reductions with three overarching strategies:

- Implement community actions such as educational or incentive programs with as high a certainty to reduce emissions from existing emissions sources as possible, and City actions that reduce emissions through infrastructure and public services updates. Some of these community actions may be in the existing CAP and additional strategies that are consistent with the spirit of the CAP may be identified. City actions may include state mandates, infrastructure, and public service updates identified in the CAP, and the implementation of General Plan policies and General Plan EIR mitigation actions.
- 2. Identify and encourage adoption of development code amendments that reduce emissions through various means, such as energy efficiency and alternative transportation. Through implementation of the CAP, the City will also be implementing General Plan actions adopted by City Council.
- 3. Prepare user-friendly, graphic design guidelines of codes and policies with emissions reduction potential in a Unified Design Manual.

The City's Development Code generally consists of zoning and subdivision regulations. This is the primary tool for implementing the General Plan relative to the physical use and development of land. Zoning and subdivision regulations are often partnered with supplemental design guidelines intended to communicate design preferences and/or expectations relative to the look and feel of physical development. As such, there are often several topics covered in development codes and design guideline documents (covered in strategies 2 and 3 above).

As such, initial analysis of opportunities to implement CAP strategies included both Development Code and UDM, along with other policies and plans adopted by the City. See **Attachment I** for the complete list of development code and UDM options to implement CAP strategies. In a related effort, we analyzed the potential Development Code and UDM topics in the context of CAP strategies and specific measures implemented, along with other co-benefits and notes regarding breadth of focus for each topic. This analysis is provided in **Attachment 2**.

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The recommended codes and approcahes in this memorandum (see Attachment 3) are the final code-related product of the PCAP project. No formal code amendment process resulting in newly adopted codes are anticipated in the PCAP project.

ATTACHMENT I: CODE AND UDM OPTIONS TO IMPLEMENT CAP STRATEGIES

Developm	nent Code Index and	Unified Design Ma	nual Optic	ons
	to Implement	CAP Strategies		
2012 CAP Strategies	Development Code Topics/Categories	Unified Design Manual Topics/Categories	Admin Practices	Other Implementation Tools
CAP Strategies and Actions f				
Strategy EM 1.5: Mobility De				
EM 1.5.1 (Apply transit	ZC - Pedestrian	Subdivision design,		TMP, BMP, PMP
standards to new	standards, special site	block lengths,		
development projects)	design requirements	pedestrian		
	SO – subdivision design	access/circulation		
EM 1.5.2 (Apply bicycle	ZC - Bicycle parking	Bicycle parking design		BMP
standards to new	standards and			
development projects)	connectivity standards			87.75
EM 1.5.3 (Apply pedestrian	ZC - Pedestrian	Pedestrian		PMP
standards to new	standards, landscape	connectivity concepts		
development projects)	standards	and design		
EM 1.5.4 (Consider	ZC - Bicycle parking			TMP, BMP, PMP
amendments to	standards, pedestrian			
ordinances for transit	standards			
shelters, secure bike				
parking, and pedestrian				
pathways)				
EM 1.5.4 (Encourage	ZC - Pedestrian	Site design concepts		
improved accessibility to	standards, special site	for access		
transit system for projects	design requirements			
within 2K ft. of transit				
stop) EM 1.5.5 (Ensure multiple	ZC - Pedestrian	Site design concents		
	standards	Site design concepts		
access points for new development)	standards	for access		
Strategy SC 2.5: Community	Decign Development Pevi	ow Policies		
SC 2.5.1 (Promote higher	ZC - Design bonus			GP land plan and
densities)	provisions			zoning map
SC 2.5.2 (Promote use of	ZC - Permit			GP land plan and
Residential PD District)	requirements			zoning map
SC 2.5.3 (Encourage infill)	ZC - Zoning incentives			Incentives
SC 2.5.4 (Encourage	ZC - Zoning incentives			Incentives
projects in urban area that	Le Loning incentives			meenuves
could enhance transit				
system)				
SC 2.5.5 (Plan higher				GP land plan and
density within ¼ mile of				zoning map
transit hubs and				
commercial centers				
SC 2.5.6 (Encourage	ZC - Allowed use			

