



RURAL INFRASTRUCTURE INVESTMENT PLAN

FY 2020 - 2021



*Not Reviewed or Approved by the Board of Supervisors
September 15, 2020*

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Introduction

Purpose

The Rural Infrastructure Investment Plan assesses and categorizes infrastructure investments in the County's rural communities in support of the Board's Strategic Plan goals. According to the American Society of Civil Engineers, the United States "infrastructure gap," which refers to the amount of money required to meet our nation's infrastructure needs, is estimated to be above \$2 trillion. This gap is even more exaggerated in rural areas, like Northern California, where funding is much more difficult to secure. Most state and federal infrastructure initiatives are focused on urban and suburban areas and do not adequately address the unique needs of rural communities. Deteriorating or inadequate infrastructure can impact the lives of our rural residents in many ways: jeopardizing or limiting employment opportunities, decreasing quality of life and public safety, and reducing economic competitiveness.

This report serves a repository for locally derived and supported infrastructure projects as the County explores new funding models and builds public/private/non-profit relationships to leverage investments and braid financial resources.

Though local funding may be currently inadequate to fully implement these rural infrastructure projects, opportunities exist to incrementally invest in projects, thereby positioning projects to be competitive when state or federal funding becomes available.

A local agency could develop a rough project cost estimate for an identified rural infrastructure need, for example, secure local funding for preliminary design and engineering or CEQA review, and then apply for a state or federal grant. Or, the local agency could combine multiple similar projects into a larger single project, increasing the number of beneficiaries and also the (now larger) project's overall funding competitiveness.

Methodology

To better understand the needs of rural communities within Yolo County, many sources of information were reviewed, researched, and analyzed, including:

- Municipal Service Reviews and special studies undertaken by the [Yolo Local Agency Formation Commission](#) (LAFCo)
- [Community Action Plans](#) (developed by rural community advisory committees)
- Community revitalization studies
- Special district engineer's reports in support of fee/assessment modifications
- Deficiencies documented by local/state regulatory agencies
- Results from 2020 Strategic Plan community engagement surveys and meetings

- Staff conversations with rural community advocates

Infrastructure improvements and recommended projects are organized first by each rural community and then categorized by Strategic Plan goal. Many projects align with multiple Strategic Plan goals. In those cases, projects are categorized under the goal with which they are most closely related.

Executive Summary

Relationship to Yolo County Strategic Plan

This report, prepared for fiscal year 2020-21, is the second annual rural infrastructure investment report. These annual reports are a companion to the Yolo County Strategic Plan (“Strategic Plan”). The County’s Strategic Plan is a multi-year plan that presents a meaningful vision of the future and long-term strategic goals, indicating where resources are to be concentrated to accomplish strategic outcomes. Following Board adoption of the Strategic Plan’s goals and high-level objectives, departments develop operational plans in concert with the County Administrator to support the Strategic Plan goals, which are, in turn, aligned with the County budget. The adopted 2020 -2024 Strategic Plan goals are:

Thriving Residents



Social, economic and physical environments are created and supported which promote good health and protect vulnerable populations so that community members and future generation have the opportunity to learn and grow to their full potential.

Safe Communities



Safe communities are maintained through cross-system collaborations that focus on prevention, utilize evidence-based strategies for treatment and intervention, provide legal representation and ensure code enforcement of unsafe conditions.

Sustainable Environment



Efficient utilization of natural resources to provide recreational opportunities and ensure availability for generations to come, protect and improve water quality and quantity, lower greenhouse gas emissions, and maximize the use of renewable energy.

Flourishing Agriculture



Support a vibrant and resilient agricultural economy that concurrently preserves sufficient farmland to maintain regional food security in perpetuity.

Robust Economy



Promote a balanced economy that offers job opportunities and ample services for every resident as well as avenues for business growth and development.

Fiscal Year 2019-20 Accomplishments

Accomplishments and progress from the first year (FY 2019-20) Rural Infrastructure Investment Plan include:

<h3>Progress Report</h3> <h4>FY 2019- 2020 Accomplishments</h4>

THRIVING RESIDENTS

<i>Community</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Capay Valley	New community center and comprehensive health clinic in the Valley region	TBD	Site plan completed
Capay Valley	Installation of restroom facilities in Guinda	\$65,000	In progress; funding from FY 19/20 Rural Community Investment Program (RCIP)
County-wide	Projects to be developed by Rural Health Coordinator	Funded	Recruitment in progress
County-wide	Install/upgrade broadband at migrant housing centers to facilitate distance learning	Funded	Madison Migrant Camp completed; Davis Migrant Camp in progress
Knights Landing	New community park with sports fields	\$4.7M	Site plan completed
Knights Landing	Promenade and trails along Sacramento River	TBD	Concept to be evaluated through Small Communities Flood Risk Reduction (SCFRR) grant
Yolo	Replace Yolo Branch Library	\$4M	Community Development Block Grant funding application submitted July 2020

SAFE COMMUNITIES

<i>Community</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Capay Valley	Replace CR 40 bridge to improve emergency service access	\$3.75M	Funding secured (\$800,000 preconstruction; \$2.2M for construction)
Capay Valley	Improve law enforcement response time via implementation of “resident deputy”	\$200,000 / yr	Complete
Clarksburg	Installation of bollards on Poplar Street alley	\$5,000	Complete; funded by FY 19/20 RCIP
County-wide	Create Capital Improvement Plans for fire districts, building on “Yolo County Fire Protection Districts” study from July 2019	Staff time	In progress
Esparto	Installation of street print, flashing pedestrian beacons, and other safety improvements along SR-16 in downtown Esparto	\$50,000	Complete; funded by FY 19/20 RCIP
Madison	Complete preliminary design and engineer’s opinion for replacement of community drinking water system	\$50,000	Complete; funded by FY 19/20 RCIP
Knights Landing	Improve pedestrian safety near Sci-Tech Academy	\$45,000	Traffic calming measures installed on Railroad Street
Knights Landing	Reduce localized flooding by constructing new detention basin	TBD	Will be designed and permitted with SCFRR grant
Knights Landing	Levee repairs on Sacramento River	\$9M	In progress through SCFRR grant
Knights Landing	Levee repairs on Knights Landing Ridge Cut	\$2M	In progress through SCFRR grant
Knights Landing	Design and permitting of new cross levee to provide 100-year flood protection	TBD	In progress through SCFRR grant
Madison	154 KV generator for Madison CSD to power drinking water and wastewater systems during power outages	\$90,000	Complete
Madison	Implement flood risk reduction projects to increase flood protection	\$348,000	CalOES funding secured, in progress
Yolo	Generator to power community drinking water system during power outages	\$100,000	Funding secured

SUSTAINABLE ENVIRONMENT

<i>Community</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
County-wide	Ensure sustainable water supply through responsible groundwater management	\$1,000,000	In progress through Yolo GSA
Capay Valley	Development of small off-stream storage / detention to slow water down and allow for greater infiltration	\$100,000	In progress through Flood Safe Yolo 2.0

FLOURISHING AGRICULTURE

<i>Community</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
County-wide	Reduce regulatory hurdles for agricultural housing on agriculturally zoned properties	Est. \$150,000 (staff time)	In progress, Zoning Code Update 2021
County-wide	Work with local community colleges to develop a farm apprenticeship and training program on local farms	Funded	Complete

ROBUST ECONOMY

<i>Community</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Clarksburg	Connect Clarksburg area to high-speed broadband	\$1M	Grant application submitted to CA State Library (pending)
Clarksburg	Relocation of 1883 Clarksburg School House	\$1M	Received \$50,000 from RCIP in FY 19/20; Awarded \$1M Prop 68 grant from Delta Conservancy
County-wide	Streamline County permitting processes	Staff time	In progress, Zoning Code Update 2021
County-wide	Reduce cost and burdens of FEMA regulations and flood insurance within agricultural zones	N/A	In progress through FloodSAFE Yolo 2.0 and Agricultural Floodplain Task Force

Health Equity

In conjunction with the 2020 Strategic Planning process, the Board of Supervisors adopted a new approach to policy development, “Health in All Policies.” This new, collaborative approach will improve the health of all people by incorporating health, equity, and sustainability considerations into decision-making across sectors and policy areas.

Healthy People 2020 defines health equity as the “attainment of the highest level of health for all people.” According to the Yolo County Health Council’s 2019 annual report to the Board of Supervisors, poverty and geography play major roles in health outcomes. The 25 voting members

which make up the Yolo Health Council include appointees by the Board of Supervisors; representatives of nine county health systems, including CommuniCare Health Systems, Kaiser Permanente, Sutter Davis Hospital and UC Davis; and members of county health advisory boards, including the Local Mental Health Board, First 5 Yolo, the Commission on Aging and Adult Services, and many others.

To further the desired outcome of health equity across Yolo County, the Board has recently approved place-based rural health investments. These investments include a \$200,000 per fiscal year “Wellness and Prevention Fund” designed to support health equity projects in high priority areas (including rural communities), as well as a full-time health program coordinator who is responsible for identifying health needs and developing programs to address those needs in the County’s unincorporated areas and rural communities.

Universal Themes

Throughout the information gathering process, several reoccurring themes were identified in nearly all of the rural communities: Road improvements, increased law enforcement presence, and access to high speed internet (broadband).

Road Improvements

Each rural community has strong opinions about investments in their local transportation infrastructure. Unfortunately, state and federal funding for road improvements dictates that roads are repaired/upgraded based on certain criteria, including public safety, and there are frequently road repair emergencies that take priority over all other projects.

One methodology for capturing each communities’ desired improvements is to incorporate them into the rural community “area plan” for each unincorporated community. The Esparto Community Plan was adopted in 2019 and includes robust discussion and documentation of the communities’ desired circulation and transportation improvements. An “area plan” can serve as a formal, adopted, community driven planning document to guide future investments. Existing adopted community area plans can be found [here](#).

Increased Law Enforcement Presence

Several rural communities have articulated a desire to reinstate a “resident deputy” program, which currently exists in the communities of Clarksburg and Yolo. Counties such as Calaveras and Colusa have formal resident deputy programs. Generally, a resident deputy program calls on deputies involved to patrol the communities where they live, routinely attend events, and visit schools in their assigned areas. Resident Deputies cover other areas during their routine patrol

but focus their efforts in crime prevention by collaborating on community issues with residents, businesses, homeowners' associations, schools, and other local and state agencies. Resident deputies' duties also include overseeing some Neighborhood and Business Watch groups, as well as keeping department administration abreast of town halls and other events relevant to community building or crime prevention.

The Capay Valley was assigned a resident deputy during FY 2019-20. The communities of Clarksburg and Knights Landing have expressed interest in also hosting a resident deputy. It is estimated that each resident deputy would cost approximately \$200,000 per deputy, per fiscal year.

High Speed Internet / Broadband

Broadband is a vital element of Yolo's economic sustainability that will keep rural community competitive, locally and globally. Where our road systems provide the infrastructure necessary to connect our communities physically, broadband provides the digital infrastructure necessary to connect our communities virtually to the rest of the world. As more of our everyday lives are lived online, broadband has become a fundamental need for our homes, businesses, and communities. Broadband reaches many facets of everyday life by improving the delivery of healthcare services, enriching the educational experiences of children and adults, aiding in the management and conservation of energy resources, assisting public safety personnel in the performance of their duties, and facilitating citizen interaction with our government agencies. Broadband is a driving force behind the competitiveness of our businesses, fostering innovation, productivity, and access to the global economy. Affordable, available access to broadband means the difference between thriving in the new economy and becoming obsolete.

Yolo County LAFCo commissioned the "Yolo Broadband Strategic Plan" in 2015. The study can be found [here](#). The Yolo Broadband Strategic Plan provides a roadmap to understand our local broadband environment and forge strategies that will ensure our communities are prepared to thrive in the digital economy. In 2012, about 70% of Yolo households maintained some type of broadband connection, 6% lower than California's statewide average of 76%.

One broadband success story has been realized thus far: In FY 17/18 Yolo County partnered with WAVE Broadband to bring high speed internet to the unincorporated community of Knights Landing. The County, in partnership with Yolo LAFCo, convenes a "Broadband Committee" that is committed to implementing the Broadband Strategic Plan. Current efforts include expanding broadband access into Clarksburg, Binning Tract, and North Davis Meadows. The Yolo County Library applied for grant funding from the California State Library in July 2020 to fund a one (1) gigabyte fiber connection to the Clarksburg Branch Library. In addition, the County has installed fiber to connect the decommissioned 180' tower at the landfill and issued an RFI to allow access

to a broadband provider to serve rural areas within a 10-20-mile radius with point to point wireless connectivity. RFI responses are due to the County on August 31, 2020.

Infrastructure Provided by Other Entities

Migrant Housing Centers

There are two migrant housing communities within Yolo County: the Davis/Dixon Migrant Center and the Madison Migrant Center. Both are owned and operated by the Yolo County Housing Authority, with financial assistance from the state and federal government. Several project suggestions for the migrant housing communities surfaced during the data gathering phase of this project. A short profile for each migrant housing community and a summary of recommended improvements are provided in [Appendix A](#).

Community Services Districts (CSDs)

Small rural communities in unincorporated areas need basic services like water, wastewater management, security, fire protection, street lighting, vector control, and recreation. Since counties often consist of large and diverse geographical areas, it is difficult to provide tailored community services to any one community. Small rural communities usually do not have the tax base necessary to incorporate services into their own city. Consequently, the Community Services District Law (Gov. Code §61000-61850) was created to provide an alternate method of providing services in unincorporated areas. Community services districts are governed by residents who live with the serve area boundary through local elections. Community service districts localize the costs and benefits of public services: CSDs let local residents get the services they desire at the price that they are willing to pay.

Yolo County currently has four (4) community services districts (CSDs):

- Cacheville Community Services District
- Esparto Community Services District
- Knights Landing Community Services District
- Madison Community Services District

While these CSDs are independent legal districts, they are subject to review by Yolo LAFCO. LAFCO has the authority to review and make determinations on the following:

- (1) Growth and population projections for the affected area.
- (2) Present and planned capacity of public facilities and adequacy of public services, including infrastructure needs or deficiencies.
- (3) Financial ability of agencies to provide services.

- (4) Status of, and opportunities for, shared facilities.
- (5) Accountability for community service needs, including governmental structure and operational efficiencies.
- (6) Any other matter related to effective or efficient service delivery, as required by commission policy.

Further, LAFCO has the power to approve or deny consolidation or reorganization of special districts, jurisdictional and service area boundaries, add or remove legal powers/services provided by districts, and conduct periodic Municipal Services Reviews to ensure adequate provision of services.

[Appendix B](#) to this report provides an overview of each CSD and a summary of recommended improvements. The improvements are further organized by 1) immediate improvements required for service delivery and 2) improvements anticipated to be needed by 2030 to allow for anticipated growth.

Rural Community Profiles and Needs Assessments

The remainder of this report consists of a rural community profile and community-based needs assessment for each of the following rural communities: Clarksburg, Dunnigan, Esparto, Knights Landing, Madison, and the town of Yolo. A separate profile and needs assessment were created for the Capay Valley Region (the rural communities of Brooks, Capay, Esparto, Guinda, and Rumsey, as well as the surrounding areas). The town of Esparto is the County's largest rural community and, therefore, has its own community profile and needs assessment.

Capay Valley Regional Profile

The Capay Valley comprises approximately 200 square miles in the north western portion of Yolo County. Generally, the Capay Valley is the area of the valley floor west of I-505 to the County line. This area includes the communities of Rumsey, Brooks, Guinda, Capay, Esparto, and Madison. The region lies within the 5th Supervisorial District of the County.



Though inexact, the general demographic profile (below) is extracted from Census Tract 115 in the 2000 Census. The census-based demographics in the tables below include the rural communities of Madison and Esparto, which, for the purposes of this report, have their own rural community profiles (see pages 20 and 26).

