

Pursuant to Government Code Section 54953(e), members of the Resources & Infrastructure Standing Committee and staff will participate in this meeting via a teleconference. Members of the public can submit written comments to the Board Secretary at boardcomment@cambridcsd.org.



## RESOURCES & INFRASTRUCTURE COMMITTEE

REGULAR MEETING  
Monday, April 11, 2022 - 2:00 PM

### AGENDA

**Please click the link below to join the webinar:**

<https://us06web.zoom.us/j/81205070259?pwd=QklXQ2M2SEpLM0RrZVdFeWdBSU96QT09>

**Passcode: 487323**

**Or One tap mobile:**

US: +16699006833,,81205070259# or +13462487799,,81205070259#

**Or Telephone:**

Dial(for higher quality, dial a number based on your current location):

US: +1 669 900 6833 or +1 346 248 7799 or +1 253 215 8782 or +1 301 715 8592 or +1 312 626 6799 or +1 929 205 6099

**Webinar ID: 812 0507 0259**

International numbers available: <https://us06web.zoom.us/j/81205070259>

Copies of the staff reports or other documentation relating to each item of business referred to on the agenda are on file in the Office of the Board Secretary, available for public inspection during District business hours. The agenda and agenda packets are also available on the CCSD website at [www.cambridcsd.org](http://www.cambridcsd.org). Please call 805-927-6223 if you need any assistance. If requested, the agenda and supporting documents shall be made available in alternative formats to persons with a disability. The Committee Chairperson will answer any questions regarding the agenda.

- A. CALL TO ORDER
- B. ESTABLISH QUORUM
- C. CHAIRMAN'S REPORT
- D. AD HOC SUBCOMMITTEE REPORTS
- E. COMMITTEE MEMBER COMMUNICATIONS

Any Committee Member may make an announcement, report briefly on his or her activities, or ask a question for clarification.

**1. PUBLIC COMMENT**

Members of the public may now address the Committee on any item of interest within the jurisdiction of the Committee but not on its agenda today. Future agenda items can be suggested at this time. In compliance with the Brown Act, the Committee cannot discuss or act on items not on the agenda. Each speaker has up to three minutes.

**2. CONSENT AGENDA**

- A. Consideration to Approve the March 14, 2022 Regular Meeting Minutes

**3. REGULAR BUSINESS**

- A. Discussion and Consideration of Standardizing Methods of Prioritization for Updating CIP Lists, and the Definitions of Priority Criteria
- B. Discussion and Consideration of Forwarding the Completed CIP Ad Hoc Committee's Reports to the Board
- C. Review District CIP Recommendations from Staff Department Heads for FY 2022/2023 Budget

**4. FUTURE AGENDA ITEMS****5. ADJOURN**

**RESOURCES & INFRASTRUCTURE COMMITTEE**  
REGULAR MEETING  
Monday, March 14, 2022 - 2:00 PM  
**MINUTES**

**A. CALL TO ORDER**

Chairperson Dean called the meeting to order at 2:01 p.m.

**B. ESTABLISH QUORUM**

A quorum was established.

Committee members present via Zoom: Karen Dean, David Pierson, James Webb, Brad Fowles, Steve Siebuhr, and Michael Thomas.

Staff present: Board Secretary Ossana Terterian, General Manager John Weigold, & Utilities Manager Ray Dienzo

**C. CHAIRMAN'S REPORT**

Director Dean, Vice Chair Pierson & Chair Dean met with Utilities Manager Dienzo, GM Weigold, Finance Manager Duffield, and Finance Committee Chair Steidel to discuss ideas for prioritizing projects.

**D. AD HOC SUB-COMMITTEE REPORTS**

There was no Ad Hoc Sub-Committee Reports

**E. COMMITTEE MEMBER COMMUNICATIONS**

Jim Webb talked about the status of local marine reserves.

**1. PUBLIC COMMENT**

No public comment.

**2. CONSENT AGENDA**

**A. Consideration to Approve the January 10, 2022 Special Meeting Minutes**

Committee member Michael Thomas motioned to approve the minutes.

Committee member David Pierson seconded the motion.

The motion was approved - 5 ayes (Pierson, Webb, Siebuhr, Thomas, Fowles) 0 – Nays, 0-Abstain.