Developm	ent Code Index and	Unified Design Ma	nual Optic	ons
	to Implement	CAP Strategies		
2012 CAP Strategies	Development Code Topics/Categories	Unified Design Manual Topics/Categories	Admin Practices	Other Implementation Tools
residential/office above retail in downtown and neighborhood cores)	regulations			
SC 2.5.7 (Encourage higher density within ¼ mile walk of commercial centers)				GP land plan and zoning map
SC 2.5.8 (Allow second units in SF areas)	ZC - Allowed use regulations			
SC 2.5.9 (Encourage duplexes on corner lots) SC 2.5.10 (Consider	ZC - Allowed use regulations ZC - Density bonus	Preferred designs		
increasing density where conditions/warrants are met)	regulations			
SC 2.5.11 (Provide ranges of services in industrial areas)	ZC - Allowed use regulations			
SC 2.5.12 (Allow support services in industrial zones)	ZC - Allowed use regulations			
SC 2.5.13 (Locate and design new commercial developments with good access from neighborhoods and streets)	ZC - Pedestrian standards	Site design for access and circulation		GP land plan and zoning map
SC 2.5.14 (Encourage mix of uses for vital downtown)	ZC - Allowed use regulations			
SC 2.5.15 (Encourage ped and transit friendly designs at suitable locations)	ZC - Pedestrian standards			
SC 2.5.16 (Encourage higher densities in areas with full range of urban services)				GP land plan and zoning map
SC 2.5.17 (Work with school districts on locations for walkability)			Х	
SC 2.5.18 (Consider air quality and mobility when reviewing land use	ZC - Permit requirements (findings or review criteria)			

Developm	nent Code Index and	Unified Design Ma	nual Optic	ons
	to Implement	CAP Strategies		
2012 CAP Strategies	Development Code Topics/Categories	Admin Practices	Other Implementation Tools	
changes)				
SC 2.5.19 (Encourage MF development on sites with good access to goods and services)				GP land plan and zoning map
SC 2.5.20 (Apply design principles to new development)	ZC – Design Principles			GP land plan and zoning map
SC 2.5.21 (Distribute	ZC – Distribute Centers			GP land plan and
centers to promote access)				zoning map
SC 2.5.22 (Encourage mixed use, infill, higher density)	ZC - Allowed uses and development standards, density			GP land plan and zoning map
density)	bonus regulations			
SC 2.5.23 (Encourage balanced community with short travel to services)	bonds regulations			GP land plan and zoning map
SC 2.5.24 (Preserve existing areas from incompatible development)	ZC - Allowed use, development standards, interface regulations	Do this, not this?		GP land plan and zoning map
SC 2.5.25 (Encourage mixed use near employment centers)	ZC - Allowed uses			GP land plan and zoning map
SC 2.5.26 (Encourage mixed use development)	ZC - Zoning regulations (allowed uses, development standards)			GP land plan and zoning map
SC 2.5.27 (Require new urban development be contiguous to existing urban areas)	ZC - Permit entitlements (thresholds for annexation findings), prezoning regulations			
SC 2.5.28 (Consider expansion of SOI)			Х	
SC 2.5.29 (Encourage phasing of new dev)			Х	
SC 2.5.30 (Target SR 59 as priority annexation)			Х	
SC 2.5.31 (Limit expansion of City utilities)			Х	

Developm	nent Code Index and	Unified Design Ma	nual Optic	ons
	to Implement	CAP Strategies		
2012 CAP Strategies	Development Code Topics/Categories	Unified Design Manual Topics/Categories	Admin Practices	Other Implementation Tools
SC 2.5.32 (Encourage design and construction of	ZC - Landscape requirements			Streetscape plans
aesthetic streetscapes)				
SC 2.5.33 (Promote and	ZC - Downtown Core			
facilitate core commercial	and Urban Villages			
design principles)	Zone regulations			
SC 2.5.34 (Design and develop public buildings	ZC - Urban Villages			
and uses as transit ready)	Zone regulations, development standards			
and uses as transitireauy)	SO – subdivision design			
Measure WC 3.4: Water Con		eview Policies		
WC 3.4.1 (Consider	ZC - WELO			Purple pipe policy
ordnances for potable and				
non-potable water, WELO,				
gray water)				
WC 3.4.2 (Strengthen	ZC - WELO			Building Code (Cal
guidelines for water				Green)
conservation)				
WC 3.4.3 (Implement WELO)	ZC - WELO			
WC 3.4.4 (Encourage	ZC - Landscape			Drainage
development that directs	standards			standards, BMPs
runoff to pervious areas)				
WC 3.4.5 (Require high-	ZC - WELO			
efficiency irrigation				
systems)				
WC 3.4.6 (Continue implementation of WELO)	ZC - WELO			
WC 3.4.7 (Require water	ZC - Landscape			
meters for properties with	requirements, WELO			
>20K sf of irrigated area)				
WC 3.4.8 (Require native	ZC - Landscape			
and drought tolerant	standards, WELO			
plantings)				
WC 3.4.9 (Minimize turf	ZC - Landscape			
areas)	standards, WELO			
WC 3.4.10 (Provide for	ZC - Landscape			
additional landscaping in	standards, parking			
parking lots, medians, buffers)	standards			
Measure AR 4.4: Air Resourc	es Development Review P	olicies	1	