Regional Demographics, 2000 Census

Capay Valley Region	
Total population	5,251
Median age (years)	35.2
Estimated MHI	
Brooks	\$39,643
Capay	\$69,702
Guinda	\$64,904
Rumsey	N/A
Race	
White	64.4%
Latino	40.1%
American Indian	2.9%
African American	1.2%
Occupied Housing Units	1,471
Owner-occupied Units	73.2%



Capay Valley Communities Demographics

	Pop.	Poverty	Medi-Cal	CalFresh
Brooks	212	55%	12%	1%
Capay	255	-	10%	8%
Guinda	259	44%	24%	10%
Rumsey	55	-	45%	15%

Capay Valley Region Needs Assessment

THRIVING RESIDENTS

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Community Identity	Guinda Town Hall improvements (grading, painting and repairs, septic work, and new overhang with ADA access)	\$50,000	In progress
Education	Provide year-round adult education for farmworker families to improve quality of life and retain high quality workforce	\$25,000 – 75,000 / yr per course	Concept
Education	Create and fund early childhood education opportunities	\$165,000 / yr per program	Concept
Health Equity	Mobile Farmers Market (run by Center for Land based Learning)	\$5,000	In progress
Health Equity	New community center and comprehensive health clinic in the Valley region	TBD	In progress
Youth Development	Create and fund afterschool programs for middle and high school kids <i>(Note: Cost range shown is assuming services provided by school district. Costs may vary widely if services were to be provided by non-profit or volunteer organization)</i>	\$15,000 - \$50,000 per year	Concept

SAFE COMMUNITIES

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Transportation	Additional roads into Capay Valley for adequate residential evacuation	New roads: \$3M / mile	Concept
Transportation	Install Park & Ride lots at key locations for casino patrons	TBD	Concept
Water	Install a municipal well and hook ups for residents of Guinda and Rumsey	\$1M	Concept
Public Safety	Provide Automated External Defibrillators (AEDs) at community buildings, such as community halls	\$2,500 ea.	Concept
Public Safety	Create Capital Improvement Plans for fire districts, building on “Yolo County Fire Protection Districts” study from July 2019	TBD	In progress
Public Safety	Replace two speed notification signs on SR-16	\$20,000	In progress

SUSTAINABLE ENVIRONMENT

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Water	Ensure sustainable water supply through responsible groundwater management <i>(Note: this will be addressed in the Yolo Groundwater Sustainability Agency's "Groundwater Sustainability Plan", due in 2022)</i>	\$1M	In progress through Yolo Groundwater Sustainability Agency (YGSA)
Water	Develop small off-stream storage to slow water down and allow for greater infiltration; streamline permitting or eliminate permit for small water storage projects of less than two acres	\$100,000	In progress through FloodSafe Yolo 2.0

FLOURISHING AGRICULTURE

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Housing	Reduce regulatory hurdles for agricultural housing on agriculturally zoned properties	Staff time	In progress, Zoning Code Update 2021
Housing	Keep migrant housing centers open year-round to ensure adequate labor supply <i>(Note: will require Federal advocacy efforts)</i>	TBD	Concept
Workforce	Work with local community colleges to develop a farm apprenticeship and training program on local farms	Funded	In progress through Agricultural Farmworker Certification program

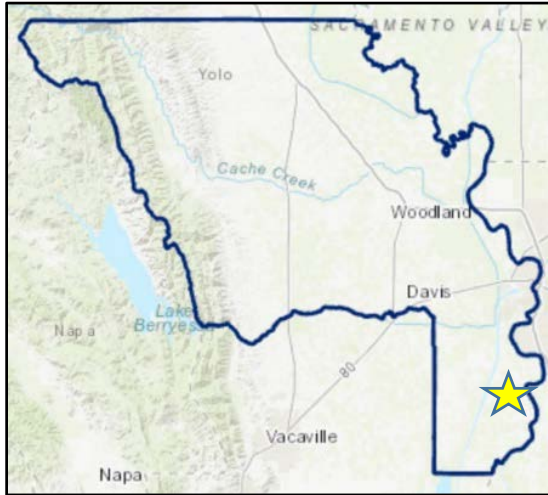
ROBUST ECONOMY

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Economy	Streamline County permitting processes	Staff time	In progress, Zoning Code Update 2021
Tourism	Installation of way-finding signage throughout the Capay Valley region	\$60,000	Shovel Ready
Tourism	Install public restrooms in Guinda for rafters/hikers/cyclists	\$200,000 – \$500,000	Concept
Tourism	Develop bicycling and hiking trails throughout the region; expand access to state/federal lands in West; improve facilities at existing County parks; create more campgrounds	TBD	Concept

ROBUST ECONOMY

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Broadband	Extend broadband service to Capay Valley	TBD	Concept
Utilities	Conduct assessment of necessary infrastructure and essential services needed to make Valley attractive to new businesses	\$150,000	Concept
Utilities	Conduct Guinda wastewater treatment facility feasibility study; public utilities needed to attract commercial businesses	\$70,000	Concept

Clarksburg Community Profile



The rural community of Clarksburg comprises about two (2) square miles and is located in the extreme southeastern corner of the County, on the west bank of the Sacramento River. Clarksburg lies within the primary zone of the Sacramento-San Joaquin Delta and is subject to regulation by the Delta Stewardship Council and the Delta Protection Commission. Clarksburg is within the 1st Supervisorial District.

Clarksburg is best known for its grapes and viticulture, though other crops grown include grass (seed and sod) and tomatoes.

*Demographics, 2010 Census
Safety Net Data, Yolo County HHSA, June 2020*

<i>Clarksburg</i>	
Total population	448
Median age (years)	48.7
Estimated MHI	\$69,482
Race	
White	81.1%
Latino	26.1%
American Indian	0.5%
African American	0.5%
Occupied Housing Units	182
Owner-occupied Units	68.5%
Poverty	-
Medi-CAL	54%
CalFresh	1%



Clarksburg Needs Assessment

THRIVING RESIDENTS

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Health	Establish bicycle routes to/through the community, possibly using old railroad right-of-way	\$150,000*	Concept
Health Equity	New outdoor public recreational facility	\$15M	Site Plan in progress
Youth	Create after school programs for youth, including education about trades and agriculture	\$75,000 / yr	Concept
Community Identity	Offer English-to-Spanish and Spanish-to-English classes to facilitate community communication	\$75,000 / yr	Concept

**Potential SACOG funding for transportation study*

SAFE COMMUNITIES

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Transportation	<ul style="list-style-type: none"> • Realign and install safety improvements on Jefferson Blvd • Install additional guardrails on South River Road • Install crosswalks on Clarksburg Rd and School St • Improve street lighting, install fog lights, and widen key intersections 	\$100,000*	Concept
Transportation	Ensure trees and shrubs do not inhibit traffic visibility	\$10,000 / yr	Concept
Public Safety	Improve law enforcement response time	TBD	Concept

**Potential SACOG funding for transportation study*

SUSTAINABLE ENVIRONMENT

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Waste	Develop and implement strategies to reduce illegal dumping of refuse and animals	\$100,000	Concept

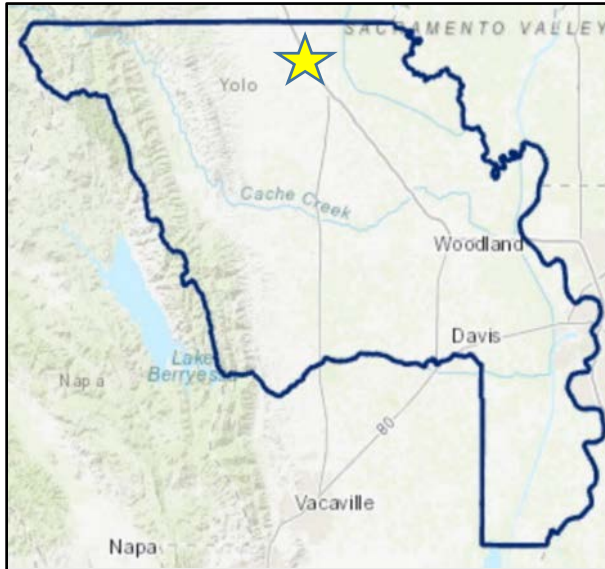
FLOURISHING AGRICULTURE

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Housing	Reduce regulatory hurdles for agricultural housing on agriculturally zoned properties	Est. \$150,000 (staff time)	In progress, Zoning Code Update 2021

ROBUST ECONOMY

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Economy	Connect Clarksburg area to high-speed broadband	\$1M	In progress, pending grant award from CA State Library
Tourism	Install public dock / marina on Sacramento River	\$3.0M	Concept
Flood	Bring levees up to current Army Corps standards	\$187M	Flood Risk Reduction study completed
Flood	Reduce cost and burdens of FEMA regulations and flood insurance within agricultural zones	N/A	In progress through Flood Safe Yolo 2.0

Dunnigan Community Profile



The rural community of Dunnigan is located in the northeastern portion of Yolo County, bisected by Interstate 5, just north of the interchange between Interstate 505 and I-5. The City of Woodland is located approximately 14 miles to the south, and the town of Arbuckle in Colusa County is located approximately 8 miles to the north. Dunnigan is located within Supervisorial District 5 of the County.

The town has no public sewer or water systems, relying on groundwater wells, septic systems and small wastewater treatment facilities with ponds.

*Demographics, 2010 Census
Safety Net data, Yolo County HHSA, June 2020*

<i>Dunnigan</i>	
Total population	1,278
Median age (years)	41.7
Estimated MHI	\$28,833
Race	
White	59 %
Latino	41.2 %
American Indian	1.3 %
African American	1.8 %
Occupied Housing Units	558
Owner-occupied Units	81 %
Poverty	19 %
Medi-CAL	47 %
CalFresh	12 %



Dunnigan Needs Assessment

THRIVING RESIDENTS

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Health	Establish bicycle routes to/through the community, possibly by replacing culverts with underground drainage	\$25,000*	Concept
Health Equity	Projects to be developed by Rural Health Coordinator	Funded	In progress

**Potential funding from SACOG for active transportation study*

SAFE COMMUNITIES

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Transportation	Improve street lighting <i>(Note: could be folded into bike route study, above)</i>	TBD	Concept
Public Safety	Improve law enforcement response time	TBD	Concept

SUSTAINABLE ENVIRONMENT

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Water	Reduce reliance on groundwater to ensure water supply reliability and address subsidence	GSP funded by \$1M DWR grant	In progress through YGSA

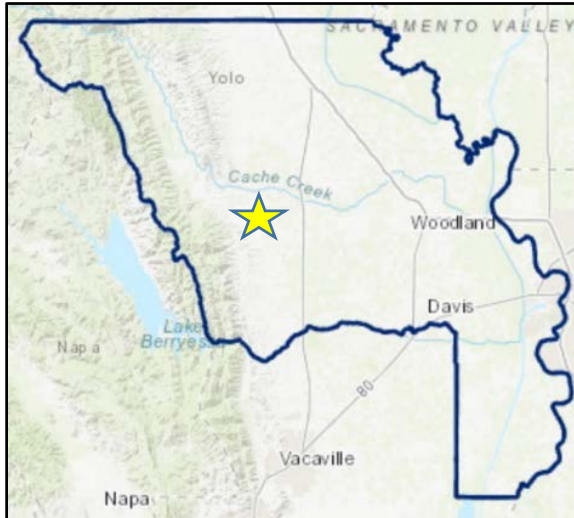
FLOURISHING AGRICULTURE

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
	Projects not yet identified		

ROBUST ECONOMY

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
	Projects not yet identified		

Esparto Community Profile

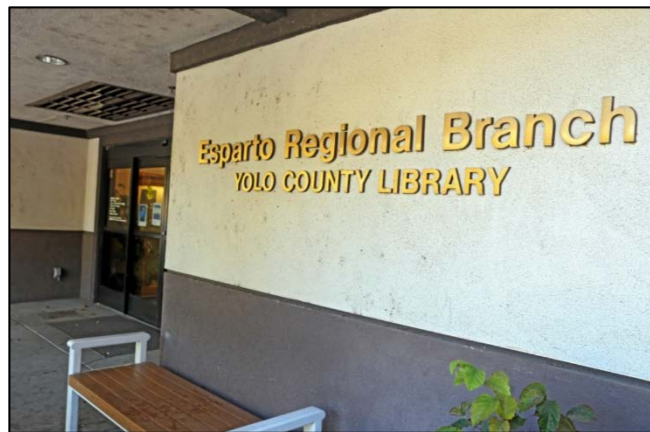


Esparto is the most populous rural community and is located in the central portion of Yolo County, bisected by Highway 16, roughly halfway between Woodland and the town of Brooks. Located within Supervisorial District 5, Esparto is considered the “gateway” to the Capay Valley region.

Public water and sewer are provided by the Esparto Community Services District.

*Demographics, 2010 Census
Safety Net data, Yolo County HHSA, June 2020*

Esparto	
Total population	3,783
Median age (years)	33
Estimated MHI	\$69,343
Race	
White	60 %
Latino	44 %
American Indian	4.2 %
African American	1.4 %
Occupied Housing Units	1,055
Owner-occupied Units	71 %
Poverty	8 %
Medi-CAL	32 %
CalFresh	9 %



Esparto Needs Assessment

THRIVING RESIDENTS

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Health	Expand availability of medical and dental services	Funded	In progress
Health Equity	Projects to be developed by Rural Health Coordinator	Funded	In progress
Health	Install playing field lights and shade structures at Tuli Mem Park	\$200,000	Shovel ready
Education	Keep Esparto Library open full time and year round	\$10,000 / yr	Concept
Community Identity	Construct a community center	\$8M	Concept

SAFE COMMUNITIES

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Transportation	Install multi-use path around/throughout town to link school routes and provide recreation Install sidewalks throughout the community Replace Yolo Ave and Fremont St bridges with ones that can withstand 100-year flood events	\$50,000* for feasibility study	Concept
Public Safety	Improve law enforcement response time	\$200,000	Complete, Resident Deputy implemented July 2020
Public Safety	Obtain specialized off-road equipment to be able to respond to OHV emergencies in Cache Creek	\$30,000	In progress, August 2020

**Potential SACOG funding for active transportation study*

SUSTAINABLE ENVIRONMENT

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Utilities	Long-term CIP needed for water and wastewater services	\$80,000	Concept
Utilities	Install solar system at Tuli Mem Park	TBD	Concept
Waste	Expand hours of Esparto Transfer Station to reduce illegal dumping	\$150,000 / yr, each add'l day	Concept

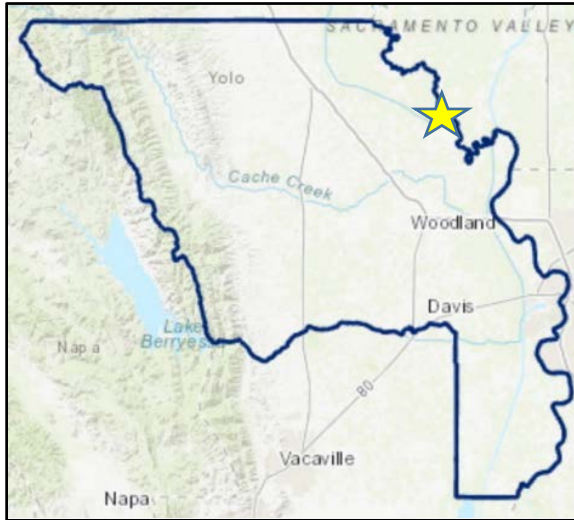
FLOURISHING AGRICULTURE

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Housing	Adequate affordable housing needed to reduce competition between farm workers and casino employees	TBD	Concept

ROBUST ECONOMY

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Broadband	Expand Library's Wi-Fi to cover businesses on the length of Yolo Ave	TBD	Concept

Knights Landing Community Profile



Knights Landing is located in the northeastern portion of Yolo County on the west bank of the Sacramento River and lies within Supervisorial District 5. Knights Landing is designated as a “disadvantaged community” and an “economically distressed area” by state and federal standards.

Public water and wastewater services are provided by the Knights Landing Community Services District.

*Demographics, 2010 Census
Safety Net data, Yolo County HHSA, June 2020*

Knights Landing	
Total population	869
Median age (years)	34
Estimated MHI	\$38,068
Race	
White	56 %
Latino	42 %
American Indian	0.7 %
African American	0.4 %
Occupied Housing Units	343
Owner-occupied Units	66 %
Poverty	4 %
Medi-CAL	71 %
CalFresh	18 %



Knights Landing Needs Assessment

THRIVING RESIDENTS

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Health Equity	Community park with sports fields	\$4.7M	Conceptual design/site plan completed
Health Equity	Expand availability of medical and dental services	TBD	Concept
Health Equity	Promenade and trails along Sacramento River	\$250,000 per mile for dirt / \$1M per mile for paved	In progress, will be evaluated as part of SCFRR grant
Health Equity	System-wide upgrades and repairs to community drinking water system	\$2.6M	Concept
Community Identity	Youth leadership program	\$25,000 / yr	Concept

SAFE COMMUNITIES

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Transportation	Improve pedestrian safety near Sci-Tech Academy	TBD	Concept on HW 113; speed humps installed on Rail Road St.
Transportation	Reduce localized flooding by constructing new drainage detention basin (Drainage study in progress)	TBD	Will be designed and permitted as part of SCFRR grant
Public Safety	Repairs to KL Fire Station	\$40,000	Repairs identified, funding needed
Public Safety	Resident deputy for Knights Landing	\$200,000 / yr	Concept

Public Safety	Levee repairs – Sac River	\$12M	In progress, SCFRR grant
Public Safety	Levee repairs – Knights Landing Ridge Cut	\$16M	In progress, SCFRR grant
Public Safety	New cross levee – provide 100-year flood protection	\$33M	In progress, design and permitting through SCFRR grant

SUSTAINABLE ENVIRONMENT

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Utilities	Long-term CIP needed for water and wastewater services	\$80,000	Concept
Waste	Provide recycling and green waste services <i>(Note: Waste management services provided by Waste Management)</i>	TBD	Concept

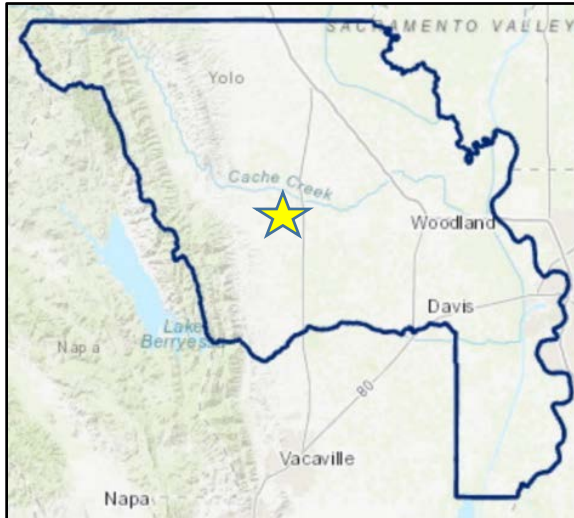
FLOURISHING AGRICULTURE

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>

ROBUST ECONOMY

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Economy	100-year flood protection needed	\$90M	In progress

Madison Community Profile



Madison is located in the central portion of Yolo County, just west of the intersection of I-505 and HWY 16 and lies within Supervisorial District 5. Madison is designated as a “disadvantaged community” and “Low/Moderate Income” area by some state standards.

Public water and wastewater services are provided by the Madison Community Services District. Madison lies within the 100-year flood zone and is subject to localized flooding during moderate precipitation events.