### 3. REGULAR BUSINESS

- A. Report from Utilities Manager Ray Dienzo on the Completion of the Temporary Water Line for the San Simeon Water Main Break, the Estimated Final Cost, and Procedure Going Forward for a Permanent Replacement

Chair Dean asked about estimated cost of permanent pipeline. Committee member Webb asked if pipe used for temporary repair can be repurposed.

- B. Receive Update from Utilities Manager/District Engineer Dienzo about Zero Liquid Discharge (ZLD) Brine Waste Disposal

Chair Dean: Suggested creating an ADHOC committee to work on Brine waste, Utilities Manager Dienzo concurred with

Siebuhr,, Thomas and Webb volunteered to be the committee.

David Pierson motioned to create the committee, Webb Second.

All 5 ayes.

- C. Discussion and Consideration of Forming a Brine Waste Disposal Ad Hoc Subcommittee.

Chair Dean recommended creating an ADHOC committee to research Brine Waste Disposal Alternatives. Utilities Manager Dienzo concurred with the recommendation.

Committee members Siebuhr, Thomas, and Webb volunteered to be on this ADHOC subcommittee.

David Pierson made motion to form the committee, Webb seconded the motion.

Motion passed 5 ayes.

- D. Review of Projects Being Addressed Through the Rate Study

- E. Discussion and Consideration to Appoint Vice Chair Pierson as Liaison to the Finance Committee

Thomas Motioned to appoint David Pierson as liaison to the finance committee.

Second by James Webb

Passed 5 ayes

**4. FUTURE AGENDA ITEMS**

Chairperson Dean asked for any future agenda items.

**5. ADJOURN**

Chairperson Dean adjourned the meeting at 3.23 p.m.

DRAFT

## PRIORITIZING CAPITAL IMPROVEMENT PROGRAM PROJECTS - **DRAFT**

### Description:

The purpose of this prioritizing method is to have a prioritization method with community engagement and can be standardized among the District's departments.

#### A. Department Asset Categories

##### 1. Utilities

- a. Wastewater Pipelines and Facilities - Wastewater pipelines, facilities and structures (interceptors, mains, trunk sewers, treatment plants, pump stations, laboratories, land management and administration buildings)
- b. Water Pipelines and Facilities - Water and reclaimed water pipelines, facilities, structures and land management (distribution mains, transmission mains, treatment plants, pump stations, tanks, wells and laboratories, land management and administration buildings)

##### 2. Fire Department

- a. Stations
- b. Vehicles
- c. Equipment

##### 3. Facilities & Resources

- a. Veteran's Hall
- b. Community Park Restroom
- c. Skate Park
- d. Public arts and cultural facilities
- e. Trails

The following are the description of prioritization factors **DRAFT**:

#### 1. Safety, Health, and Environment and Regulatory or Mandated Requirements:

- a. Project avoids or minimizes the risk to health, safety and environment associated with the infrastructure based on condition assessment of the asset, or the lack of an asset, which may include the age, size, material, capacity, and history of failure of the infrastructure.
- b. Urgency of the project to reduce the potential hazards to the public, property and environment.
- c. Project is required by legal mandate or consent decree (project specific or programmatic,

- e.g., Department of Health and Environmental Protection Agency's mandates).
- d. Project is required by other regulatory requirements (project specific or programmatic, e.g., General Permit Compliance).
- e. Project is required to comply with court orders and settlements or avoids plausible legal claims (project specific or programmatic).
- f. Project complies with Strategic Plan, General Plan, Community Plan, Regional Transportation Plan, Local Hazard Management Plan, etc.
- g. This factor will also evaluate the potential in reducing the risks to the staff's health and safety minimizing the failure or maintenance of the existing deficient infrastructure.

For example, scoring projects higher that result in:

- i. Reduction in accidents, main breaks, sewer spills and flooding problems.
- ii. Improved structural integrity and reliability of infrastructure.
- iii. Mitigation of health and environmental hazards.
- iv. Fewer or less severe mobility related accidents.
- v. Reducing emergency response times to minimum operational standards.
- vi. Addressing consent decrees, court orders, settlements and/or other legal mandates.