Developm	nent Code Index and	Unified Design Ma	nual Optic	ons	
	to Implement	CAP Strategies			
2012 CAP Strategies	Development Code Topics/Categories	Admin Practices	Other Implementation Tools		
AR 4.4.1 (Determine and mitigate AQ impacts of projects)				CEQA	
AR 4.4.2 (Include GHG and climate change in environmental review documents)	ZC - Local environmental thresholds			CEQA	
AR 4.4.3 (Ensure impacts are mitigated)			Х	CEQA	
AR 4.4.4 (Work with employers and developers on transportation alts)	ZC - Site development standards		X		
AR 4.4.5 (Partner with agencies on AQ impacts and mitigations)			x	CEQA	
AR 4.4.6 (Use code enforcement to ensure compliance with mitigation measures)			X		
AR 4.4.7 (Use technical guidance for mitigation of GHG emission reductions)			х	CEQA	
AR 4.4.8 (Provide toolkit of feasible measures to reduce GHG)			x		
AR 4.4.9 (Evaluate facility maintenance practices to reduce GHGs)			x		
AR 4.4.10 (Strengthen purchasing standards for GHG implementation)			X		
AR 4.4.11 (Support construction of infrastructure that reduces congestion and/or trips)	ZC - Bicycle parking, lockers, showers, parking reductions and incentives			GP land plan and zoning map	
Strategy WR 5.2: Waste Red WR 5.2.1 (Require recyclable material collection and storage areas for residential) Strategy RE 6.2: Renewable I	ZC - Site development standards			Waste diversion ordinance	

Developm	nent Code Index and to Implement	Unified Design Ma CAP Strategies	nual Optic	ons	
2012 CAP Strategies	Development Code Topics/Categories	Admin Practices	Other Implementation Tools		
RE 6.2.1 (Require new subdivisions to design for maximum solar utilization)	SO – subdivision design	Sample graphics			
RE 6.2.2 (Require design of structure for full advantage of solar use)	SO – subdivision design ZC – solar design				
RE 6.2.3 (Require development to maximize passive solar design)	SO – subdivision design ZC – solar design				
Strategy BE 7.6: Building Ene	rgy Conservation Develop	ment Review Policies			
BE 7.6.1 (Encourage "green" development and/or LEED-certified buildings	ZC – relevant CalGreen			Building Code	
BE 7.6.2 (Favor improvements over fees for AQ mitigation)			X		
BE 7.6.3 (Encourage buildings and site to contain "cool" pavements and roofs)		Sample designs?			
BE 7.6.4 (Require tree planting)	ZC – landscape standards				
BE 7.6.5 (Require tree plangent at 40 foot maximum spacing)	ZC – landscape standards				
Table Legend:ZC = Zoning CodeSO = Subdivision OrdinanceBMP = Bicycle Master PlanPMP = Pedestrian Master PlaTMP = Transit Master Plan	n			·	