*Demographics, 2010 Census
Safety Net Data, Yolo County HHSA, June 2020*

Madison	
Total population	727
Median age (years)	28.6
Estimated MHI	\$64,904
Race	
White	44.5 %
Latino	52 %
American Indian	0.6 %
African American	1.8 %
Occupied Housing Units	141
Owner-occupied Units	63 %
Poverty	3 %
Medi-CAL	35 %
CalFresh	10 %



Madison Needs Assessment

THRIVING RESIDENTS

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Health Equity	Benches and shade structures at soccer fields	\$30,000	Concept
Transportation	Relocate Yolo Bus shelter closer to migrant housing	\$300,000	Concept
Health Equity	Projects to be developed by Rural Health Coordinator	Funded	In progress
Health Equity	Increase medical and dental services	TBD	Concept

SAFE COMMUNITIES

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Public Safety	Replace fire station	\$1.3M	Concept
Public Safety	Obtain specialized off-road equipment to be able to respond to OHV incidents in Cache Creek	\$30,000	In progress, OHV grant funds avail. Jan 2021
Public Safety	22KW generator needed for emergency backup power for Madison Fire Dist.	\$50,000	Concept
Public Safety	Implement flood risk reduction projects to divert flood waters from Madison <i>(Note: \$348,000 awarded to County from CALOES in FY19/20 for purpose of flood project(s) design)</i>	TBD	Approx. \$350,000 spent in FY 19/20 on Madison flood projects; add'l projects under design

SUSTAINABLE ENVIRONMENT

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Utilities	Repair/replace water system, add storage tank, meet fire flow requirements (Project cost: \$6.6M; assume 10% cost share)	\$660,000 (local cost share)	In progress, seeking funding
Utilities	Investigate odor from wastewater treatment ponds <i>(Note: Could refer to YSAQMD)</i>	TBD	N/A

FLOURISHING AGRICULTURE

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Housing	Adequate (non-farm labor) affordable housing needed	TBD	Concept
Housing	Keep migrant housing open year round <i>(Note: Would require federal advocacy)</i>	TBD	Concept

ROBUST ECONOMY

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Economy	100-year flood protection needed	\$345,000	25-yr flood protection attained in FY 19/20; add'l project designs under development with CalOES grant

Town of Yolo Community Profile



Yolo is located five miles north of Woodland along I-5 and lies within Supervisorial District 5. Cache Creek runs immediately south of the town. Yolo is considered a “Low/Moderate Income” area by some state standards.

Public water is provided by the Cacheville Community Services District.

*Demographics, 2010 Census
Safety Net Data, Yolo County HHS, July 2020*

Town of Yolo	
Total population	452
Median age (years)	36
Estimated MHI	\$61,563
Race	
White	62 %
Latino	34 %
American Indian	0 %
African American	2 %
Occupied Housing Units	165
Owner-occupied Units	48 %
Poverty	9 %
Medi-CAL	232
CalFresh	77



Town of Yolo Needs Assessment

THRIVING RESIDENTS

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Health Equity	Basketball court and associated small park infrastructure	\$20,000	Concept
Utilities	Infrastructure assessment & CIP for Cacheville CSD	\$60,000	Concept
Education	Replace Yolo Branch Library	\$4M	In progress; CDBG funding application submitted in July 2020

SAFE COMMUNITIES

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Public Safety	Replace well and provide adequate water storage and treatment for community drinking water supply	\$1.5M	Concept
Public Safety	Implement flood risk reduction projects to reduce flood risk to Yolo	\$15M	Flood Risk Reduction study completed in 2019
Public Safety	Obtain specialized off-road equipment to be able to respond to OHV incidents in Cache Creek	\$30,000	In progress, OHV grant funds avail. in Jan 2021

SUSTAINABLE ENVIRONMENT

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
	Projects not yet identified		

FLOURISHING AGRICULTURE

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
	Projects not yet identified		

ROBUST ECONOMY

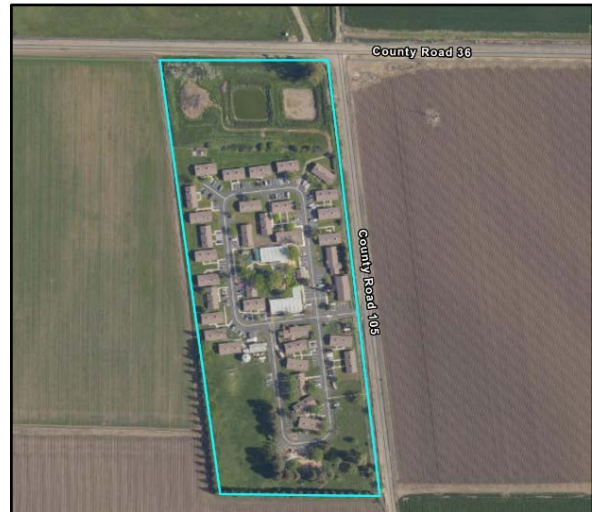
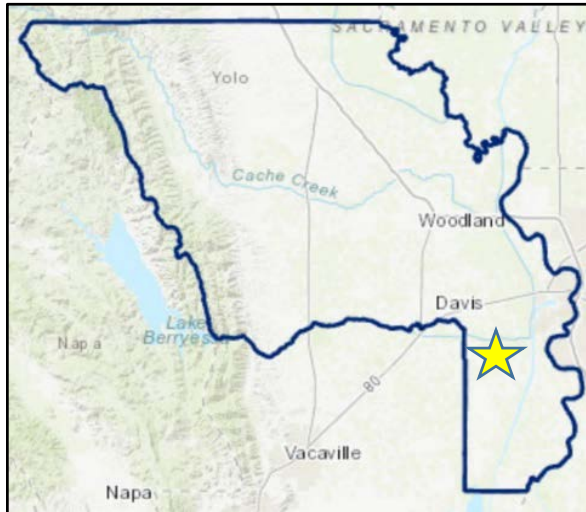
<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
	Projects not yet identified		

Appendix A – Migrant Housing Community Needs

There are two migrant housing communities within Yolo County: The Davis/Dixon Migrant Center and the Madison Migrant Center. Both are owned and operated by the Yolo County Housing Authority, with financial assistance from the state and federal government. Several project suggestions for the migrant housing communities surfaced during the data gathering phase of this project. A short profile for each migrant housing community is provided below. Migrant housing project suggestions are compiled on the following pages.

Davis Migrant Center

31150 County Road 105, Dixon



9 Two Bedroom Units, 44 Three Bedroom Units, 11 Four Bedroom Units

Madison Migrant Center

28285 HWY 16, Madison



14 Two Bedroom Units, 61 Three Bedroom Units, 13 Four Bedroom Units

Davis Migrant Center Needs Assessment

THRIVING RESIDENTS

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Health Equity	Install gym/recreation space with exercise bikes and weight machines	TBD	Concept
Health Equity	Food Bank deliveries generally contain only canned goods. With no transportation it is difficult to get fresh foods and vegetables; would like access to fresh foods.	TBD	Concept
Education	Provide computer(s), printer(s), and Wi-Fi at the migrant center	\$50,000	Concept

SAFE COMMUNITIES

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Transportation	Install bus stop at the migrant center	\$350,000	Concept
Public Safety	Create hotline for migrant center residents to report crime, housing issues, transportation help, connection to services	TBD	Concept
Public Safety	Educate residents on law enforcement jurisdiction. Residents are confused as to whom to report crime to	Staff time	Concept

SUSTAINABLE ENVIRONMENT

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
	Projects not yet identified		

FLOURISHING AGRICULTURE

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
	Projects not yet identified		

ROBUST ECONOMY

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
	Projects not yet identified		

Madison Migrant Center Needs Assessment

THRIVING RESIDENTS

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Health Equity	Install gym/recreation space with exercise bikes and weight machines	TBD	Concept
Health Equity	Food Bank does not deliver to migrant center	TBD	Concept
Health Equity	Freezers are undersized for number of residents per unit. Residents cannot take advantage of bulk purchases or large batch cooking of healthy meals.	\$500 per unit	Concept
Education	Provide computer(s), printer(s), and Wi-Fi at the migrant center	TBD	Concept

SAFE COMMUNITIES

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Transportation	Install bus stop at the migrant center, it is dangerous for residents to walk along HWY 16	\$350,000	Concept
Public Safety	Create hotline for migrant center residents to report crime, housing issues, transportation help, connection to services	TBD	Concept
Public Safety	Educate residents on law enforcement jurisdiction. Residents are confused regarding to whom to report crime	Staff time	Concept

SUSTAINABLE ENVIRONMENT

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Transportation	Residents must travel to Esparto for laundry machine change. Installation of change machine or reloadable "credit" card would reduce VMTs	\$4,000-10,000	Concept

FLOURISHING AGRICULTURE

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	<i>Status</i>
Housing	Address labor shortages/affordable housing shortage by keeping the Madison Migrant Center open year round	TBD	Concept

ROBUST ECONOMY

<i>Subject</i>	<i>Description</i>	<i>Cost</i>	
	Projects not yet identified		

Appendix B – Community Services District Needs

Small rural communities in unincorporated areas need basic services like water, wastewater management, security, fire protection, street lighting, vector control, and recreation. Since counties often consist of large and diverse geographical areas, it is difficult to provide tailored community services to any one community. Small rural communities usually do not have the tax base to necessary to incorporate services into their own city. Consequently, the Community Services District Law (Gov. Code §61000-61850) was created to provide an alternate method of providing services in unincorporated areas. Community services districts are governed by residents who live with the serve area boundary through local elections. Community service districts localize the costs and benefits of public services: CSDs let local residents get the services they desire at the price that they are willing to pay.

Yolo County currently has four (4) community services districts (CSDs):

- Cacheville Community Services District
- Esparto Community Services District
- Knights Landing Community Services District
- Madison Community Services District

While these CSDs are independent legal districts, they are subject to review by Yolo LAFCo. LAFCo has the authority to review and make determinations on the following:

- (1) Growth and population projections for the affected area.
- (2) Present and planned capacity of public facilities and adequacy of public services, including infrastructure needs or deficiencies.
- (3) Financial ability of agencies to provide services.
- (4) Status of, and opportunities for, shared facilities.
- (5) Accountability for community service needs, including governmental structure and operational efficiencies.
- (6) Any other matter related to effective or efficient service delivery, as required by commission policy.

Further, LAFCo has the power to approve or deny consolidation or reorganization of special districts, as well as jurisdictional and service area boundaries, add or remove legal powers/services provided by districts, and conduct periodic Municipal Services Reviews to ensure adequate provision of services.

This appendix provides an overview of each community services district within Yolo County and a summary of known deferred maintenance and/or recommended improvements. The improvements are further organized by 1) immediate improvements required for service delivery and 2) improvements anticipated to be needed by 2030 to allow for anticipated growth. A summary of estimated near and long-term costs is provided on the following page.

Estimated Community Services District Infrastructure Improvement Costs*

Cacheville Community Services District

Total Recommended Near-Term Improvements	\$ 1,300,000
Total Recommended Long-Term Improvements	\$ 5,500,000

Esparto Community Services District

Total Recommended Near-Term Improvements	\$ 5,950,000
Total Recommended Long-Term Improvements	\$15,130,000

Knights Landing Community Services District

Total Recommended Near-Term Improvements	\$ 7,805,000
Total Recommended Long-Term Improvements	\$ 10,210,000

Madison Community Services District

Total Recommended Near-Term Improvements	\$ 7,310,000
Total Recommended Long-Term Improvements	\$ 17,250,000

**Additional detail and information pertaining to recommended improvements for each CSD is found in the following pages of this Appendix.*

Cacheville Community Services District

PO Box 268, Yolo, CA 95697

www.cacheville.specialdistrict.org



The Cacheville Community Services District (CSD) is located four miles north of the City of Woodland and provides domestic water and street lighting services to the town of Yolo, which is approximately 89 acres in size. The town of Yolo is located along County Road 99W and the Union Pacific Railroad, south of County Road 17 and Washington Street, west of Cache Creek and County Road 98, and north of County Road 97B and Interstate 5.

The Cacheville CSD was formed on September 8, 1970 and was originally given the ability to provide water and wastewater services to the town of Yolo. The District never utilized its power to provide wastewater services, however, as the community uses private septic tanks for wastewater disposal in the area. The District added street lighting services in 1978 and acts as a pass-through agency with Pacific Gas and Electric Company (PG&E) for street lighting. Currently, the District provides street lighting services as well as domestic water supply for 165 housing units (US Census, 2010).

Service area

- 89 acres
- 452 population (2010)
- 165 housing units
- 13 commercial units

Services provided

- Water, street lighting
- *all connections are metered*

District Staff

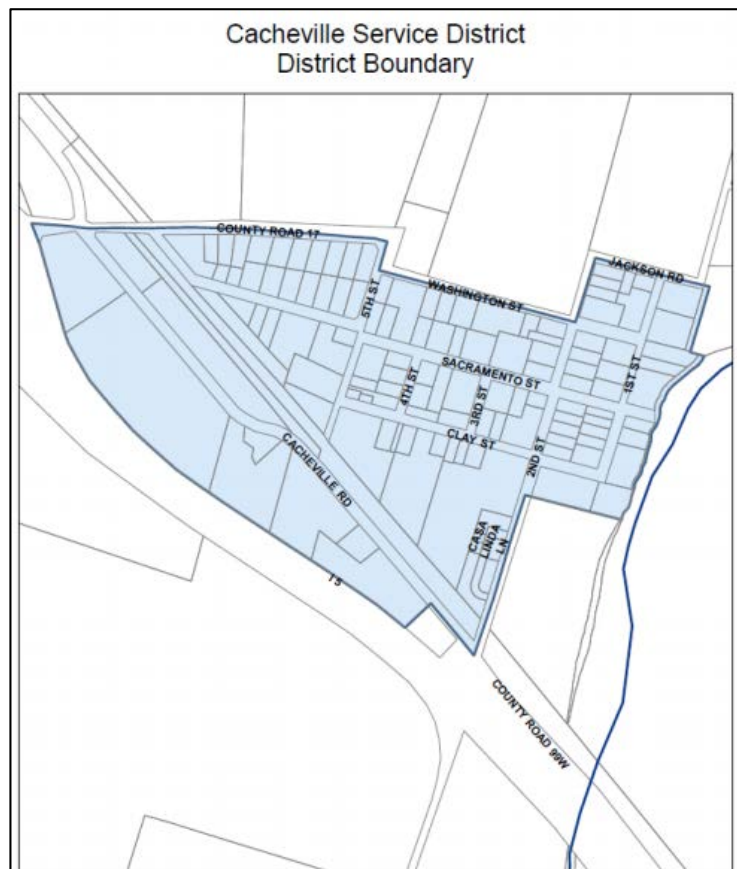
- Clerk, part-time
- Water Distribution Operator, part time

Municipal Service Review

- July 2014
- October 2006

Special Studies

- 2011 Final Facility Master Plan, Yolo County



Near-Term Improvements to Existing System

The water system was constructed in the 1970s and consists primarily of 4-inch diameter and 6-inch diameter pipes, many of which are undersized. Existing non-residential fire flows do not meet current requirements and the pipes are in need of expansion to provide adequate pressures for fire flows. The calculated current average day use based on standard demand rates and known land uses is 122 gpm.

There are two wells that are a part of the system (see Figure 1, page 35) – Washington Street Well (Well 1) and Sacramento Street Well (Well 2). Well 2 serves as a backup well. Well 1 has a reported capacity of 1,000 gpm. Well 2 capacity is reported at 100 gpm. Well 1 is equipped with a 100 hp pump and is connected to two 5,000-gallon hydropneumatic tanks. Both Well 1 and Well 2 receive chlorination treatment at the well head. Cacheville CSD staff indicate that the water system performs satisfactorily under current domestic water demands, but additional facilities would be required to handle all but a nominal amount of additional development. Back-up power is not available at the wells.

The combined pumping capacity from the wells (1000 gpm) is not adequate to meet either residential or commercial fire flow requirements (1,500 gpm residential and 2,500 commercial, respectively).

In summary, the current system has the ability to meet the existing domestic supply needs of the community but does not appear to have the ability to meet fire flow requirements without improvements. Additionally, upsizing the pumps would not resolve the fire flow deficiencies: inadequate pipeline diameter sizing throughout water distribution system constrains the delivery of these flows. The existing developed area would benefit from the upsize or replacement of some pipes and a storage tank, possibly in combination with a booster pump for fire flow and increased system reliability in the event wells are out of service.






Recommended Improvements

Water Main Upsizing	Est. Cost: \$ 1,000,000
Upsize Water Pump and Provide Backup Power	Est. Cost: \$ 300,000
Total Recommended Near-Term Improvements	\$ 1,300,000

Figure 1. Proposed Water System Configuration – 2030 Buildout



LEGEND

-  EXISTING SYSTEM WATER MAIN
-  PROPOSED WATER MAIN TO SERVE 2030 BUILDOUT & PROVIDE BACKBONE LOOP
-  EXISTING WELL
-  PROPOSED WELL
-  PROPOSED STORAGE TANK

Long-Term Improvements to Existing System

A significant increase in the size of Cacheville is envisioned by the 2030 General Plan. The land use areas and their percentage of the total 2030 build-out area are summarized in Table 1 to provide an understanding of the scope of the 2030 growth compared to the existing CSD area. It should be noted that the areas designated as developed and served may not necessarily be fully developed and/or could be redeveloped in such a way that water demands could increase. From Table 1, the areas projected for future development make up a significant fraction of the currently served area, which indicates that facility upgrades will be needed to meet water demand needs associated with the projected growth.

Table. 1 Existing and Future Development Acreages

Development Category	Acreage	Percent of 2030 Build-out
Developed and Served	78 acres	61.9 %
Future Development	48 acres	38.1 %
Total	126 acres	100 %

The 2030 growth area build-out envisioned in the General Plan expands the developed area of Cacheville from 78 acres to approximately 126 acres (an increase in service area of approximately 62%). This increase will require upsizing some of the existing water mains and the addition of system looping to increase the reliability of the current water distribution and supply system. Average day demand for the existing condition based on land use is calculated as 118 gpm and is expected to increase to 266 gpm under 2030 build-out conditions – an increase by a factor of about 2.3. The water system that would be required to serve the build-out area will depend on phasing, actual land use, and actual land use patterns, but the following recommendations include the major elements that will be required.

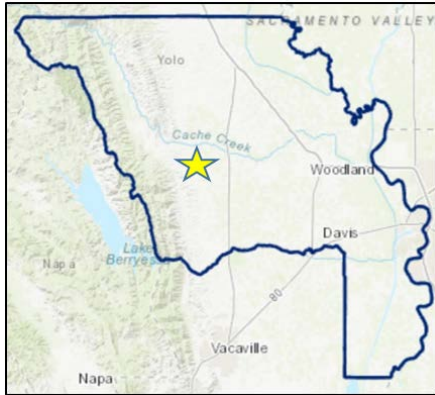
Recommended Improvements

Upgrade to 12" Transmission Main	Est. Cost: \$ 1,500,000
New Backup Well (>500 gpm)	Est. Cost: \$ 750,000
New Primary Well (>1,500 gpm)	Est. Cost: \$ 1,750,000
New Water Storage Tank (0.4 MG)	Est. Cost: \$ 1,500,000
Total Recommended Long-Term Improvements	\$ 5,500,000

Esparto Community Services District

26490 Woodland Ave, Esparto, CA 95627

www.ecsd-ca.org



The Esparto Community Services District was founded in 1969, replacing the Esparto Sanitary District, and is authorized to provide water, wastewater, and street lighting services to the approximately 3,108 residents of the unincorporated community of Esparto (US Census Bureau, 2010).