**2. Asset Condition, Annual Recurring Costs and Asset Longevity:**

- a. Existing conditions and capacity to meet the basic level of service is deficient.
- b. Avoids potential failure due to substandard conditions.
- c. The project improves the overall reliability of the capital asset and infrastructure system.
- d. There are major implications of delaying the project such as significant future costs, or negative community impacts.
- e. The extent to which the project reduces District operations and maintenance expenditures.
- f. The project increases the longevity of the capital asset or extends the useful life of the asset in the long term.

For example, scoring projects higher that result in:

- i. Reducing frequency and cost of repairs and bring the facility to current standards.
- ii. Reducing both maintenance requirements and energy consumption or the need for periodic cleaning.

### 3. Level and Quality of Service:

- a. The project improves existing conditions and capacity to meet the minimum level and quality of services that is deficient. Avoids potential failure due to substandard conditions.
- b. The project addresses an infrastructure or facility deficit identified in a community plan.
- c. The project addresses the need to install new facilities or improve existing facilities to provide access to District assets

### 4. Sustainability and Conservation:

- a. The project improves the health of the community and natural environment through sustainable designs with improved regional air quality and reduced greenhouse gas emission that contributes to climate change.
- b. The project facilitates multiple transportation options (including walkability, bicycles, and public transportation) and reduces the need for auto-dependency.
- c. Where appropriate, the project promotes accessibility of, open space and landform preservation, habitat protection and biological diversity.
- d. The project incorporates design that meets or exceeds recognized federal and state standards in the field of energy efficiency, such as State of California Title 24 Energy Efficiency Standards, LEED building standards, etc.
- e. The project reduces or avoids the potential public exposure to pollutants, contamination and other hazards to public health and environment.

For example, scoring projects higher that:

- i. Utilize renewable or green energy project materials and resources efficiently.
- ii. Promote community walkability and use of bicycles or public transit.
- iii. Promote community use of locally sourced and environmentally friendly products and services.

### 5. Project Readiness:

- a. The project is ready to enter the phase corresponding to the funding proposed. For example, a design-build project with a completed environmental document will score higher than a design-build project without a complete environmental document.
- b. The project shall be scored based upon the delivery method. Project that can be delivered most expeditiously shall be preferred.
- c. Assessment of non-engineering issues involved in completing the project. (e.g., significant environmental issues, project complexity, and level of public support). For example, projects with



complex environmental issues or known significant legal challenges shall be scored lower than projects without said complications.

**B. Scoring Weights DRAFT**

The following are the corresponding scoring weights in percentage for each factor per asset category:

<b>Prioritization Factor</b>	<b>Utilities Dept</b>	<b>Fire Dept</b>	<b>F&amp;R Dept</b>
Safety, Health, and Environment and Regulatory or Mandated Requirements	30	35	20
Asset Condition, Annual recurring costs and Asset Longevity	30	25	25
Level and Quality of Service	20	20	25
Sustainability and Conservation	10	10	20
Project readiness	10	10	10
	100	100	100

## Project Prioritization Metric

- Priority 1 Projects that would impact all of these criteria or would severely and immediately impact Safety and Health  
 Priority 2 Projects that would impact most of these criteria  
 Priority 3 Projects that would impact at least one of these criteria  
 Priority 4 Projects that need to be address but could be deferred; but could move up in priority if conditions change

### Safety

Reliability in an emergency
Engineering hazards out of the system
Public contact

### Health and Environment

Possible reduction in SSO's
Contact with untreated water
Public contact

### Improved/reliability

Reduced maintenance
Access to information and data
SCADA/interface capable

### Financial savings

Reduction in energy usage
Reduction in overtime
Reliability in an emergency

### State mandates

Ammonia reduction
Nitrate reduction
PFAS reduction
OMMP requirements

**General Fund Ad Hoc Committee Report**  
**October 7, 2021**

Our first recommendation is for the priorities 1 – 3 to have written definitions so there is clarity on their use. The following is a recommendation.

Priority 1: Any project or purchase essential to the successful completion of the District's mission. Any project or purchase in the approved budget for the current fiscal year. Any high-risk deficiency that could prove costly to the District.