ATTACHMENT 2: DEVELOPMENT CODE INDEX AND UDM TOPICS FOR CAP IMPLEMENTATION AND CO-BENEFITS

	DEVELOPMENT CODE INDEX AND UNIFIED DESIGN MANUAL TOPICS											
	TO IMPLEMENT 2012 CAP STRATEGIES AND OTHER CO-BENEFITS											
									OTHER CO-	BENEFITS		
DEVELOPMENT CODE INDEX AND UNIFIED DESIGN MANUAL ITEMS	Strategy EM 1.5	Strategy SC 2.5	Measure WC 3.4	Measure AR 4.4	Strategy SR 5.2	Strategy RE 6.2	Strategy BE 7.6	Supports the Bicycle Plan/ Implements Bicycle Plan	Implements General Plan Environmental Impact Report mitigations for GHG reductions	Supports San Joaquin Valley Air Pollution Control District Standards	Facilitates Adaptation to Climate Change Impacts	NOTES
ZONING CODE			1		1	-	r		2		1. 	
Pedestrian standards	Х	X							Х	X	X	Pedestrian access and connectivity standards (including or referencing landscaping and lighting), and transit shelters
Special site development standards and/or design requirements	X	X		X	Х				X	X	X	Design requirements for passenger loading and unloading at destination places, transit accessibility, quasi-public building orientation to parks and greens
Bicycle parking standards	X			Х				Х	Х	Х		
Landscape standards	Х		X					X	X		X	Street tree planting, shade trees along pedestrian paths, special requirements for high profile projects?
Density bonus provisions		Х							Х	X	X	Discretion to increase density where necessary conditions are met, special consideration for

		D	EV	ELO	PME	NT	COD	E INDEX AN	D UNIFIED DE	SIGN MANUA	AL TOPICS	
			то	IM	PLEN	ЛЕN	T 20	12 CAP STR	ATEGIES AND	OTHER CO-B	ENEFITS	
		2012 CAP STRATEGIES IMPLEMENTED							OTHER CO-	BENEFITS		
DEVELOPMENT CODE INDEX AND UNIFIED DESIGN MANUAL ITEMS	Strategy EM 1.5	Strategy SC 2.5	Measure WC 3.4	Measure AR 4.4	Strategy SR 5.2	Strategy RE 6.2	Strategy BE 7.6	Supports the Bicycle Plan/ Implements Bicycle Plan	Implements General Plan Environmental Impact Report mitigations for GHG reductions	Supports San Joaquin Valley Air Pollution Control District Standards	Facilitates Adaptation to Climate Change Impacts	NOTES
												increased densities near urban services
Permit requirements		X										Special findings to consider AQ and mobility for land use changes, codify thresholds for annexation applications?
Allowed use regulations		Х							Х	Х	Х	Mixed use, second units, duplexes, services in support of industrial uses and employment centers
Density bonus provisions		Х							Х	Х	X	
Transit Ready Development		X							X	X	Х	Transit ready development and design principles, core commercial concept, employment centers near transit and services
Interface regulations		Х										Compatibility of adjacent
Water Efficient Landscape Ordinance			X						X		X	Check for compliance with regulations and best practices for topics covered in CAP strategies
Parking standards		Х	Х	Х				Х	Х	Х		Parking reductions for

		D	FVI	FLO	PMF	NT	COD	F INDEX AN	D UNIFIED DE		TOPICS	
									ATEGIES AND			
		201	2 CA	PST	RATE	GIES			OTHER CO-			
DEVELOPMENT CODE INDEX AND UNIFIED DESIGN MANUAL ITEMS	Strategy EM 1.5	Strategy SC 2.5	Measure WC 3.4	Measure AR 4.4	Strategy SR 5.2	Strategy RE 6.2	Strategy BE 7.6	Supports the Bicycle Plan/ Implements Bicycle Plan	Implements General Plan Environmental Impact Report mitigations for GHG reductions	Supports San Joaquin Valley Air Pollution Control District Standards	Facilitates Adaptation to Climate Change Impacts	NOTES
												infill, alternative transportation site facilities (e.g., showers and lockers, secure bicycle parking, special parking incentives)
Local environmental thresholds				Х								Codify?
Solar facilities and design						Х			Х	X	X	Codify?
Cal Green							Х		Х	X	X	Codify relevant Tier1 standards?
SUBDIVISION ORDINA	NCE											
Subdivision design	X					Х		Х	Х	Х	X	Complete streets, design for access and circulation, block length
UNIFIED DESIGN MAN	IUAL										•	
Subdivision design for circulation, connectivity, block length	X							Х	Х	Х	X	
Site design for access and circulation	X	Х							Х	Х	X	