The Esparto CSD is located on Highway 16 between the communities of Madison and Capay. See the map below for greater detail.

Service area

- 531 acres
- 3,108 residents (2010)
- 1,025 water connections
- 1,107 sewer connections

Services provided

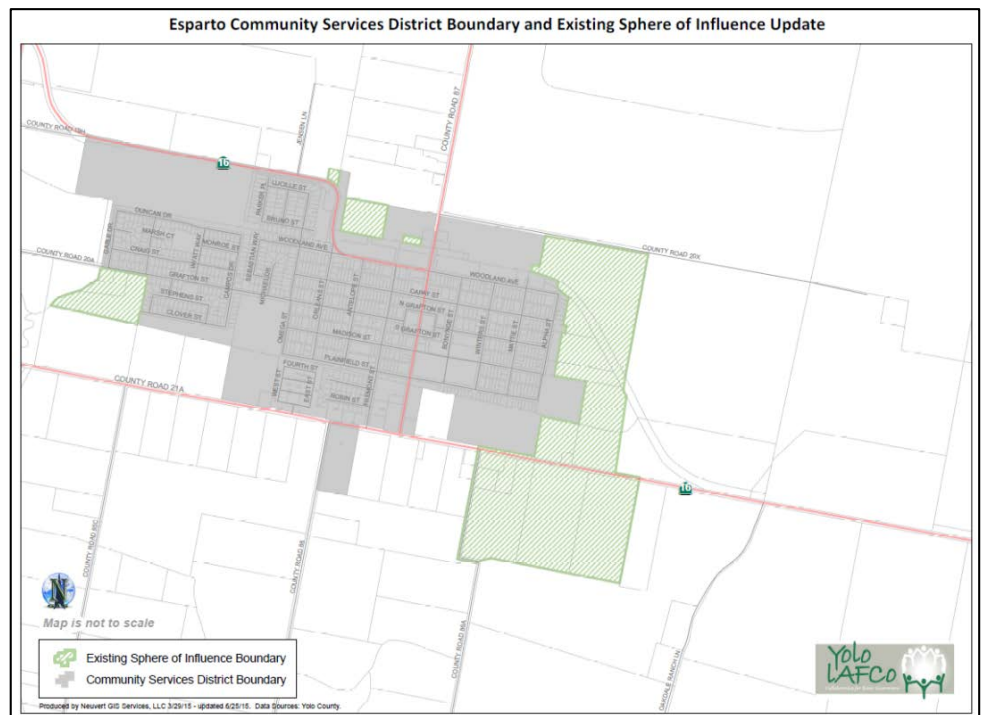
Water, wastewater, street lighting, parks and recreation
**Connections are not metered*

District Staff

- General Manager
- Fiscal Officer
- 4 water/sewer staff
- 1 parks maint. staff
- Total: 7 FTEs

Municipal Service Review

July 2015



Special Studies

- 2011 Final Facility Master Plan, Wood Rogers (Yolo County)
- 2003 Esparto CSD Facilities Update Plan, Psomas, (Esparto CSD)

Near-Term Improvements to Existing System

Water Supply and Distribution

The Esparto CSD owns, operates and maintains the water system servicing the community of Esparto, which serves a total of 1,025 water connections. According to the District's Facility Master Plan (2011), the system's infrastructure includes:

- Five (5) wells- Well 1A, Well 5, Well 5B and Well 6 (Well 5B depth is 1,200 ft; all other wells have depth of 400 feet)
- Emergency well- The Well 4 is not currently in use due to adequacy issues, but still connected to the system for emergency use
- 500,000-gallon storage tank
- Booster pump station
- Two (2) hydropneumatic tanks- connected to the distribution system in order to maintain system pressure and reliability

In total, the four in-service wells have a capacity of 2,100 gpm. Water from the wells is treated with chlorine for disinfection before entering the distribution system. Individual water service connections are not metered, but when a service is repaired or replaced a meter box is installed with a spacer to allow for future placement of a water meter.

The primary concern of the CSD with the existing system at this time is improving the flow capacity in older sections of the town by either upsizing or additional water main looping.

Wastewater Collection and Treatment

The existing wastewater collection system consists primarily of vitrified clay pipe with diameters ranging from 4-inch through 12-inch. The collection system flows by gravity to a treatment pond system on the easterly side of Esparto. A pump station is located at the headworks to the treatment ponds and is pumped into ponds by a submersible pump lift station equipped with two 500 gpm submersible Chicago pumps. Operators indicate that the collection system has both maintenance and repair problems at various locations around town, including:

- Inverted siphon passing under Lamb Valley Slough
- Sewer trunk on Omega Street located between the cross streets of Grafton Street and Capay Street
- Inadequate capacities in three sewer trunks flowing west to east between Madison Street and Woodland Avenue
- Infiltration of groundwater into sewer lines and inflow of surface water into the treatment ponds

The CSD owns 90 acres of land, which are intended to be used for treatment ponds or other treatment and disposal facilities. However, the actual useable property is approximately 75-acres, containing 10 ponds totaling 42.7 acres. A portion of the 90 acres is impaired by the South Fork

Willow Slough, Lamb Valley Slough, and Oakdale Ranch Lane, which reduces the usable property to approximately 75 acres. This property currently contains 10 ponds totaling approximately 42.7 acres. Wastewater drains by gravity to a pump station located at the headworks to the treatment ponds and is pumped into the ponds by means of a submersible pump lift station equipped with two 500 gpm submersible Chicago pumps. The existing 42.7 acres of ponds are divided by Oakdale Ranch Lane, which progresses in a northerly direction from Highway 16. The existing system is configured with Ponds 1-6 totaling 12.7-acres on the west side of Oakdale Ranch Lane and four ponds totaling a measured 30-acres to the east of the Lane. Ponds 1 and 2 are treatment ponds, and the remaining ponds are disposal ponds. Currently, the remainder of the CSD property is used as an emergency overflow area. Levees around the ponds provide a barrier between the ponds and the adjacent Lamb Valley Slough and South Fork Willow Slough.

There are no improvements needed in the near-term for the wastewater treatment system.

Recommended Improvements

Water System Improvements

Water Main Upsizing	Est. Cost: \$ 5,600,000
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<u>Total Recommended Near-Term Water Improvements</u>	<u>\$ 5,600,000</u>
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Wastewater System Improvements

8-inch Sewer Trunk Diversion	Est. Cost: \$ 220,000
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Sewer Lift Station and Force Main	Est. Cost: \$ 130,000
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<u>Total Recommended Near-Term Wastewater Improvements</u>	<u>\$ 350,000</u>
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<u>Cumulative Recommended Near-Term Improvements</u>	<u>\$ 5,950,000</u>
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Long-Term Improvements to Existing System

Future Water Supply and Distribution – 2030 Expected Growth

The 2030 growth area build-out envisioned in the General Plan expands the developed area of Esparto from 235 acres to approximately 614 acres (an increase in service area of approximately 2.6 times). This increase will require increases in the size and reliability of some portions of the current water distribution and supply system. The current average daily demand is 651 gpm and is expected to increase to 1,500 gpm under 2020 build-out conditions. Current fire flow requirements are expected to increase from 2,500 gpm to 3,500 gpm.

Table 2. Water System – Current vs. Expected Demand

Requirement	Current	2030 Build-out
Average Daily Demand	651 gpm	1,500 gpm
Max. Fire Flow	2,500 gpm	3,500 gpm

Future Wastewater Collection and Treatment – 2030 Expected Growth

Similar to the water system, the growth area for 2030 build-out will require a sizable expansion of Esparto’s wastewater collection and treatment system. The peak sewer flow generation is expected to increase from the existing condition flow, estimated at 1.87 MGD, to a projected 2030 build-out flow of 4.58 MGD – an increase by a factor of approximately 2.4.

Recommended improvements to the wastewater collection and treatment system to accommodate the growth projected by the County’s 2030 General Plan are provided below.

Recommended Long-Term Improvements

Water System Improvements

Transmission Main Loop	Est. Cost: \$ 2,630,000
New Water Supply Well(s)	Est. Cost: \$ 1,200,000
Additional Water Storage	Est. Cost: \$ 2,600,000
Total Recommended Long-Term Water Improvements	\$ 6,430,000

Wastewater System Improvements

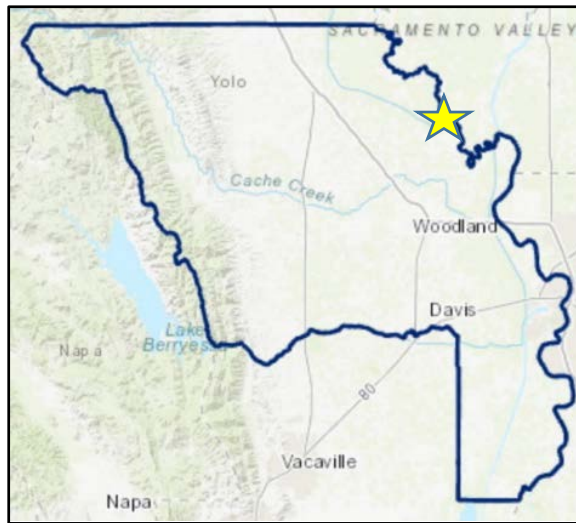
Gravity Collector System (New Development)	Est. Cost: \$ 2,500,000
Upsize of existing 12” Trunk Line & Relief Sewer Line	Est. Cost: \$ 1,000,000

New Lift Station at Pond Outfall	Est. Cost: \$ 900,000
Upsize Collector Sewers	Est. Cost: \$ 1,750,000
Land Acquisition (80-acres for new ponds)	Est. Cost: \$ 800,000
New Storage Pond(s)	Est. Cost: \$ 650,000
New Aeration Pond(s)	Est. Cost: \$ 500,000
Construct Effluent Irrigation System	Est. Cost: \$ 600,000
<u>Total Recommended Long-Term Wastewater Improvements</u>	<u>\$ 8,700,000</u>
<u>Cumulative Recommended Long-Term Improvements</u>	<u>\$15,130,000</u>

Knights Landing Community Services District

PO Box 548, Knights Landing, CA 95645

www.klcsd.specialdistrict.org



The Knights Landing Community Services District (CSD) was established in May 1968 to provide water, wastewater treatment, street lighting, and parks and recreation services to the community of Knights Landing. The CSD received LAFCo approval to add storm drainage services to its list of powers in 2007. Effective July 2020, the Knights Landing CSD Board approved an agreement with the Madison CSD for Madison CSD staff to provide general operations and management services.

The community of Knights Landing is located on State Highway 113 adjacent to the Sacramento River. The current boundaries for the Knights Landing CSD roughly correspond to the perimeter of the developed areas in the community of Knights landing, with the addition of a few agricultural parcels immediately adjacent to the community.

Service area

- 220 acres
- 995 residents (2010)
- 380 housing units
- 287 connections

Services provided

- Water, wastewater, street lighting, parks and recreation, storm water
- *Connections are not metered*

District Staff

- Madison CSD staff (contract)
- Part-time bookkeeper
- Total: 2.0 FTE's

Municipal Service Review

December 2014

Special Studies

- 2011 Final Facility Master Plan, Wood Rogers (Yolo County)

**Knights Landing Community Services District
Boundary and Sphere of Influence**



Near-Term Improvements to Existing System

Water Supply and Distribution

The Knights Landing CSD owns, operates and maintains the water distribution system serving the town of Knights Landing. The water system was constructed in the 1970s and consists primarily of 6" diameter pipes, many of which are undersized. Existing non-residential fire flows do not meet current requirements, and the pipes are in need of expansion to provide adequate pressures for fire flows. Average daily water demand is roughly 200 gpm, with a peak demand of 695 gpm. The community water supply is drawn from three (3) active wells.

Well	Capacity (gpm)	Constructed	Depth (ft)	Status
Well 3 (Railroad St.)	500	1971	332'	Active
Well 4 (Ridge Cut)	1,000	1981	342'	Active
Well 5 (Third St.)	1,500	1999	402'	Active

The combined pumping capacity of the three (3) active wells should allow the system to meet fire flow requirements (1,500 gpm residential and 2,500 gpm commercial). However, the 4-inch and 6-inch diameter piping throughout the system constrains the delivery of flows, and the pipes are in need of expansion to provide adequate pressure for fire flows. In summary, the District's water system has the capacity to meet the community's existing water supply needs but cannot meet fire flow requirements without improvements. The addition of above ground water storage is needed to ensure adequate water capacity and pressure. Above ground storage is estimated to cost \$500,000.

Well 3 is recommended for replacement because of its age and recent problems with water quality; typically wells experiencing these issues experience further degradation over time. Well 3 is also losing thousands of gallons of water per month due to leaks. Replacement valves and tank repairs to stem the leaks are estimated to cost \$5,000-10,000. The CSD reports that Well 3 occasionally pumps sand. It is recommended that the well apparatus be removed and the well be cleaned and inspected. This maintenance will cost approximately \$25,000. The system proposed for 2030 assumes a production rate of 3,000 gpm from the existing wells. Subsequently, the new well is proposed to have a capacity of 1000 gpm to address future demand as well as the replacement of existing Well 3. The CSD reports that Well 5 occasionally has water quality issues with metals.

Upsizing exiting water mains would serve to improve fire flow capacities within the distribution system and benefit the future development areas by providing additional transmission capacity through the existing area. A study to determine upsizing requirements was not part of this analysis. Water distribution system modeling is recommended to confirm the appropriate upsizing using fire flows appropriate to the existing and planned land use, as well as to plan for service to future growth areas. The approximate total length of existing 4-inch/6-inch diameter lines is about 20,985 lineal feet. All public water systems are required to meter their water deliveries by 2025. Knights Landing CSD does not have meters installed. The estimated cost for metering is \$500,000.

Wastewater Collection and Treatment

Wastewater from the collection system drains by gravity to the wastewater treatment facility located on 51.5-acres of property, southeast of town. The treatment facility is adjacent to the Knights Landing Ridge Cut, which is located on a 473-acre parcel of land under Williamson Act contract. The treatment facility consists of 10 facultative ponds plus a “spreading area” that serves as an emergency holding area to accommodate excess hydraulic flows during years of heavy flooding.

The facultative ponds were originally constructed in 1977 and have reached their current configuration in stages over the years. The latest modification was completed in 2008; improvements included the addition of two ponds to the then-current eight pond system to increase the treatment system capacity to 0.112 mgd. The lift station at the treatment pond headworks consists of a sump structure and two submersible-style pumps which transfer water into the treatment ponds through a common 6-inch diameter pipeline. The lift station pumps incoming wastewater from an elevation of 13.19 feet at the sump intake into the facultative ponds, which operate at a design water surface elevation of 28.3-feet.

Pond sludge removal should occur approximately once every 10-15 years. The last documented sludge removal occurred in 2005 in pond 8.

The current wastewater treatment system has the ability to meet the current need with some minor upgrades. The wastewater distribution system needs replacement and a new forced main to the ponds. The system also needs new pumps and a solids separator. The estimated cost for these improvements is \$1,720,000. The CSD has applied for a infrastructure planning grant (\$160,000) from the State Water Resources Control Board for the planning, design, and engineering of these improvements. There is no local match required for this funding source.

The wastewater treatment system is sized to accommodate current development. To increase system reliability, an emergency alarm system is recommended at the lift station to alert the operator if the lift station pumps fail.

Recommended Improvements

Water System Improvements

Water Main Upsizing	Est. Cost: \$ 3,550,000
New well	Est. Cost: \$ 1,500,000
Maintenance of Well 3	Est. Cost: \$ 35,000

Addition of above ground storage tank	Est. Cost: \$ 500,000
Installation of water meters	Est. Cost: \$ 500,000
Total Recommended Near-Term Water Improvements	\$ 6,085,000

Wastewater System Improvements

New Lift Station at Outfall to Ponds	Est. Cost: \$ 650,000
Parallel Collector Sewer	Est. Cost: \$ 570,000
Installation of Solids Separator	Est. Cost: \$ 500,000
Total Recommended Near-Term Wastewater Improvements	\$ 1,720,000

Cumulative Recommended Near-Term Improvements	\$ 7,805,000
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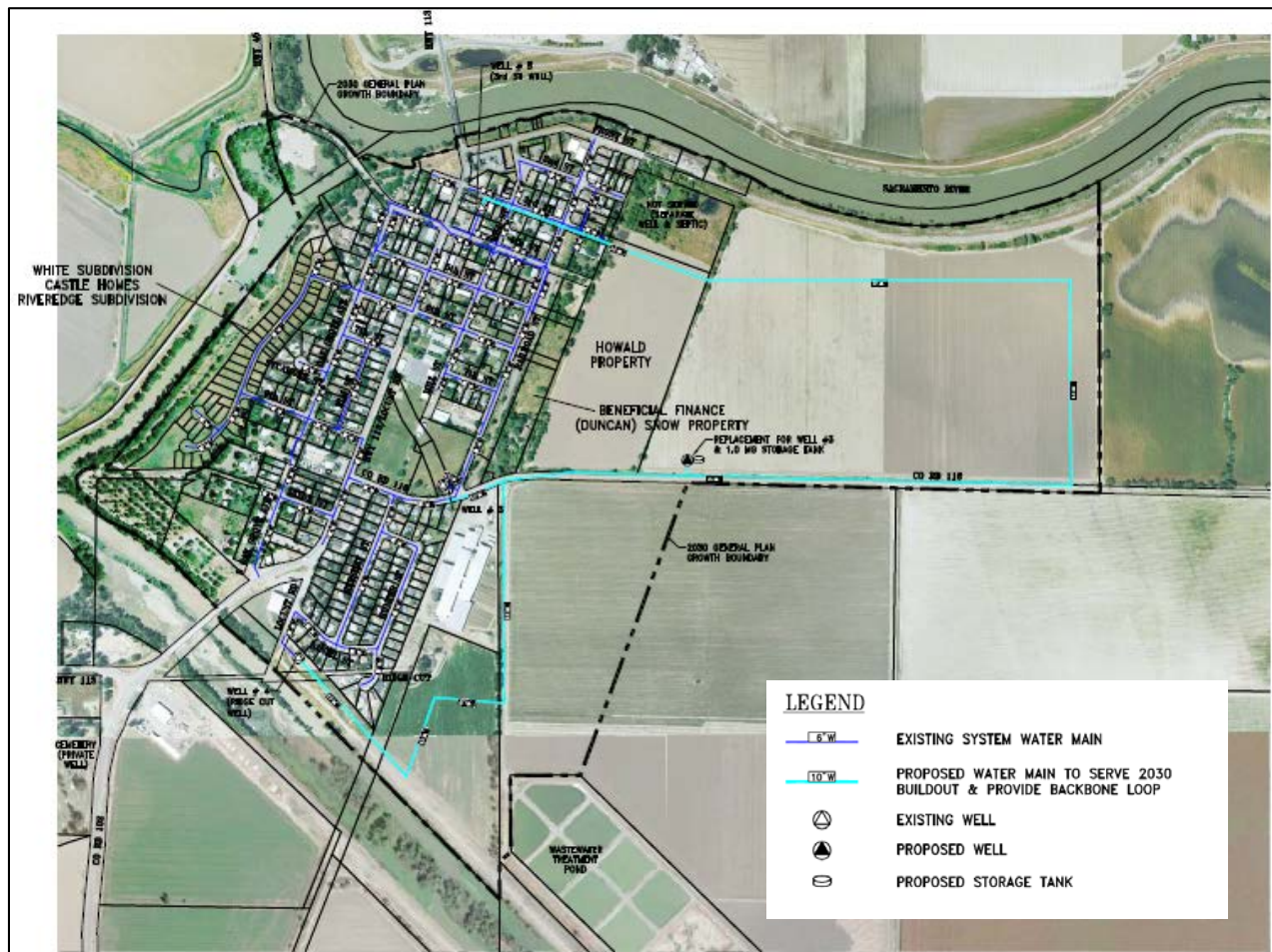
Long-Term Improvements to Existing System

Future Water Supply and Distribution – 2030 Expected Growth

The 2030 growth area build-out envisioned in the General Plan expands the developed area of Knights Landing from 151 acres to approximately 407 acres (an increase in service area of approximately 2.7 times). This increase will require a significant increase in the size and reliability of the current water distribution and supply system.