Priority 2: Same as Priority 1 but in the opinion of the department head and district general manager can be deferred for 2 – 3 years.

Priority 3: Any project or purchase that would improve the services provided by the District but is not essential for its mission. Items that can be deferred for more than 3 years.

We reviewed the list of the current CIP list as attached and noted our recommendations on the sheet. Several items need a cost-benefit analysis done to see if some other option would be better. Several items need the pricing updated by contractors to verify the staff estimate.

General Fund Projects		Ranking	FY Project Cost	10-Yr Cost	Notes
<b>FY</b>	<b>Administration Department Projects</b>				
20-21	Tyler Incode	1	0	\$76,050	Complete in FY 21/22
	Replace District Car	3	0	\$30,000	Need a cost-benefit justification. Is it better to let people use their own vehicles? If purchase then needs to be electric. Staff response: employees will not use their personal vehicles.
<b>Subtotal</b>				0	\$106,050
<b>FY</b>	<b>Facilities &amp; Resources/PROS Projects</b>				
20-21	F350 Truck - Replace 1999 F150 Truck	1	0	\$40,000	Done - in 21/22 Budget
20-21	Electric Vehicle Charging Station (Vets Hall)	1	0	\$22,272	Should be done this year - needs to stay priority 1 for grant
20-21	Electric Vehicle Charging Station (East Village Parking Lot)	1	0	\$17,000	See above
	Skate Park Improvements	1	0	\$0	Both projects should have solid budget numbers by the end of October. Board will decide on next steps.
20-21	Restroom Facilities @ Fiscalini Ranch Preserve	1	0	\$20,000	
	Vets Hall Sewer Line	1	0	\$40,000	High Risk of possible HAZMAT so needs to be a 1. Need to check on options (sleeve?) also needs a firm estimate from a contractor. Staff: Estimate in progress. New estimate is \$31,460. Recommend using outside contractor and feel it is a priority 2
	Vets Hall Electrical Emergency (Generator & Equipment)	1	0	\$80,000	Needs to stay a 1 as Vet's Hall should be emergency care center. Needs to be two projects. Need to work with Legion on the roof over their dining room as that is a priority 1. Main roof should be a priority 2.
	Re-Roof Entire Vets Hall Building & American Legion Kitchen Area	1	0	\$55,000	
	Vets Hall Water Line	2	0	\$10,000	
	Vets Hall Kitchen Improvements (Replace cabinets, countertops, sinks)	3	0	\$20,000	All these are good for now
	Vets Hall Restroom Improvements (Replace partitions, countertops, sinks & flooring)	3	0	\$17,500	
<b>Subtotal</b>				0	\$321,772
<b>FY</b>	<b>Fire Department Projects</b>				
20-21	Radio System Upgrade Phase 2	1	0	\$40,729	Done. In budget for 21/22
	Fire Department Station Security	2	0	\$80,000	Some work to be done this FY. Phased construction.
	Zoll X Series EKG	2	0	\$40,000	Need is for one backup
	Extrication Tool	2	0	\$60,000	Is this for a backup? Need better information on need. Staff: Both sets current out of date (one for each truck); applied for grant.
	Utility Truck	2	0	\$50,000	OK for now
	Fuel Station Computer Replacement	3	0	\$14,000	CCHD is out as a partner. Needs to be a priority 1 for accountability. Staff: in current budget and on plan to replace in FY21-22.
	Replace Fire Truck - Engine Type 1	3	0	\$700,000	An apparatus plan needs to be made to show the need for each of these and what the longevity of each should be. Do we need a Tender? We loan it out and make money but it is paid for. Would that be true with a new one? Reserve fund needs to be established as we payoff current loan. Staff: Tender not critical, can recoup costs through mutual aid expenses. Staff: We maintain two Type 1 engines; 20-yr lifespan; on 10-yr offset cycle; next purchase 2027; Type 3 not in inventory now; needed for wildland urban interface; 20-yr engine; can act as Type 1 if others inop; planned for 2022.
	Purchase New Fire Truck - Engine Type 3	3	0	\$400,000	
	Replace Water Tender	3	0	\$250,000	Needs a cost-benefit done. Staff: No current training facility; alternative is sending firefighters offsite while off-duty and incur additional pay reqts.
	Facility Training Center (Sea Train Container)	3	0	\$100,000	Includes Admin Office - Cost-benefit. Possible bond issue.
	Fire Station Expansion	3	0	\$3,000,000	Combine with CCHD?
<b>Subtotal</b>				0	\$4,734,729
<b>GRAND TOTAL</b>					\$5,162,551
				Priority 1 Total	\$391,051
				Priority 2 Total	\$240,000
				Priority 3 Total	\$4,531,500
				Priority 4 Total	\$0
					\$0