	DEVELOPMENT CODE INDEX AND UNIFIED DESIGN MANUAL TOPICS											
TO IMPLEMENT 2012 CAP STRATEGIES AND OTHER CO-BENEFITS												
					RATE INTE				OTHER CO-			
DEVELOPMENT CODE INDEX AND UNIFIED DESIGN MANUAL ITEMS	Strategy EM 1.5	Strategy SC 2.5	Measure WC 3.4	Measure AR 4.4	Strategy SR 5.2	Strategy RE 6.2	Strategy BE 7.6	Supports the Bicycle Plan/ Implements Bicycle Plan	Implements General Plan Environmental Impact Report mitigations for GHG reductions	Supports San Joaquin Valley Air Pollution Control District Standards	Facilitates Adaptation to Climate Change Impacts	NOTES
Bicycle parking design?	Х							Х	Х	Х		
Preferred design for corner lot duplexes		Х										
Compatible vs incompatible development		X										
Sample designs for solar access and cool pavements and roofs						Х	Х		Х	Х	Х	

ATTACHMENT 3: DEVELOPMENT CODE INDEX

INTRODUCTION

The Development Code Index identifies specific code additions, changes or deletions recommended for consideration in future code amendments to implement CAP objectives. This index is organized by general CAP issue and topic area. Within each topic area, this Index lists relevant CAP measures, along with a summary of how the existing City Zoning Code and Draft Zoning Code address the topic currently, then identification of new opportunities and recommendations for each CAP measure.

LAND USE AND TRANSPORTATION

DENSITY AND CONNECTIONS

1. Issue/CAP Measure Context: Develop higher-density and mixed-use development to support alternative travel in downtown Merced and appropriate neighborhood centers.

<u>Existing/Draft Zoning Code</u>: Existing and draft zoning code include a mixed use district and mixed use allowances (D-COR, C-V), higher density housing, density bonuses, and limited requirements for pedestrian and bicycle connections and circulation.

<u>Additional Opportunities/Recommendations:</u> The zoning code could expand pedestrian and bicycle connections and circulation standards and include infill compatibility standards. The zoning code could also establish new incentives (e.g., flexibility for certain development standards) and/or increase density bonuses for construction of non-vehicular trails (e.g., bicycle, pedestrian, multi-use).

2. Issue/CAP Measure Context: Support a 30% increase in per-person intracity and intercity transit use by 2020.

<u>Existing/Draft Zoning Code</u>: New mixed use zoning districts in the draft zoning code support transit. Additionally, draft zoning code parking reductions offers incentives for new development near transit and requirements for proximity to bus service.

Additional Opportunities/Recommendations: Existing zoning supports transit through parking reductions incentives and requirements for proximity to bus. Additional parking reductions could be provided for good bicycle and pedestrian access and circulation. Additional standards could be provided for loading and unloading areas for pedestrians, cyclists and transit in the code. Finally, additional setback standards and landscape standards in mixed-use districts could allow for transit-supportive facilities.

3. Issue/CAP Measure Context: Promote carpool and car share systems.

Existing/Draft Zoning Code: This topic is not addressed in the existing or draft zoning code.

<u>Additional Opportunities/Recommendations:</u> The zoning code could include incentives for carpool and car share systems, such as allowing zip car parking spaces on street parking.

ALTERNATIVE FUELS

4. Issue/CAP Measure Context: Support the use of neighborhood electric vehicles (NEVs, such as lower-speed, street-safe golf carts) by 3% of households by 2020.

<u>Existing/Draft Zoning Code</u>: Existing and draft zoning code include compact parking spaces are in the zoning code 20.38.070, but does not specify NEVs .

<u>Additional Opportunities/Recommendations:</u> The zoning code could specify NEV parking spaces and require designated parking stalls for new multi-family residential development.

5. Issue/CAP Measure Context: Support the increased use of passenger plug-in electric vehicles (EV) and other alternative fuels to 5% by 2020.

Existing/Draft Zoning Code: This topic is not addressed in the existing or draft zoning code.

<u>Additional Opportunities/Recommendations:</u> The zoning code could incentivize or require EV charging stations in new residential and/or non-residential developments (e.g., flexibility in certain development standards) and provide standards for location of stalls.