Average day demand for the existing condition based on land use is calculated as 203.9 gpm and is expected to increase to 976.7 gpm under 2030 build-out conditions – an increase by a factor of almost five. The 2030 system presented assumes a fire flow requirement of 2,500 gpm. Figure 2, below, is a conceptual future build-out schematic prepared by Wood Rodgers in 2012.

Figure 2. Water Distribution System – 2030 Buildout



It is recommended that additional water mains which loop through the future growth areas and connect to the existing distribution system be provided for water circulation to all areas and allow fire flow to come from wells throughout the community with a minimal head loss. The loops shown in Figure 2, above, represent about 11,000 feet in new distribution trunks and would be constructed in phases. Detailed modeling of the entire pipe network would be needed to confirm the size of the pipe needed, but 10-inch and 12-inch diameter lines have been assumed for the purposes of previous study.

An additional well will be required to provide water supply for the future growth area. The 2030 system includes a new well assumed to both serve the future growth area and to replace Well 3. The new well is shown in the Specific Plan Area adjacent to the proposed storage tank (refer to Figure 2, above). The location of the well is approximate and will depend on phasing but should be located centrally to future development areas and be linked to the proposed transmission main loop.

Future Wastewater Collection and Treatment – 2030 Expected Growth

Similar to the water system, the growth area for 2030 build-out will require a significant expansion of Knights Landing’s wastewater collection and treatment system. Based on the proposed General Plan land uses, the peak sewer flow generation is expected to increase from the existing condition flow, estimated at 0.704 MGD, to a projected 2030 build-out flow of 1.94 MGD – an approximate 3-fold increase. The collection system required to serve the build-out area will depend on development phasing, land use type, and land use patterns.

Recommended Long-Term Improvements

Water System Improvements

Transmission Main Loop	Est. Cost: \$ 2,800,000
New Water Supply Well(s)	Est. Cost: \$ 1,040,000
Additional Water Storage	Est. Cost: \$ 2,600,000
Total Recommended Long-Term Water Improvements	\$ 6,440,000

Wastewater System Improvements

Gravity Collector System (New Development)	Est. Cost: \$ 1,680,000
Upsize/replace 12” Trunk Line	Est. Cost: \$ 510,000
Treatment Pond Headworks Improvements	Est. Cost: \$ 390,000

New Lift Station at Outfall to Ponds	Est. Cost: \$ 650,000
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Parallel Collector Sewer	Est. Cost: \$ 570,000
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<u>Total Recommended Long-Term Wastewater Improvements</u>	<u>\$ 3,770,000</u>
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<u>Cumulative Recommended Long-Term Improvements</u>	<u>\$10,210,000</u>
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Madison Community Services District

28963 Main Street, Madison, CA 95653

www.madisoncsd.org



The Madison Community Services District was formed in 1966 to provide water, wastewater, street lighting, and parks and recreation services to the approximately 503 residents living in the unincorporated community of Madison (US Census, 2010). Additionally, an agreement between the Madison CSD and Yolo County Housing Authority (YCH) was established in 1968 authorizing the District to provide wastewater treatment and domestic water supply services to the Madison Migrant Center operated YCH. The Migrant Center is located at the District’s eastern boundary, and houses about 300 people during the growing season from April through November each year. Effective July 2020, the Knights Landing CSD Board approved an agreement with the

Madison CSD for Madison CSD staff to provide general operations and management services.

The Madison CSD is governed by a five-member Board of Directors. The District, which is staffed by a General Manager and a system operator, contracts with Esparto CSD for finance and administration services. The Madison CSD serves approximately 60 acres bounded by Highway 16 on the north and Interstate 505 on the east. The Madison Migrant Center is located outside the District boundaries but within the current SOI.

Service area

- 60 acres
- 503 residents (2010)
- 239 housing units
- 248 connections

Services provided

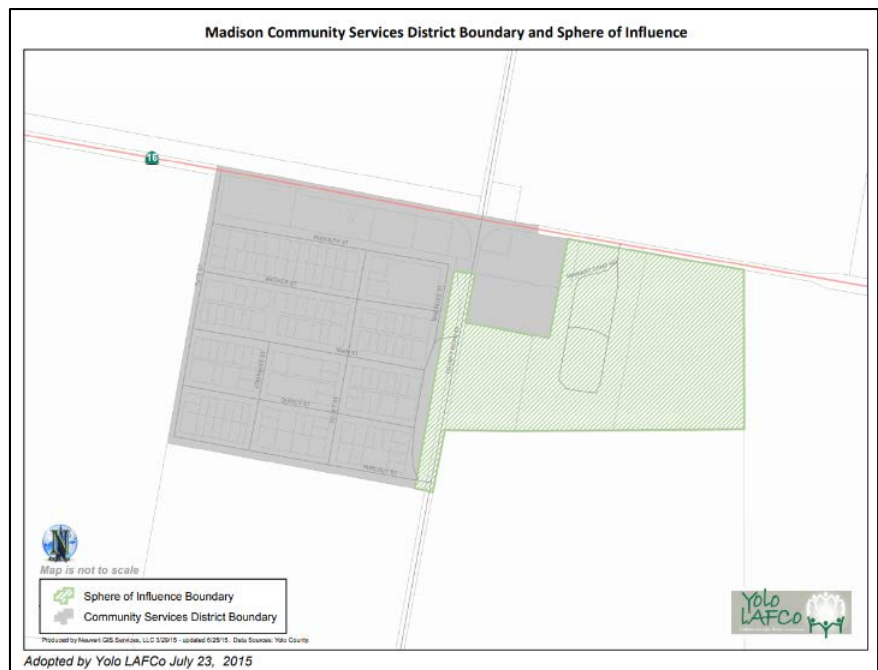
- Water, wastewater, street lighting, and parks and recreation
- *Water not metered*

District Staff

- Full-time manager
- Full-time operator
- Total: 2 FTE’s

Municipal Service Review

December 2015



Special Studies

- 2011 Final Facility Master Plan, Wood Rogers (Yolo County)
- Madison CSD Water Improvement Preliminary Engineering Report (Yolo County, 2018)

Near-Term Improvements to Existing System

Water Supply and Distribution

According to the Madison CSD Facility Master Plan (2011), the CSD's domestic water supply and distribution system was constructed in the 1960's and consists primarily of 6-inch diameter pipes made of transite. The system has three wells (Park Wells 1, 2, and 3). Park Well 3 is the primary well with a production rate of 500 gallons per minute (gpm). Park Well 1 is used as the back-up well, with a production rate of 450 gpm. Park Well 2 is considered an emergency backup well due to sand infiltration problems and is only capable of approximately 110 gpm.

Table 3. Existing Well Data

Well Name	Date Drilled	Capacity (gallons per minute)	Status
Park Well 1	Unk (1960's ?)	450 gpm	Not in use Requires submersible pump
Park Well 2	2007	110 gpm	Current backup well
Park Well 3	2010	650 gpm	Main Well

The 2011 Facility Master Plan reports that the Madison CSD water system's transite pipe distribution network is prone to water main breaks and leaks, with approximately four to six major breaks per year. The system is also unable to meet state mandated fire flow requirements, as discussed previously. The system requires several near-term improvements to address these issues, including replacement of the transite water main pipes, upsizing of the existing water mains from 6-inch to 12-inch, and the addition of a 0.25 MG storage tank. The District also hopes to add water meters to all connections in order to more accurately charge for water usage.

Madison CSD charges a flat rate of \$36 per month (2020) for residential water use, resulting in water system revenues of approximately \$217,000 per year. Its current rate structure is not sufficient to fund near-term infrastructure improvements. The 2018 Preliminary Engineering Report (Coleman Engineering, 2018) recommends that the CSD set aside approximately \$25,500 per year in a new "Asset Reserve" account. Table 4, below, describes the assets that their anticipated replacement schedule.

Table 4. Asset Replacement Reserve Fund Recommendations

Description	Replacement Cost	Type of Reserve	Annual Reserve Requirement
Well 1 Pump and Motor	\$60,000	15 years	\$4,000
Disinfection System	\$15,000	10 years	\$1,500
High Flow Pumps	\$150,000	20 years	\$7,500
Low Flow Pumps	\$100,000	20 years	\$5,000
Emergency Generator	\$150,000	20 years	\$7,500
Total =			\$25,500

The District has analyzed the need to raise its rates but has concerns that even a modest increase will have a significant impact on the small ratepayer base. The median income in Madison community is \$40,221, which is only 70% of the statewide median of \$57,708, qualifying the community to apply for funding as a “Disadvantaged Community” as the median income is less than 80% of the state median. (Coleman, 2018)

Wastewater Collection and Treatment

The existing wastewater collection system consists of 6-inch and 8-inch vitrified clay pipe that was constructed in the 1960’s. The collection system flows by gravity to a treatment pond system on the easterly side of Madison. Operators indicate that the collection system has very few repair or maintenance requirements. However, from a downstream stream wastewater treatment standpoint, infiltration of ground water and inflow of stormwater into the collection system is a concern and a burden on the treatment system. The CSD’s wastewater permit requires that the treatment pond system have adequate capacity to hold stormwater from a 100-year storm event, plus two (2) feet of freeboard.

The Madison CSD is served with a facultative pond-type wastewater treatment facility. Facultative ponds are designed with an aerobic layer in the top few feet of the liquid surface, an anaerobic layer in the bottom few feet, and a facultative region between that is partly aerobic and partly anaerobic. Aeration is accomplished without the need for deep mixing by mechanical means. The upper aerobic zone of the pond serves to minimize odor resulting from off-gases produced from the lower anaerobic zones. There are no effluent requirements since the ponds do not discharge into receiving waters. Sludge levels are evaluated annually for determination of removal needs. The CSD plans to implement a semi-annual sludge cleaning program once it secures the necessary equipment (estimated at \$60,000).

Recommended Near-Term Improvements

Water System Improvements

Implement Water System Replacement project	\$ 6,600,000
<u>Total Recommended Near-Term Water Improvements</u>	<u>\$ 6,600,000</u>

Wastewater System Improvements

Upsize Existing Trunk System	\$ 150,000
Sludge Removal Maintenance Equipment	\$ 60,000
Solid Waste Removal Auger System	\$ 500,000
<u>Total Recommended Near-Term Wastewater Improvements</u>	<u>\$ 710,000</u>

<u>Cumulative Recommended Near-Term Improvements</u>	<u>\$ 7,310,000</u>
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Long-Term Improvements to Existing System

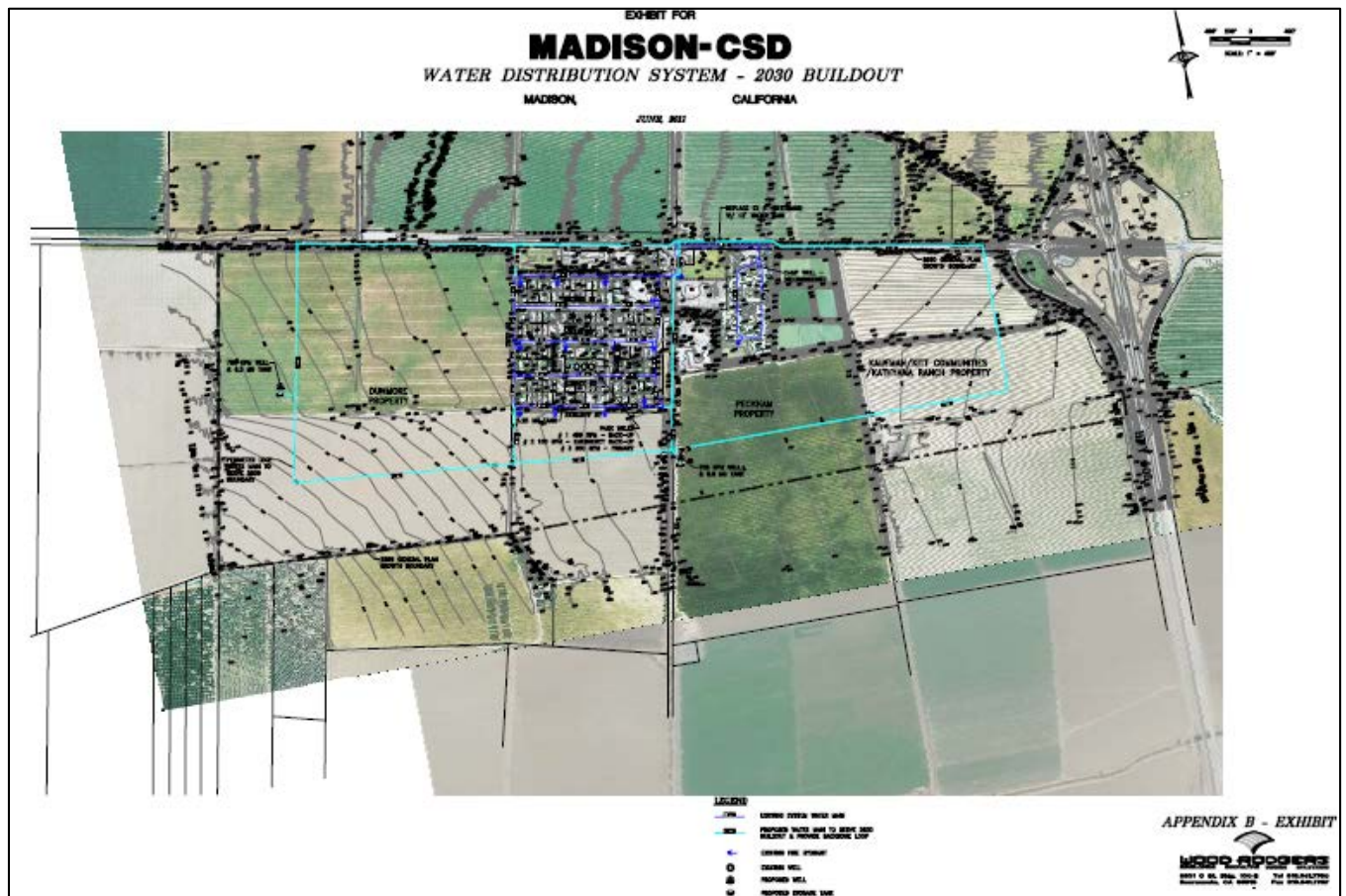
Future Water Supply and Distribution – 2030 Expected Growth

The 2030 growth area build-out envisioned in the General Plan expands the developed area of Madison from 94 acres to approximately 500 acres (an increase in service area of approximately 4.3 times). This increase will require a significant increase in the size and reliability of the current water distribution and supply system. Average day demand for the existing condition based on land use is calculated as 173 gpm and is expected to increase to 1,210 gpm under 2030 build-out conditions. The 2012 Wood Rogers Facility Master Plan recommends the following future improvements:

- Additional 12-inch water main loop through the community with cross connection at CR 89
- Two (2) additional community water wells (750 gpm each)
- Replacement of existing Well 1 (new 1,100 gpm well)
- New 0.25M gallon water storage tank for adequate fire flow pressure
- Two (2) new 0.5M gallon storage tanks (one at each new well)

The following schematic shows the existing and proposed 2030 water system build-out.