Completed Projects	Ranking	FY Project Cost	10-Yr Cost	Actual Cost	Notes
20-21 Trailer - Homeless Personal Property Storage	1	\$ 12,000.00	\$ 12,000.00		9777.34 Purchase Completed in March 2021

	B	C	D	E	F	G
1	General Fund CIP (Draft FY 22/23 Budget_4/8/22)					
2	General Fund Projects	Ranking	FY Project Cost	10-Yr Cost	Notes	
3	<b>Administration Department Projects</b>					
4	Tyler Incode	1	\$ -	\$ 76,050	Anticipate completion FY 21/22	
5	Replace District Car	3	\$ -	\$ 30,000		
6						
7		Subtotal	\$ -	\$ 106,050		
8	<b>Facilities &amp; Resources/PROS Projects</b>					
9	Electric Vehicle Charging Station (East Village Parking Lot)	1	\$ -	\$ 17,000		
10	Skate Park Improvements	1	\$ -	\$ 661,000		
11	Restroom Facilities @ Fiscalini Ranch Preserve	1	\$ -	\$ 371,480		
12	Vets Hall Sewer Line	1	\$ -	\$ 40,000		
13	Vets Hall Electrical Emergency (Generator & Equipment)	1	\$ -	\$ 80,000		
14	Vets Hall Water Line	2	\$ -	\$ 10,000		
15	Re-Roof - Entire Vets Hall Building	1	\$ -	\$ 55,000	American Legion Kitchen Area completed FY 21/22	
16	Vets Hall Kitchen Improvements (Replace cabinets, countertops, sinks)	3	\$ -	\$ 20,000		
17	Vets Hall Restroom Improvements (Replace particians, countertops, sinks & flooring)	3	\$ -	\$ 17,500		
18		Subtotal	\$ -	\$ 1,271,980		
19	<b>Fire Department Projects</b>					
20	Radio System Upgrade Phase 2	1	\$ -	\$ 40,729	Will be finalized in FY 21/22	
21	Fire Department Station Security	2	\$ -	\$ 80,000	Phase 1 (gate) will be complete FY 21/22 Phase 2 (cameras and fencing) FY 22/23 \$45,000	
22	Zoll X Series EKG	2	\$ -	\$ 40,000	FY 22/23	
23	Utility Truck	2	\$ -	\$ 50,000	Push replacment to FY 22/23	
24	Utility Truck	2	\$ -	\$ 50,000	Push replacement to FY 22/23	
25	Extrication Tool	3	\$ -	\$ 60,000	FY 23/24	
26	Fuel Station Computer Replacement	3	\$ -	\$ 14,000	Should be finalized FY 21/22	
27	Replace Fire Truck - Engine Type 1	3	\$ -	\$ 700,000	FY 26/27	
28	Purchase New Fire Truck - Engine Type 3	3	\$ -	\$ 450,000	FY 22/23	
29	Replace Water Tender	3	\$ -	\$ 250,000	FY 23/24	
30	Facility Training Center (Sea Train Container)	3	\$ -	\$ 100,000		
31	Fire Station Expansion	3	\$ -	\$ 3,000,000	Includes Admin Office	
32		Subtotal	\$ -	\$ 4,834,729		
33			GRAND TOTAL	\$ 6,212,759		
34			Priority 1 Total	\$ 1,341,259		
35			Priority 2 Total	\$ 230,000		
36			Priority 3 Total	\$ 4,641,500		
37			Priority 4 Total	\$ -		
38				\$ -		
39	Completed Projects	Ranking	FY Project Cost	10-Yr Cost	Actual Cost	Notes
40	F350 Truck - Replace 1999 F150 Truck	1	\$ -	\$ 40,000	\$ 40,000	Completed FY 21/22
41	Electric Vehicle Charging Station (Vets Hall)	1	\$ 11,267	\$ 22,272	\$ 22,272	Completed FY 21/22
42	Re-Roof - Vets Hall American Legion Kitchen Area	1	\$ -	\$ -	\$ 8,446	Completed FY 21/22
43						
44						