ENERGY EFFICIENCY

NEW CONSTRUCTION

6. Issue/CAP Measure Context: Encourage new buildings to exceed the minimum energy efficiency requirements under the state CALGreen standards.

Existing/Draft Zoning Code: This topic is not addressed in the existing or draft zoning code.

<u>Additional Opportunities/Recommendations:</u> The zoning code could offer incentives to exceed CALGreen standards for energy efficiency (e.g., flexibility in certain development standards, additional density bonus options).

7. Issue/CAP Measure Context: Site new buildings to take advantage of natural solar resources for heating and cooling.

Existing/Draft Zoning Code: This topic is not addressed in the existing or draft zoning code.

Additional Opportunities/Recommendations: The zoning code could offer incentives to adopt voluntary CALGreen recommendations for new residential and/or non-residential development. Examples of incentives could include flexibility in certain development standards and/or additional density bonus options.

EXISTING BUILDINGS

8. Issue/CAP Measure Context: Support improved energy efficiency in existing multifamily units, rental units, and affordable households through voluntary retrofits.

Existing/Draft Zoning Code: This topic is not addressed in the existing or draft zoning code.

<u>Additional Opportunities/Recommendations:</u> The zoning code could offer incentives for improved energy efficiency retrofits in existing multifamily units, rental units and/or affordable households. Examples of incentives could include flexibility in certain development standards (e.g., landscape or parking requirements).

9. Issue/CAP Measure Context: Use cool roofs and shade trees to reduce the urban heat island effect in Merced.

<u>Existing/Draft Zoning Code</u>: The existing and draft zoning code require shade trees in parking lots.

<u>Additional Opportunities/Recommendations:</u> The zoning code could include language or incentives for cool roofs consistent with CALGreen recommendations. Examples of incentives could include flexibility in certain development standards and/or additional density bonus options. The zoning code could also include shade tree requirements for areas outside parking lots.

RENEWABLE ENERGY

10. Issue/CAP Measure Context: Increase the amount of renewable electricity generation for onsite residential use.

<u>Existing/Draft Zoning Code</u>: The draft zoning code addresses roof and ground-mounted solar energy facilities.

<u>Additional Opportunities/Recommendations:</u> The zoning code could include language for other renewable energy facilities such as wind turbines. The zoning code could also include modifications to requirements for ground mounted Solar PVs when used as parking lot shade structures to allow to be visible from public streets. Finally, the zoning code could offer incentives in building code to pre-wire for solar consistent with CALGreen. Examples of incentives could include flexibility in certain development standards.

11. Issue/CAP Measure Context: Facilitate renewable energy for on-site commercial and industrial uses.

<u>Existing/Draft Zoning Code</u>: The draft zoning code addresses roof and ground-mounted solar energy facilities.

<u>Additional Opportunities/Recommendations:</u> The zoning code could include language for other renewable energy facilities such as wind turbines. The zoning code could also include modifications to requirements for ground mounted Solar PVs when used as parking lot shade structures to allow to be visible from public streets.

WATER AND WASTEWATER

ALTERNATIVE WATER SOURCES

12. Issue/CAP Measure Context: Reduce the amount of water used for landscaping, while continuing to allow lawn and turf installations.

<u>Existing/Draft Zoning Code</u>: The existing and draft zoning code include regulations for drought tolerant landscaping, amount of turf, and water efficient irrigation through the Water Efficient Landscape Ordinance. The City also adopted a "watering schedule" limiting the days and hours that people may irrigate.

<u>Additional Opportunities/Recommendations:</u> The zoning code could modify requirements for continuous curbs to allow for stormwater curb cuts to allow rainwater to irrigate landscaped areas in parking lots and along streets. The zoning code could update maximum turf requirements and clarify locations to maximize efficiencies (e.g., slopes, medians).

SOLID WASTE

INCREASED DIVERSION

13. Issue/CAP Measure Context: Increase recycling in Merced with a goal of improving diversion of recyclables by 25%.

<u>Existing/Draft Zoning Code</u>: The draft zoning code addresses recycling collection facilities, but not smaller scale recycling with in commercial or multi-family developments.

<u>Additional Opportunities/Recommendations:</u> The zoning code could add standards for locating and operating small-scale recycling facilities (e.g., collection facilities).