Figure 3. Existing and Proposed 2030 Madison CSD Water System

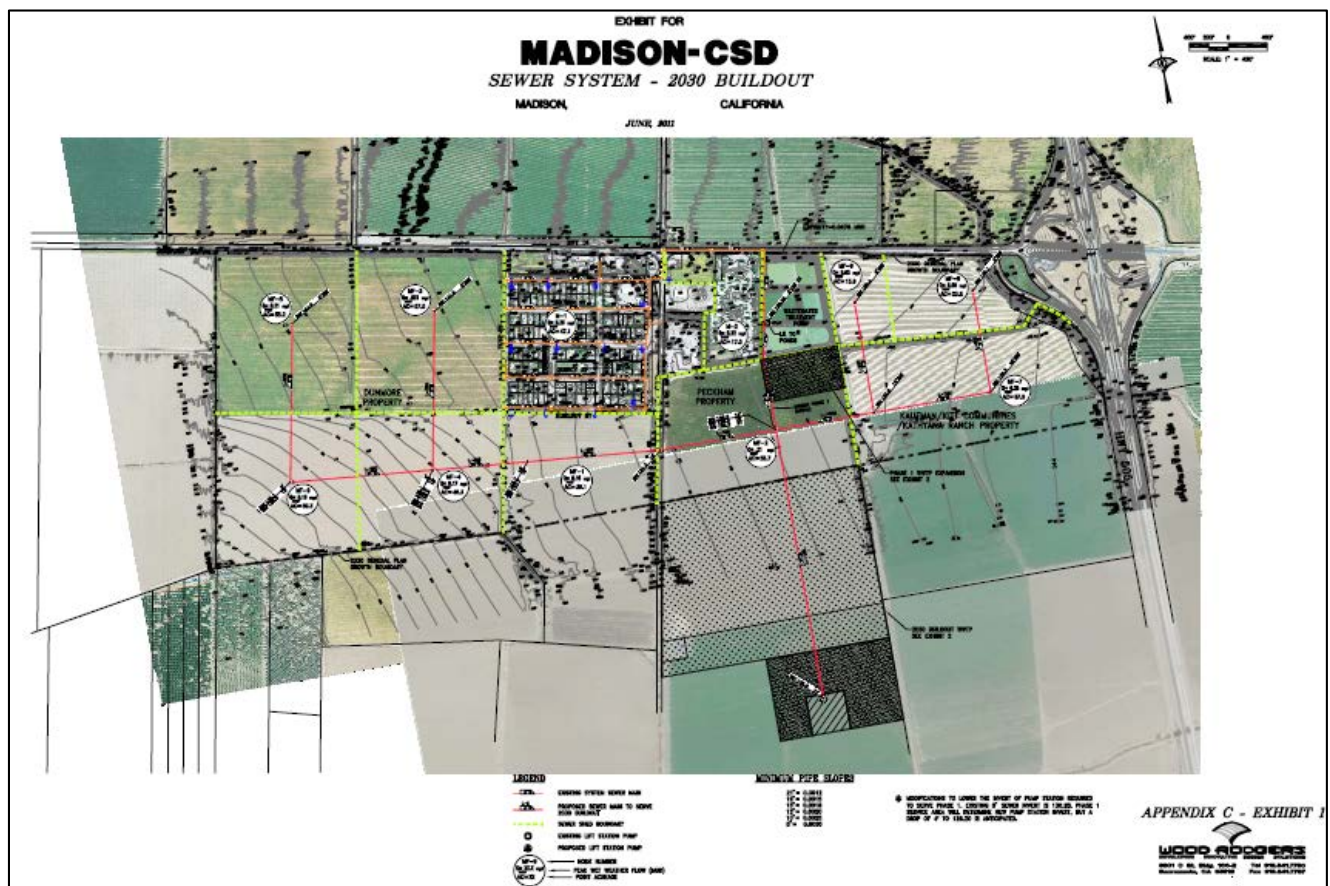


Future Wastewater Collection and Treatment – 2030 Expected Growth

Similar to the water system, the growth area for 2030 build-out will require a significant expansion of Madison’s wastewater collection and treatment system. Based on the proposed General Plan land uses, the peak sewer flow generation is expected to increase from the existing condition flow, estimated at 0.50 MGD, to a projected 2030 build-out flow of 3.69 MGD – an approximate 7-fold increase. The collection system required to serve future build-out areas is depicted in the Figure 4, below. The treatment capacity for Madison must be increased from the existing inflow capacity of 70,000 gpd to an inflow capacity of 474,000 gpd to meet projected 2030 build-out development needs. The 2012 Wood Rodgers Facilities Master Plan recommends the following future improvements:

- New gravity collector trunks system-wide
- New parallel collector sewers (~2,500 linear feet)
- Replace facultative ponds with new aerated pond area (~25 acres total)
- Create new irrigated crop treatment area (~90 acres) to spread treated wastewater

Figure 4. Existing and Proposed 2030 Madison CSD Build-out



Recommended Long-Term Improvements

Water System Improvements

Transmission Main Loop	Est. Cost: \$ 4,160,000
New Water Supply Well(s)	Est. Cost: \$ 1,560,000
Replacement of Well 1	Est. Cost: \$ 1,140,000
Water Storage for Fire Flow (0.25MG tank)	Est. Cost: \$ 1,300,000
Water Storage for Demand (two 0.5MG tanks)	Est. Cost: \$ 1,300,000
Total Recommended Long-Term Water Improvements	\$ 9,460,000

Wastewater System Improvements

Land Acquisition (~115 acres)	Est. Cost: \$ 730,000
New Aerated Treatment Pond (~50 acre-feet capacity)	Est. Cost: \$ 510,000
New Facultative Pond (~180 acre-feet capacity)	Est. Cost: \$ 1,720,000
New Crop Treatment System (90 acres)	Est. Cost: \$ 640,000
New Gravity Collector Trunks	Est. Cost: \$ 3,620,000
New Parallel Collector Sewers	Est. Cost: \$ 570,000
Total Recommended Long-Term Wastewater Improvements	\$ 7,790,000

Cumulative Recommended Long-Term Improvements	\$17,250,000
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Appendix C - Master Project List (by goal area)

MASTER PROJECT LIST
by Strategic Plan Goal

Goal Area	Community	Project Type	Project Description	Lead Agency	Potential Partners	Cost	Notes
Flourishing Agriculture	Capay Valley	Housing	Reduce regulatory hurdles for agricultural housing on agriculturally zoned properties	Yolo County, Community Services	Yolo County Farm Bureau	\$ -	Will be studied in 2021 zoning code update
Flourishing Agriculture	Capay Valley	Housing	Keep migrant housing centers open year-round to ensure adequate labor supply	Yolo County Housing Authority	USDA	\$ -	
Flourishing Agriculture	Capay Valley	Workforce	Work with local community colleges to develop a farm apprenticeship and training program on local farms	Yolo County HHSA	Woodland Community College Yolo County HHSA Yolo County Farm Bureau for Land Based Learning Yolo Center	\$ -	
Flourishing Agriculture	Capay Valley	Production	Develop workshops and capacity to help with transitions between generations and to connect beginners to retiring farmers	Center for Land Based Learning	Yolo County Farm Bureau CA Farm Bureau CDFA	\$ -	
Flourishing Agriculture	Capay Valley	Economy	Increase number and capacity of ag processing facilities	Yolo County - Strategic Plan Flourishing Ag/ Community Services	Yolo County Farm Bureau	\$ -	Will be studied in 2021 zoning code update
Flourishing Agriculture	Clarksburg	Housing	Reduce regulatory hurdles for agricultural housing on agriculturally zoned properties	Yolo County, Community Services		\$ -	Will be studied in 2021 zoning code update
Flourishing Agriculture	Esparto	Housing	Adequate affordable housing needed to reduce competition between farm workers and casino employees	Yolo County Housing Authority	USDA	\$ -	
Flourishing Agriculture	Knights Landing	Housing	Adequate affordable housing needed	Yolo County Housing Authority		\$ -	
Flourishing Agriculture	Madison	Housing	Adequate (non-farm labor) affordable housing needed	Yolo County Housing Authority		\$ -	
Flourishing Agriculture	Madison	Housing	Keep migrant housing centers open year-round to ensure adequate labor supply	Yolo County Housing Authority	USDA	\$ -	Federal advocacy required
Flourishing Agriculture	Madison Migrant Camp	Housing	Address labor shortages/affordable housing shortage by keeping the Madison Migrant Center open year round	Yolo County Housing Authority	USDA	\$ -	Federal advocacy required
Robust Economy	Capay Valley	Tourism	Installation of way-finding signage throughout the Capay Valley region	Capay Valley Vision	Yolo County Park / CSD	\$60,000	
Robust Economy	Capay Valley	Tourism	Agricultural tourism emphasis on environmental beauty and uniqueness, connect people to the place, update maps, and consider an agriculture district overlay	Capay Valley Vision	Visit Yolo	\$ -	
Robust Economy	Capay Valley	Tourism	Install public restrooms in Guinda for rafters/hikers/cyclists	CAO	Capay Valley Vision Visit Yolo, Yolo County Parks	\$200,000	not including acquisition
Robust Economy	Capay Valley	Economy	Extend broadband service to Capay Valley	Yolo County ITS Dept.		\$ -	
Robust Economy	Capay Valley	Utilities	Conduct assessment of necessary infrastructure and essential services needed to make Valley attractive to new businesses	Yolo County	Capay Valley Vision Visit Yolo	\$150,000	
Robust Economy	Capay Valley	Utilities	Conduct Guinda wastewater treatment facility feasibility study; public utilities needed to attract commercial businesses	Yolo County		\$70,000	
Robust Economy	Capay Valley	Economy	Streamline County permitting processes	Yolo County, Community Services	Community groups, Chambers	\$ -	Will be studied in 2021 zoning code update
Robust Economy	Capay Valley	Economy	Purchase Burger Barn property	New Seasons CDC		\$ -	
Robust Economy	Capay Valley	Economy	Repairs to Fullerton Building and recruitment of industrial use for site	New Seasons CDC		\$ -	
Robust Economy	Capay Valley	Economy	Creation of sustainable community fund for economic development and micro-loans for new businesses	New Seasons CDC	Yocha Dehe Wintun Nation, USDA, SBA, regional financial institutions, CAO Econ. Development	\$ -	
Robust Economy	Clarksburg	Economy	Connect Clarksburg area to high-speed broadband	Yolo County, ITS	CENIC; Yolo ITD, Yolo Library	\$1,000,000	In planning stages (Yolo IT, Yolo Library)
Robust Economy	Clarksburg	Tourism	Install public dock/marina on Sacramento River	Yolo County Parks	CA State Parks, State Lands Commission, ACOE	\$3,000,000	\$150,000 for feasibility study
Robust Economy	Clarksburg	Flood	Bring levees up to current Army Corps standards	Reclamation Districts	State DWR, ACOE	\$187,000,000	
Robust Economy	Clarksburg	Flood	Reduce cost and burdens of FEMA regulations and flood insurance within agricultural zones	Yolo County, Community Services	FEMA, Yolo OES, FloodSAFE Yolo 2.0	\$100,000	flood elevation mapping for basin; working on CRS improvements county-wide through SP and through FS2.0

MASTER PROJECT LIST
by Strategic Plan Goal

Goal Area	Community	Project Type	Project Description	Lead Agency	Potential Partners	Cost	Notes
Robust Economy	Esparto	Economy	Restore and revitalize downtown businesses (Yolo Ave)	New Seasons CDC	Redevelopment funding? USDA	\$ -	
Robust Economy	Esparto	Tourism	Encourage agricultural and recreational tourism	Esparto Chamber	Capay Valley Vision Visit Yolo	\$ -	
Robust Economy	Esparto	Economy	Expand Library's Wi-Fi to cover businesses on the length of Yolo Ave	Yolo County Library	Capay Valley Vision	\$100,000	
Robust Economy	Esparto	Economy	Façade work on Derby Building	New Seasons CDC	Redevelopment funding? USDA	\$ -	
Robust Economy	Knights Landing	Economy	100-year flood protection needed	CSA-6	KLRCDD/RD 108 State DWR, ACOE	\$90,000,000	Phase 2 Implementation funding secured (2020); Phase 3 would construct cross-levee and provide 100-year flood protection (Est. 2023)
Robust Economy	Madison	Economy	100-year flood protection needed	Yolo County	YCFCWCD	\$ -	\$350K funding from CalOES for Madison flood project development
Safe Communities	Capay Valley	Disaster Preparedness	Additional roads into Capay Valley for adequate residential evacuation	?	Yolo Office of Emergency Services	\$ -	State legislation FEMA Pre-Disaster Mitigation FEMA Multi-Hazard Mitigation
Safe Communities	Capay Valley	Transportation	Replace CR 40 bridge	Yolo County, Community Services	Yolo Office of Emergency Services CalTrans	\$3.5M	
Safe Communities	Capay Valley	Transportation	Install Park & Ride lots at key locations for casino patrons	CalTrans	Yolo County, Community Services Yocha Dehe Wintun Nation Yolo County Transportation Dist. SACOG (GHG reduction)	\$ -	CalTrans "Transit Technical Planning" grant (for rural communities), and "Community Based Transportation Planning" grant SACOG
Safe Communities	Capay Valley	Utilities	Install a municipal well and hook ups for residents of Guinda & Rumsey	New CSD?		\$1M	each, SWRCB
Safe Communities	Capay Valley	Utilities	Improve cell phone reception in the Valley	?	Yolo Office of Emergency Services	\$ -	
Safe Communities	Capay Valley	Public Safety	Provide AED's at community buildings, such as community halls	Yolo County	Fire Districts AMR YECA	\$2,500 each	
Safe Communities	Capay Valley	Public Safety	Improve community security through better street lighting	New Lighting Dist?	Yolo County, Community Services	\$ -	
Safe Communities	Capay Valley	Public Safety	Install marquee signs in front of fire stations to improve safety messaging	Fire Districts	Yolo Office of Emergency Services	\$5,000 - \$20,000	\$5,000 manual; \$20,000 electronic
Safe Communities	Capay Valley	Public Safety	Create Capital Improvement Plan's for fire districts	Yolo County	CAO & Fire Districts CA Special Dist Association	\$ -	In progress
Safe Communities	Clarksburg	Transportation	<ul style="list-style-type: none"> • Realign and install safety improvements on Jefferson Blvd • Install additional guardrails on South River Road • Install crosswalks on Clarksburg Rd and School St • Improve street lighting, install fog lights, and widen key intersections 	Yolo County, Community Services	CalTrans SACOG	\$100,000	feasibility study
Safe Communities	Clarksburg	Transportation	Ensure trees and shrubs do not inhibit traffic visibility	Yolo County, Community Services	Landowners	\$10,000	per year
Safe Communities	Clarksburg	Public Safety	Improve law enforcement response time	Yolo County Sheriff		\$ -	
Safe Communities	Davis Migrant Camp	Public Safety	Create hotline for migrant center residents to report crime, housing issues, transportation help, connection to services	Yolo County Sheriff	2-1-1, Yolo HHS, Yolo County Housing Authority	\$ -	
Safe Communities	Davis Migrant Camp	Public Safety	Educate residents on law enforcement jurisdiction. Residents are confused as to whom to report crime to	Yolo County Sheriff		\$ -	Staff time
Safe Communities	Dunnigan	Transportation	Improve street lighting (could be folded into bike route study, above)	New Lighting Dist?		\$ -	
Safe Communities	Dunnigan	Public Safety	Improve law enforcement response time	Yolo County Sheriff		\$ -	
Safe Communities	Esparto	Transportation	<ul style="list-style-type: none"> • Install multi-use path around/throughout town to link school routes and provide recreation • Install sidewalks throughout the community • Replace Yolo Ave and Fremont St bridges with ones that can withstand 100-year flood events 	Yolo County, Community Services	Esparto CSD, CalTrans, SACOG	\$50,000	feasibility study
Safe Communities	Esparto	Public Safety	Full-time paramedic at Esparto Fire Dist.	Esparto Fire Dist		\$100,000	per year
Safe Communities	Esparto	Public Safety	Back-up ambulance needed in Esparto		AMR, Esparto Fire Dist.	\$ -	
Safe Communities	Esparto	Public Safety	Improve law enforcement response time	Yolo County Sheriff		\$ -	
Safe Communities	Esparto	Public Safety	Improved drainage, lighting, and sidewalks	CalTrans	Esparto CSD	\$ -	Components addressed in CalTrans Esparto Traffic Calming Project