	B	C	D	E	F	G
1	<b>Wastewater CIP (Draft FY 22/23 Budget 4/8/22)</b>					
2	<b>Wastewater Projects</b>	<b>Ranking</b>	<b>FY Project Cost</b>	<b>10-Yr Cost</b>	<b>Notes</b>	
3	<b>Treatment Plant Projects in SST (All SST Cost Estimates Current as of IGA Final Report)</b>					
4	Investment Grade Audit (30% Design for all ECMs)	1	\$ -	\$ 528,404	Sewer Base Fund Projects; Updated per Final IGA Report	
5	(ECM 1) Influent Flow Equalization	1	\$ -	\$ 1,534,421	Sewer Base Fund Projects; Updated per Final IGA Report	
6	(ECM 2) Influent Lift Station	1	\$ -	\$ 18,261	Sewer Base Fund Projects; Updated per Final IGA Report	
7	(ECM 3) Modified Ludzak-Ettinger Process Upgrade	1	\$ -	\$ 1,223,778	Sewer Base Fund Projects; Updated per Final IGA Report	
8	(ECM 4) Blower Improvements	1	\$ -	\$ 258,372	Sewer Base Fund Projects; Updated per Final IGA Report	
9	(ECM 5) RAS and WAS Pumping Improvements	1	\$ -	\$ 637,716	Sewer Base Fund Projects; Updated per Final IGA Report	
10	(ECM 7) Electrical Upgrades	1	\$ -	\$ 293,783	Sewer Base Fund Projects; Updated per Final IGA Report	
11	(ECM 8) Backup Power	1	\$ -	\$ 423,327	Sewer Base Fund Projects; Updated per Final IGA Report	
12	(ECM 9) SCADA System	1	\$ -	\$ 551,012	Sewer Base Fund Projects; Updated per Final IGA Report	
13	(ECM 10) Secondary Water System (3W) Improvements	1	\$ -	\$ 318,202	Sewer Base Fund Projects; Updated per Final IGA Report	
14	Pads for electrical ECMs	1	\$ -	\$ 313,893	Sewer Base Fund Projects; Updated per Final IGA Report	
15	Final Design	1	\$ -	\$ 308,394	Sewer Base Fund Projects; Updated per Final IGA Report	
16	Project Duration/General Condition Costs	1	\$ -	\$ 1,117,904	Sewer Base Fund Projects; Updated per Final IGA Report	
17	(ECM 11) Effluent Pump Station Improvements	2	\$ -	\$ 374,580	Other Sewer Projects; Updated per Final IGA Report	
18	(ECM 12) Sewer Lift Stations	1	\$ -	\$ 2,128,564	Other Sewer Projects; Updated per Final IGA Report	
19	(ECM 6) Sludge Thickening	2	\$ -	\$ 1,393,341	Other Sewer Projects; Updated per Final IGA Report	
20	(ECM 2) Influent Lift Station Modifications	2	\$ -	\$ 2,110,000	Other Sewer Projects; Updated per Final IGA Report	
21	Tertiary Treatment	4	\$ -	\$ 889,436	Other Sewer Projects; Updated per Final IGA Report	
22	Storm Drain	2	\$ -	\$ 130,521	Other Sewer Projects; Updated per Final IGA Report	
23	Demolish Old Tanks	2	\$ -	\$ 567,815	Other Sewer Projects; Updated per Final IGA Report	
24		<b>Subtotal</b>	<b>\$ -</b>	<b>\$ 15,121,724</b>		
25	<b>Treatment Plant Projects</b>					
26	PFAS Treatment (Design Phase)			\$ 50,000	Added 3/31/2022	
27	Security Improvements	1	\$ -	\$ 15,000		
28	Van Gordon House Demolition (Split with Water)			\$ 50,000	Added 3/31/2022	
29	Redundant Blower for Plant			\$ 400,000		
30	New polymer skid for sludge press			\$ 85,000	Added 3/31/2022	