MASTER PROJECT LIST
by Strategic Plan Goal

Goal Area	Community	Project Type	Project Description	Lead Agency	Potential Partners	Cost	Notes
Safe Communities	Knights Landing	Transportation	Improve pedestrian safety near Sci-Tech Academy	Yolo County, Community Services	CalTrans SACOG	\$ -	HWY 113 is state route
Safe Communities	Knights Landing	Transportation	Reduce localized flooding by constructing new drainage detention basin (Drainage study in progress)	KLCSO	Yolo County, Community Services	\$45,000	Funded - SCFRR grant
Safe Communities	Knights Landing	Public Safety	Resident deputy for Knights Landing	Yolo County Sheriff		\$200,000	
Safe Communities	Knights Landing	Public Safety	Improvements/upgrades to Fire Station	Knights Landing Fire Dist.		\$40,000	
Safe Communities	Knights Landing	Public Safety	Levee repairs – Sac River	CSA-6	State DWR, ACOE	\$12,000,000	Funded - SCFRR grant
Safe Communities	Knights Landing	Public Safety	Levee repairs – Knights Landing Ridge Cut	CSA-6	KLRCDD/RD 108 State DWR, ACOE	\$16,000,000	Funded - SCFRR grant
Safe Communities	Knights Landing	Public Safety	New cross levee to provide 100-year flood protection	CSA-6	KLRCDD/RD 108 State DWR, ACOE	\$33,000,000	potentially 2023 - Phase 3 SCFRR?
Safe Communities	Madison	Public Safety	Replace Madison Fire Station	Madison Fire Dist.	Yolo County	\$1,300,000	
Safe Communities	Madison	Public Safety	22KV Back Up generater for Madison Fire Station	Madison Fire Dist.	Yolo County, Office of Emergency Services	\$50,000	In process
Safe Communities	Madison	Public Safety	154 KV Back Up generator for Madison CSD to power drinking water and wastewater system during power outages	Madison CSD	Yolo County, Office of Emergency Services	\$100,000	Completed!
Safe Communities	Madison	Public Safety	Implement flood risk reduction projects to divert flood water from Madison	FloodSAFE Yolo 2.0	Yolo County, Community Services YFCWCD MERCESA CSD Madison	\$ -	Projects underway, costs being developed; CalOES grants awarded totalling \$350,000
Safe Communities	Madison Migrant Camp	Transportation	Install bus stop at the migrant center, it is dangerous for residents to walk along HWY 16	Yolo County Trans. Dist.	Yolo County, USDA, Yolo County Housing Authority, Yolo County Community Services	\$350,000	
Safe Communities	Madison Migrant Camp	Public Safety	Create hotline for migrant center residents to report crime, housing issues, transportation help, connection to services	Yolo County Sheriff	2-1-1, Yolo HHS, Yolo County Housing Authority	\$ -	
Safe Communities	Madison Migrant Camp	Public Safety	Educate residents on law enforcement jurisdiction. Residents are confused as to whom to report crime to	Yolo County Sheriff		\$ -	Staff time
Safe Communities	Yolo	Public Safety	Replace well and provide adequate water storage and treatment for community drinking water supply	Cacheville CSD	SWRCB	\$1,500,000	estimate
Safe Communities	Yolo	Public Safety	Implement flood risk reduction projects to reduce flood risk to Yolo (Cache Creek Transitory Flood Storage study)	State DWR	USACE	\$ -	DWR study underway
Sustainable Environment	Capay Valley	Utilities	Install new septic system at Guinda Grange Hall	?		\$250,000	
Sustainable Environment	Capay Valley	Water	Ensure sustainable water supply through responsible groundwater management	Yolo Subbasin Groundwater Sustainability Agency	Yolo County	\$ -	In progress
Sustainable Environment	Capay Valley	Water	Development of small off-stream storage to slow water down and allow for greater infiltration; streamline permitting or no permit needed for small water storage projects of less than two acres.	Yolo Subbasin Groundwater Sustainability Agency	Yolo County Flood Control and Water Conservation District FloodSAFE Yolo	\$ -	
Sustainable Environment	Capay Valley	Utilities	Wastewater treatment system for Guinda	New CSD?	USDA, SWRCB	\$ -	
Sustainable Environment	Clarksburg	Waste	Develop and implement strategies to reduce illegal dumping of refuse and animals	Yolo County Sheriff	Yolo County, Community Services SPCA CalRecycle	\$ -	
Sustainable Environment	Dunnigan	Water	Reduce reliance on groundwater to ensure water supply reliability and address subsidence	Yolo Subbasin Groundwater Sustainability Agency	Yolo County, Dunnigan Water Dist.	\$ -	
Sustainable Environment	Esparto	Utilities	Long-term CIP needed for water and wastewater services	Esparto CSD	Yolo County, SWRCB	\$80,000	
Sustainable Environment	Esparto	Utilities	Install solar system at Tuli Mem Park	Yolo County, GSD	Esparto CSD, Yocha Dehe Wintun Nation, WYORCA	\$200,000	Grants may be available, ROI begins in avg of \$5.2 years (State of Ohio parks data)
Sustainable Environment	Esparto	Waste	Expand hours of Esparto Transfer Station to reduce illegal dumping	Yolo County, Community Services		\$150,000	per year, each additional day operating
Sustainable Environment	Knights Landing	Utilities	Long-term CIP needed for water and wastewater services	KLCSO	SWRCB, State DWR	\$80,000	

MASTER PROJECT LIST
by Strategic Plan Goal

Goal Area	Community	Project Type	Project Description	Lead Agency	Potential Partners	Cost	Notes
Sustainable Environment	Knights Landing	Waste	Provide recycling and green waste services	Yolo County, Community Services	Waste Management	\$ -	Trash collection provided by Waste Management
Sustainable Environment	Madison	Utilities	Repair/replace water system, add storage tank, meet fire flow requirements (Project cost: \$6.6M; assume 10% cost share)	Madison CSD	Yolo County SWRCB	\$6,600,000	Rural Initiaves funded (\$50,000) infrastructure assessment and project design in 2018
Sustainable Environment	Madison	Utilities	Investigate odor from waste water treatment ponds	Madison CSD	Yolo-Solano SQMD	\$ -	
Sustainable Environment	Madison Migrant Camp	Transportation	Residents must travel to Esparto for change for laundry machines. Installation of change machine or reloadable "credit" card would reduce VMT's and decrease pedestrians crossing HWY 16	Yolo County Housing Authority		\$4,000	per change machine, plus staff time to maintain
Thriving Residents	Capay Valley	Education	Provide year-round adult education for farmworker families to improve quality of life and retain high quality workforce	?	Woodland Communtiy College Yolo County HHSA Rise Esparto Unified School District	\$ -	
Thriving Residents	Capay Valley	Education	Create and fund early childhood education opportunities	?	First 5 Yolo Yolo County HHSA Rise Inc Yolo County Childrens Alliance	\$ -	
Thriving Residents	Capay Valley	Education	Create and fund afterschool programs for middle and high school kids	Esparto Unified School District	FFA/ 4H Yolo County Farm Bureau Rise Inc. Yolo County Parks	\$ -	
Thriving Residents	Capay Valley	Housing	Create affordable housing to reduce competition for rental housing between farmworkers and casino employees	Yolo County Housing Authority	Yocha Dehe Wintun Nation	\$ -	CDBG, USDA
Thriving Residents	Capay Valley	Health Equity	Incentivize recruitment/construction of a grocery store	CAO Econ. Development	Yocha Dehe Wintun Nation Visit Yolo	\$ -	
Thriving Residents	Capay Valley	Housing	Grant/Loan programs for owner occupied rehab of homes in low/middle income areas	Yolo County Housing Authority	CDBG	\$ -	
Thriving Residents	Capay Valley	Health Equity	Create new park on/at Wyatt property	Yolo County Parks, Esparto CSD		\$ -	
Thriving Residents	Clarksburg	Health Equity	Establish bicycle routes to/through the community, possibly using old railroad right-of-way (feasibility study)	Yolo County	SACOG Visit Yolo	\$150,000	fesibility study
Thriving Residents	Clarksburg	Health Equity	New outdoor recreation facility	Yolo County Parks		\$8,500,000	
Thriving Residents	Clarksburg	Youth Services	Create after school programs for youth, including education about trades and agriculture	Yolo County HHSA/Library	River Delta School District	\$75,000	per program, per year
Thriving Residents	Clarksburg	Healthy Aging	Build safe and affordable senior housing	Yolo County HHSA	Yolo County Housing Authority	\$275,000	per unit (CBRE, 2018)
Thriving Residents	Clarksburg	Community Identity	Offer English-to-Spanish and Spanish-to-English classes to facilitate community communication	Yolo County HHSA	River Delta School District	\$75,000	per program, per year
Thriving Residents	Clarksburg	Community Identity	Restore historic 1883 Clarksburg school house as a historical building and museum (Delta Conservancy Prop 68)	Friends of the Clarksburg Schoolhouse	Delta Conservancy	\$1,500,000	
Thriving Residents	Davis Migrant Camp	Health Equity	Install gym/recreation space with exercise bikes and weight machines	Yolo County Housing Authority	USDA	\$ -	
Thriving Residents	Davis Migrant Camp	Transportation	Install bus stop at migrant center to allow non-drivers to get to medical appointments and grocery shopping	Yolo County Trans. Dist.	USDA; Yolo County Housing Authority	\$300,000	
Thriving Residents	Davis Migrant Camp	Health Equity	Food Bank deliveries generally contain only canned goods. With no transportation it is difficult to get fresh foods and vegetables. Would like access to fresh foods.	Yolo Food Bank	USDA; Yolo County Housing Authority	\$ -	
Thriving Residents	Davis Migrant Camp	Education	Provide computers, printer, and Wi-Fi at the migrant center	?	Yolo County Library, Yolo HHSA, Yolo County Housing Authority	\$50,000	
Thriving Residents	Dunnigan	Health Equity	Establish bicycle routes to/through the community, possibly by replacing culverts with underground drainage	Yolo County, Community Services	CalTrans SACOG	\$25,000	feasibility study
Thriving Residents	Dunnigan	Health Equity	Projects to be developed by Rural Health Coordinator	Yolo County HHSA		\$ -	
Thriving Residents	Esparto	Health Equity	Expand availability of medical and dental services	Yolo County HHSA		\$ -	In progress
Thriving Residents	Esparto	Health Equity	Construct new grocery store that provides fresh foods	?	Esparto Chamber	\$ -	
Thriving Residents	Esparto	Health Equity	Projects to be developed by Rural Health Coordinator	Yolo County HHSA		\$ -	Staff time
Thriving Residents	Esparto	Health Equity	Install playing field lights and shade structures at Tuli Mem Park	Yolo County Parks	Yocha Dehe Wintun Nation, Esparto CSD	\$200,000	
Thriving Residents	Esparto	Education	Keep Esparto Library open full time, year round (add Sundays)	Yolo County Library	Yocha Dehe Wintun Nation	\$10,000	per year, staff time

MASTER PROJECT LIST
by Strategic Plan Goal

Goal Area	Community	Project Type	Project Description	Lead Agency	Potential Partners	Cost	Notes
Thriving Residents	Esparto	Community Identity	Construct new community center	Esparto CSD	Yolo County Parks, WYORCA	\$8,000,000	
Thriving Residents	Esparto	Community Identity	Expand the "Esparto Allyway Improvement" project	Yolo County, Community Services	New Seasons CDC	\$ -	
Thriving Residents	Knights Landing	Health Equity	Community park with sports fields	CAO, Yolo County Parks	KLCSD, Woodland Joint Unified School Dist., Yocha Dehe Wintun Nation	\$3.7M	Potential Prop 68 grant (SPP Round 4)
Thriving Residents	Knights Landing	Health Equity	Expand availability of medical and dental services	Yolo County HHSA	UC Davis	\$ -	
Thriving Residents	Knights Landing	Health Equity	Construct new grocery store and community garden that provide fresh foods			\$ -	Community garden underway by Methodist Church
Thriving Residents	Knights Landing	Health Equity	Promenade and trails along Sacramento River	Yolo County Parks	CSA-6, State DWR	\$ -	\$250,000 per mile for dirt / \$1M per mile for paved
Thriving Residents	Knights Landing	Health Equity	System-wide upgrades and repairs to community drinking water system	KLCSD	Yolo County, SWRCB, State DWR	\$2,600,000	SCFRR grant pending
Thriving Residents	Knights Landing	Community Identity	Establish youth leadership program	Yolo County HHSA (Friday night live?)	Woodland Joint Unified School Dist.	\$25,000	per year
Thriving Residents	Madison	Health Equity	Benches and shade structures at soccer fields	Madison CSD	Yolo County	\$30,000	
Thriving Residents	Madison	Health Equity	Increase medical and dental services		Yolo County HHSA	\$ -	
Thriving Residents	Madison	Health Equity	Projects to be developed by Rural Health Coordinator	Yolo County HHSA			
Thriving Residents	Madison	Transportation	Relocate Yolo Bus shelter closer to migrant housing	Yolo County Trans. Dist.	Yolo County	\$300,000	
Thriving Residents	Madison Migrant Camp	Health Equity	Install gym/recreation space with exercise bikes and weight machines	Yolo County Housing Authority	USDA, Yolo HHSA	\$20,000	
Thriving Residents	Madison Migrant Camp	Health Equity	Facilitate Food Bank deliveries to Madison Migrant Camp; food bank does not currently serve this population	Yolo Food Bank	Yolo County Housing Authority, Yolo HHSA	\$ -	Staff time
Thriving Residents	Madison Migrant Camp	Health Equity	Freezers are undersized for number of residents per unit. Residents cannot take advantage of bulk purchases or large batch cooking of healthy meals.	Yolo County Housing Authority		\$500	per unit
Thriving Residents	Madison Migrant Camp	Education	Provide computers, printer, and Wi-Fi at the migrant center	Yolo County Housing Authority	Yolo County Library, Yolo HHSA, Yolo County Housing Authority	\$50,000	
Thriving Residents	Yolo	Health Equity	Basketball court and associated small park infrastructure	Casheville CSD	Yolo County Parks, Yolo County Library	\$20,000	Lead agency depends on location
Thriving Residents	Yolo	Utilities	Infrastructure assessment and CIP for Cacheville CSD	Casheville CSD	SWRCB	\$60,000	
Thriving Residents	Yolo	Education	Replace Yolo Branch Library	Yolo County Library	Friends of the Yolo Library, CDBG	\$4,000,000	In process

Appendix D - Master Project List (by rural community)

MASTER PROJECT LIST
by Rural Community

Goal Area	Community	Project Type	Project Description	Lead Agency	Potential Partners	Cost	Notes
Flourishing Agriculture	Capay Valley	Housing	Reduce regulatory hurdles for agricultural housing on agriculturally zoned properties	Yolo County, Community Services	Yolo County Farm Bureau	\$ -	Will be studied in 2021 zoning code update
Flourishing Agriculture	Capay Valley	Housing	Keep migrant housing centers open year-round to ensure adequate labor supply	Yolo County Housing Authority	USDA	\$ -	
Flourishing Agriculture	Capay Valley	Workforce	Work with local community colleges to develop a farm apprenticeship and training program on local farms	Yolo County HHSA	Woodland Community College Yolo County HHSA Yolo County Farm Bureau Yolo Center for Land Based Learning	\$ -	
Flourishing Agriculture	Capay Valley	Production	Develop workshops and capacity to help with transitions between generations and to connect beginners to retiring farmers	Center for Land Based Learning	Yolo County Farm Bureau CA Farm Bureau CDFA	\$ -	
Flourishing Agriculture	Capay Valley	Economy	Increase number and capacity of ag processing facilities	Yolo County - Strategic Plan Flourishing Ag/ Community Services	Yolo County Farm Bureau	\$ -	Will be studied in 2021 zoning code update
Robust Economy	Capay Valley	Tourism	Installation of way-finding signage throughout the Capay Valley region	Capay Valley Vision	Yolo County Park / CSD	\$60,000	
Robust Economy	Capay Valley	Tourism	Agricultural tourism emphasis on environmental beauty and uniqueness, connect people to the place, update maps, and consider an agriculture district overlay	Capay Valley Vision	Visit Yolo	\$ -	
Robust Economy	Capay Valley	Tourism	Install public restrooms in Guinda for rafters/hikers/cyclists	CAO	Capay Valley Vision Visit Yolo, Yolo County Parks	\$200,000	not including acquisition
Robust Economy	Capay Valley	Economy	Extend broadband service to Capay Valley	Yolo County ITS Dept.		\$ -	
Robust Economy	Capay Valley	Utilities	Conduct assessment of necessary infrastructure and essential services needed to make Valley attractive to new businesses	Yolo County	Capay Valley Vision Visit Yolo	\$150,000	
Robust Economy	Capay Valley	Utilities	Conduct Guinda wastewater treatment facility feasibility study; public utilities needed to attract commercial businesses	Yolo County		\$70,000	
Robust Economy	Capay Valley	Economy	Streamline County permitting processes	Yolo County, Community Services	Community groups, Chambers	\$ -	Will be studied in 2021 zoning code update
Robust Economy	Capay Valley	Economy	Purchase Burger Barn property	New Seasons CDC		\$ -	
Robust Economy	Capay Valley	Economy	Repairs to Fullerton Building and recruitment of industrial use for site	New Seasons CDC		\$ -	
Robust Economy	Capay Valley	Economy	Creation of sustainable community fund for economic development and micro- loans for new businesses	New Seasons CDC	Yocha Dehe Wintun Nation, USDA, SBA, regional financial institutions, CAO Econ. Development	\$ -	
Safe Communities	Capay Valley	Disaster Preparedness	Additional roads into Capay Valley for adequate residential evacuation	?	Yolo Office of Emergency Services	\$ -	State legislation FEMA Pre-Disaster Mitigation FEMA Multi-Hazard Mitigation
Safe Communities	Capay Valley	Transportation	Replace CR 40 bridge	Yolo County, Community Services	Yolo Office of Emergency Services CalTrans	\$3.5M	
Safe Communities	Capay Valley	Transportation	Install Park & Ride lots at key locations for casino patrons	CalTrans	Yolo County, Community Services Yocha Dehe Wintun Nation Yolo County Transportation Dist. SACOG (GHG reduction)	\$ -	CalTrans "Transit Technical Planning" grant (for rural communities), and "Community Based Transportation Planning" grant SACOG
Safe Communities	Capay Valley	Utilities	Install a municipal well and hook ups for residents of Guinda & Rumsey	New CSD?		\$1M	each, SWRCB
Safe Communities	Capay Valley	Utilities	Improve cell phone reception in the Valley	?	Yolo Office of Emergency Services	\$ -	
Safe Communities	Capay Valley	Public Safety	Provide AED's at community buildings, such as community halls	Yolo County	Fire Districts AMR YECA	\$2,500 each	
Safe Communities	Capay Valley	Public Safety	Improve community security through better street lighting	New Lighting Dist?	Yolo County, Community Services	\$ -	

MASTER PROJECT LIST
by Rural Community

Goal Area	Community	Project Type	Project Description	Lead Agency	Potential Partners	Cost	Notes
Safe Communities	Capay Valley	Public Safety	Install marquee signs in front of fire stations to improve safety messaging	Fire Districts	Yolo Office of Emergency Services	\$5,000 - \$20,000	\$5,000 manual; \$20,000 electronic
Safe Communities	Capay Valley	Public Safety	Create Capital Improvement Plan's for fire districts	Yolo County	CAO & Fire Districts CA Special Dist Association	\$ -	In progress
Sustainable Environment	Capay Valley	Utilities	Install new septic system at Guinda Grange Hall	?		\$250,000	
Sustainable Environment	Capay Valley	Water	Ensure sustainable water supply through responsible groundwater management	Yolo Subbasin Groundwater Sustainability Agency	Yolo County	\$ -	In progress
Sustainable Environment	Capay Valley	Water	Development of small off-stream storage to slow water down and allow for greater infiltration; streamline permitting or no permit needed for small water storage projects of less than two acres.	Yolo Subbasin Groundwater Sustainability Agency	Yolo County Flood Control and Water Conservation District FloodSAFE Yolo	\$ -	
Sustainable Environment	Capay Valley	Utilities	Wastewater treatment system for Guinda	New CSD?	USDA, SWRCB	\$ -	
Thriving Residents	Capay Valley	Education	Provide year-round adult education for farmworker families to improve quality of life and retain high quality workforce	?	Woodland Community College Yolo County HHSA Inc. Esparto Unified School District	\$ -	
Thriving Residents	Capay Valley	Education	Create and fund early childhood education opportunities	?	First 5 Yolo Yolo County HHSA RISE Inc Yolo County Childrens Alliance	\$ -	
Thriving Residents	Capay Valley	Education	Create and fund afterschool programs for middle and high school kids	Esparto Unified School District	FFA/ 4H Yolo County Farm Bureau RISE Inc. Yolo County Parks	\$ -	
Thriving Residents	Capay Valley	Housing	Create affordable housing to reduce competition for rental housing between farmworkers and casino employees	Yolo County Housing Authority	Yocha Dehe Wintun Nation	\$ -	CDBG, USDA
Thriving Residents	Capay Valley	Health Equity	Incentivize recruitment/construction of a grocery store	CAO Econ. Development	Yocha Dehe Wintun Nation Visit Yolo	\$ -	
Thriving Residents	Capay Valley	Housing	Grant/Loan programs for owner occupied rehab of homes in low/middle income areas	Yolo County Housing Authority	CDBG	\$ -	
Thriving Residents	Capay Valley	Health Equity	Create new park on/at Wyatt property	Yolo County Parks, Esparto CSD		\$ -	
Flourishing Agriculture	Clarksburg	Housing	Reduce regulatory hurdles for agricultural housing on agriculturally zoned properties	Yolo County, Community Services		\$ -	Will be studied in 2021 zoning code update
Robust Economy	Clarksburg	Economy	Connect Clarksburg area to high-speed broadband	Yolo County, ITS	CENIC; Yolo ITD, Yolo Library	\$1,000,000	In planning stages (Yolo IT.Yolo Library)
Robust Economy	Clarksburg	Tourism	Install public dock/marina on Sacramento River	Yolo County Parks	CA State Parks, State Lands Commission, ACOE	\$3,000,000	\$150,000 for feasibility study
Robust Economy	Clarksburg	Flood	Bring levees up to current Army Corps standards	Reclamation Districts	State DWR, ACOE	\$187,000,000	
Robust Economy	Clarksburg	Flood	Reduce cost and burdens of FEMA regulations and flood insurance within agricultural zones	Yolo County, Community Services	FEMA, Yolo OES, FloodSAFE Yolo 2.0	\$100,000	flood elevation mapping for basin; working on CRS improvements county-wide through SP and through FS2.0
Safe Communities	Clarksburg	Transportation	<ul style="list-style-type: none"> • Realign and install safety improvements on Jefferson Blvd • Install additional guardrails on South River Road • Install crosswalks on Clarksburg Rd and School St • Improve street lighting, install fog lights, and widen key intersections 	Yolo County, Community Services	CalTrans SACOG	\$100,000	fesibility study
Safe Communities	Clarksburg	Transportation	Ensure trees and shrubs do not inhibit traffic visibility	Yolo County, Community Services	Landowners	\$10,000	per year
Safe Communities	Clarksburg	Public Safety	Improve law enforcement response time	Yolo County Sheriff		\$ -	
Sustainable Environment	Clarksburg	Waste	Develop and implement strategies to reduce illegal dumping of refuse and animals	Yolo County Sheriff	Yolo County, Community Services SPCA CalRecycle	\$ -	
Thriving Residents	Clarksburg	Health Equity	Establish bicycle routes to/through the community, possibly using old railroad right-of-way (feasibility study)	Yolo County	SACOG Visit Yolo	\$150,000	fesibility study
Thriving Residents	Clarksburg	Health Equity	New outdoor recreation facility	Yolo County Parks		\$8,500,000	
Thriving Residents	Clarksburg	Youth Services	Create after school programs for youth, including education about trades and agriculture	Yolo County HHSA/Library	River Delta School District	\$75,000	per program, per year

MASTER PROJECT LIST
by Rural Community

Goal Area	Community	Project Type	Project Description	Lead Agency	Potential Partners	Cost	Notes
Thriving Residents	Clarksburg	Healthy Aging	Build safe and affordable senior housing	Yolo County HHSA	Yolo County Housing Authority	\$275,000	per unit (CBRE, 2018)
Thriving Residents	Clarksburg	Community Identity	Offer English-to-Spanish and Spanish-to-English classes to facilitate community communication	Yolo County HHSA	River Delta School District	\$75,000	per program, per year
Thriving Residents	Clarksburg	Community Identity	Restore historic 1883 Clarksburg school house as a historical building and museum (Delta Conservancy Prop 68)	Friends of the Clarksburg Schoolhouse	Delta Conservancy	\$1,500,000	
Safe Communities	Davis Migrant Camp	Public Safety	Create hotline for migrant center residents to report crime, housing issues, transportation help, connection to services	Yolo County Sheriff	2-1-1, Yolo HHSA, Yolo County Housing Authority	\$ -	
Safe Communities	Davis Migrant Camp	Public Safety	Educate residents on law enforcement jurisdiction. Residents are confused as to whom to report crime to	Yolo County Sheriff		\$ -	Staff time
Thriving Residents	Davis Migrant Camp	Health Equity	Install gym/recreation space with exercise bikes and weight machines	Yolo County Housing Authority	USDA	\$ -	
Thriving Residents	Davis Migrant Camp	Transportation	Install bus stop at migrant center to allow non-drivers to get to medical appointments and grocery shopping	Yolo County Trans. Dist.	USDA; Yolo County Housing Authority	\$300,000	
Thriving Residents	Davis Migrant Camp	Health Equity	Food Bank deliveries generally contain only canned goods. With no transportation it is difficult to get fresh foods and vegetables. Would like access to fresh foods.	Yolo Food Bank	USDA; Yolo County Housing Authority	\$ -	
Thriving Residents	Davis Migrant Camp	Education	Provide computers, printer, and Wi-Fi at the migrant center	?	Yolo County Library, Yolo HHSA, Yolo County Housing Authority	\$50,000	
Safe Communities	Dunnigan	Transportation	Improve street lighting (could be folded into bike route study, above)	New Lighting Dist?		\$ -	
Safe Communities	Dunnigan	Public Safety	Improve law enforcement response time	Yolo County Sheriff		\$ -	
Sustainable Environment	Dunnigan	Water	Reduce reliance on groundwater to ensure water supply reliability and address subsidence	Yolo Subbasin Groundwater Sustainability Agency	Yolo County, Dunnigan Water Dist.	\$ -	
Thriving Residents	Dunnigan	Health Equity	Establish bicycle routes to/through the community, possibly by replacing culverts with underground drainage	Yolo County, Community Services	CalTrans SACOG	\$25,000	feasibility study
Thriving Residents	Dunnigan	Health Equity	Projects to be developed by Rural Health Coordinator	Yolo County HHSA		\$ -	
Flourishing Agriculture	Esparto	Housing	Adequate affordable housing needed to reduce competition between farm workers and casino employees	Yolo County Housing Authority	USDA	\$ -	
Robust Economy	Esparto	Economy	Restore and revitalize downtown businesses (Yolo Ave)	New Seasons CDC	Redevelopment funding? USDA	\$ -	
Robust Economy	Esparto	Tourism	Encourage agricultural and recreational tourism	Esparto Chamber	Capay Valley Vision Visit Yolo	\$ -	
Robust Economy	Esparto	Economy	Expand Library's Wi-Fi to cover businesses on the length of Yolo Ave	Yolo County Library	Capay Valley Vision	\$100,000	
Robust Economy	Esparto	Economy	Facade work on Derby Building	New Seasons CDC	Redevelopment funding? USDA	\$ -	
Safe Communities	Esparto	Transportation	<ul style="list-style-type: none"> • Install multi-use path around/throughout town to link school routes and provide recreation • Install sidewalks throughout the community • Replace Yolo Ave and Fremont St bridges with ones that can withstand 100-year flood events 	Yolo County, Community Services	Esparto CSD, CalTrans, SACOG	\$50,000	feasibility study
Safe Communities	Esparto	Public Safety	Full-time pramedic at Esparto Fire Dist.	Esparto Fire Dist		\$100,000	per year
Safe Communities	Esparto	Public Safety	Back-up ambulance needed in Esparto		AMR, Esparto Fire Dist.	\$ -	
Safe Communities	Esparto	Public Safety	Improve law enforcement response time	Yolo County Sheriff		\$ -	
Safe Communities	Esparto	Public Safety	Improved drainage, lighting, and sidewalks	CalTrans	Esparto CSD	\$ -	Components addressed in CalTrans Esparto Traffic Calming Project
Sustainable Environment	Esparto	Utilities	Long-term CIP needed for water and wastewater services	Esparto CSD	Yolo County, SWRCB	\$80,000	
Sustainable Environment	Esparto	Utilities	Install solar system at Tuli Mem Park	Yolo County, GSD	Esparto CSD, Yocha Dehe Wintun Nation, WYORCA	\$200,000	Grants may be available, ROI begins in avg of \$5.2 years (State of Ohio parks data)
Sustainable Environment	Esparto	Waste	Expand hours of Esparto Transfer Station to reduce illegal dumping	Yolo County, Community Services		\$150,000	per year, each additional day operating
Thriving Residents	Esparto	Health Equity	Expand availability of medical and dental services	Yolo County HHSA		\$ -	In progress
Thriving Residents	Esparto	Health Equity	Construct new grocery store that provides fresh foods	?	Esparto Chamber	\$ -	
Thriving Residents	Esparto	Health Equity	Projects to be developed by Rural Health Coordinator	Yolo County HHSA		\$ -	Staff time
Thriving Residents	Esparto	Health Equity	Install playing field lights and shade structures at Tuli Mem Park	Yolo County Parks	Yocha Dehe Wintun Nation, Esparto CSD	\$200,000	
Thriving Residents	Esparto	Education	Keep Esparto Library open full time, year round (add Sundays)	Yolo County Library	Yocha Dehe Wintun Nation	\$10,000	per year, staff time
Thriving Residents	Esparto	Community Identity	Construct new community center	Esparto CSD	Yolo County Parks, WYORCA	\$8,000,000	

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Goal Area	Community	Project Type	Project Description	Lead Agency	Potential Partners	Cost	Notes
Thriving Residents	Esparto	Community Identity	Expand the "Esparto Allyway Improvement" project	Yolo County, Community Services	New Seasons CDC	\$ -	
Flourishing Agriculture	Knights Landing	Housing	Adequate affordable housing needed	Yolo County Housing Authority		\$ -	
Robust Economy	Knights Landing	Economy	100-year flood protection needed	CSA-6	KLRCDD/RD 108 State DWR, ACOE	\$90,000,000	Phase 2 Implementation funding secured (2020); Phase 3 would construct cross-levee and provide 100-year flood protection (Est. 2023)
Safe Communities	Knights Landing	Transportation	Improve pedestrian safety near Sci-Tech Academy	Yolo County, Community Services	CalTrans SACOG	\$ -	HWY 113 is state route
Safe Communities	Knights Landing	Transportation	Reduce localized flooding by constructing new drainage detention basin (Drainage study in progress)	KLCSO	Yolo County, Community Services	\$45,000	Funded - SCFRR grant
Safe Communities	Knights Landing	Public Safety	Resident deputy for Knights Landing	Yolo County Sheriff		\$200,000	
Safe Communities	Knights Landing	Public Safety	Improvements/upgrades to Fire Station	Knights Landing Fire Dist.		\$40,000	
Safe Communities	Knights Landing	Public Safety	Levee repairs – Sac River	CSA-6	State DWR, ACOE	\$12,000,000	Funded - SCFRR grant
Safe Communities	Knights Landing	Public Safety	Levee repairs – Knights Landing Ridge Cut	CSA-6	KLRCDD/RD 108 State DWR, ACOE	\$16,000,000	Funded - SCFRR grant
Safe Communities	Knights Landing	Public Safety	New cross levee to provide 100-year flood protection	CSA-6	KLRCDD/RD 108 State DWR, ACOE	\$33,000,000	potentially 2023 - Phase 3 SCFRR?
Sustainable Environment	Knights Landing	Utilities	Long-term CIP needed for water and wastewater services	KLCSO	SWRCB, State DWR	\$80,000	
Sustainable Environment	Knights Landing	Waste	Provide recycling and green waste services	Yolo County, Community Services	Waste Management	\$ -	Trash collection provided by Waste Management
Thriving Residents	Knights Landing	Health Equity	Community park with sports fields	CAO, Yolo County Parks	KLCSO, Woodland Joint Unified School Dist., Yocha Dehe Wintun Nation	\$3.7M	Potential Prop 68 grant (SPP Round 4)
Thriving Residents	Knights Landing	Health Equity	Expand availability of medical and dental services	Yolo County HHSA	UC Davis	\$ -	
Thriving Residents	Knights Landing	Health Equity	Construct new grocery store and community garden that provide fresh foods			\$ -	Community garden underway by Methodist Church
Thriving Residents	Knights Landing	Health Equity	Promenade and trails along Sacramento River	Yolo County Parks	CSA-6, State DWR	\$ -	\$250,000 per mile for dirt / \$1M per mile for paved
Thriving Residents	Knights Landing	Health Equity	System-wide upgrades and repairs to community drinking water system	KLCSO	Yolo County, SWRCB, State DWR	\$2,600,000	SCFRR grant pending
Thriving Residents	Knights Landing	Community Identity	Establish youth leadership program	Yolo County HHSA (Friday night live?)	Woodland Joint Unified School Dist.	\$25,000	per year
Flourishing Agriculture	Madison	Housing	Adequate (non-farm labor) affordable housing needed	Yolo County Housing Authority		\$ -	
Flourishing Agriculture	Madison	Housing	Keep migrant housing centers open year-round to ensure adequate labor supply	Yolo County Housing Authority	USDA	\$ -	Federal advocacy required
Robust Economy	Madison	Economy	100-year flood protection needed	Yolo County	YCFCWCD	\$ -	\$350K funding from CalOES for Madison flood project development
Safe Communities	Madison	Public Safety	Replace Madison Fire Station	Madison Fire Dist.	Yolo County	\$1,300,000	
Safe Communities	Madison	Public Safety	22KV Back Up generator for Madison Fire Station	Madison Fire Dist.	Yolo County, Office of Emergency Services	\$50,000	In process
Safe Communities	Madison	Public Safety	154 KV Back Up generator for Madison CSD to power drinking water and wastewater system during power outages	Madison CSD	Yolo County, Office of Emergency Services	\$100,000	Completed
Safe Communities	Madison	Public Safety	Implement flood risk reduction projects to divert flood water from Madison	FloodSAFE Yolo 2.0	Yolo County, Community Services YCFCWCD MERCESA CSD Madison	\$ -	Projects underway, costs being developed; CalOES grants awarded totalling \$350,000
Sustainable Environment	Madison	Utilities	Repair/replace water system, add storage tank, meet fire flow requirements (Project cost: \$6.6M; assume 10% cost share)	Madison CSD	Yolo County SWRCB	\$6,600,000	Rural Initiaves funded (\$50,000) infrastructure assessment and project design in 2018
Sustainable Environment	Madison	Utilities	Investigate odor from waste water treatment ponds	Madison CSD	Yolo-Solano SQMD	\$ -	
Thriving Residents	Madison	Health Equity	Benches and shade structures at soccer fields	Madison CSD	Yolo County	\$30,000	
Thriving Residents	Madison	Health Equity	Increase medical and dental services		Yolo County HHSA	\$ -	

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Thriving Residents	Madison	Health Equity	Projects to be developed by Rural Health Coordinator	Yolo County HHSA			
Thriving Residents	Madison	Transportation	Relocate Yolo Bus shelter closer to migrant housing	Yolo County Trans. Dist.	Yolo County	\$300,000	
Flourishing Agriculture	Madison Migrant Camp	Housing	Address labor shortages/affordable housing shortage by keeping the Madison Migrant Center open year round	Yolo County Housing Authority	USDA	\$ -	Federal advocacy required
Safe Communities	Madison Migrant Camp	Transportation	Install bus stop at the migrant center, it is dangerous for residents to walk along HWY 16	Yolo County Trans. Dist.	Yolo County, USDA, Yolo County Housing Authority, Yolo County Community Services	\$350,000	
Safe Communities	Madison Migrant Camp	Public Safety	Create hotline for migrant center residents to report crime, housing issues, transportation help, connection to services	Yolo County Sheriff	2-1-1, Yolo HHSA, Yolo County Housing Authority	\$ -	
Safe Communities	Madison Migrant Camp	Public Safety	Educate residents on law enforcement jurisdiction. Residents are confused as to whom to report crime to	Yolo County Sheriff		\$ -	Staff time
Sustainable Environment	Madison Migrant Camp	Transportation	Residents must travel to Esparto for change for laundry machines. Installation of change machine or reloadable "credit" card would reduce VMT's and decrease pedestrians crossing HWY 16	Yolo County Housing Authority		\$4,000	per change machine, plus staff time to maintain
Thriving Residents	Madison Migrant Camp	Health Equity	Install gym/recreation space with exercise bikes and weight machines	Yolo County Housing Authority	USDA, Yolo HHSA	\$20,000	
Thriving Residents	Madison Migrant Camp	Health Equity	Facilitate Food Bank deliveries to Madison Migrant Camp; food bank does not currently serve this population	Yolo Food Bank	Yolo County Housing Authority, Yolo HHSA	\$ -	Staff time
Thriving Residents	Madison Migrant Camp	Health Equity	Freezers are undersized for number of residents per unit. Residents cannot take advantage of bulk purchases or large batch cooking of healthy meals.	Yolo County Housing Authority		\$500	per unit
Thriving Residents	Madison Migrant Camp	Education	Provide computers, printer, and Wi-Fi at the migrant center	Yolo County Housing Authority	Yolo County Library, Yolo HHSA, Yolo County Housing Authority	\$50,000	
Safe Communities	Yolo	Public Safety	Replace well and provide adequate water storage and treatment for community drinking water supply	Cacheville CSD	SWRCB	\$1,500,000	estimate
Safe Communities	Yolo	Public Safety	Implement flood risk reduction projects to reduce flood risk to Yolo (Cache Creek Transitory Flood Storage study)	State DWR	USACE	\$ -	DWR study underway
Thriving Residents	Yolo	Health Equity	Basketball court and associated small park infrastructure	Casheville CSD	Yolo County Parks, Yolo County Library	\$20,000	Lead agency depends on location
Thriving Residents	Yolo	Utilities	Infrastructure assessment and CIP for Cacheville CSD	Casheville CSD	SWRCB	\$60,000	
Thriving Residents	Yolo	Education	Replace Yolo Branch Library	Yolo County Library	Friends of the Yolo Library, CDBG	\$4,000,000	In process