31	Walkway Grating on Digester Tanks		\$ -	\$ 20,000		
32	Cargo Box for Storage		\$ -	\$ 10,000	Added 3/31/2022	
33	<b>Clarifier Improvements</b>					
34	Eastern clarifier - Replace chain drive	1	\$ -	\$ 40,000		
35	Eastern clarifier - Replace drive unit's metallic hubs with non-corrosive hubs	1	\$ -	\$ 35,000		
36	Eastern clarifier - Replace clarifier chain, wear shoes, skid plates, & sprockets	2	\$ -	\$ 40,000		
37	Western clarifier - Replace clarifier chain, wear shoes, skid plates, & sprockets	2	\$ -	\$ 40,000		
38	Cover for Sheltering of Equipment @ Plant ( 50%)	2	\$ -	\$ 15,000		
39		<b>Subtotal</b>	<b>\$ -</b>	<b>\$ 800,000</b>		
40	<b>Collection System Projects</b>					
41	<b>Lift Station A (Nottingham &amp; Leighton/Park Hill)</b>					
42	New Submersible Pumps, MCC, Bypass Piping, Control Panel at Grade Elevation	1	\$ -	\$ 490,000		
43	<b>Lift Station A-1 (Sherwood &amp; Harvey/Marine Terrace)</b>					
44	New Submersible Pumps, Bypass Piping	1	\$ -	\$ 265,000		
45	<b>Lift Station B - (SR Creek/Behind Park Hill)</b>					
46	New Control Panel, Generator, Wet Well, Submersible Pumps, and Valve Vault	3	\$ -	\$ 435,000		
47	<b>Lift Station B-1 (Burton Dr at Tin City)</b>					
48	Convert to gravity flow	1	\$ -	\$ 600,000	Added 3/31/2022	
49	<b>Lift Station B-2 (Wood Dr./E. Lodge Hill)</b>					
50	New Control Panel at Grade Elevation	1	\$ -	\$ 425,000		
51	<b>Lift Station B-3 (Green St./W. Lodge Hill)</b>					
52	New Control Panel	1	\$ -	\$ 250,000		
53	New Submersible Pumps, MCC, Bypass Piping	3	\$ 5,062	\$ 250,000		
54	<b>Lift Station 8</b>					
55	Replace Pumps	1	\$ -	\$ 95,000	Added 3/31/2022	
56	Phased Manhole and Sewer Main Replacement		\$ 100,000	\$ 1,000,000	Added 3/31/2022	
57	New generators at LS 4, 8			\$ 12,000	Added 3/31/2022	
58	Push camera			\$ 10,000	Added 3/31/2022	
59	Portable Generator			\$ 65,000	Added 3/31/2022	
60	Asset Management Software		\$ -	\$ 10,000	Updated 3/31/2022; was spatial software	
61	Reroute effluent line around State Parks		\$ -	\$ 2,000,000	Added 3/31/2022	
62		<b>Subtotal</b>	<b>\$ 105,062</b>	<b>\$ 5,907,000</b>		
63	<b>Vehicles and Trailer-Mounted Equipment</b>					
64	Replace 2005 F250		\$ -	\$ 65,000	Added 3/31/2022	
65	<b>GRAND TOTAL \$ 21,893,724</b>					
66						
67						
68						
69						
70						
71						
72						
73						
74	<b>Completed Projects</b>	<b>Ranking</b>	<b>FY Project Cost</b>	<b>10-Yr Cost</b>	<b>Actual Cost</b>	<b>Notes</b>



	A	C	D	E	F	G
1	<b>Water CIP (Draft Budget 4/8/22)</b>					
2		<b>Ranking</b>	<b>FY Project Cost</b>	<b>10-Yr Cost</b>	<b>Notes</b>	
3	<b>Water Distribution System Projects</b>					
4	Advanced Metering Infrastructure (AMI)	1	\$ -	\$ 1,852,016	Updated 3/31/2022 costs based on current proposals	
5	Piney Way Erosion Control - Design, Permitting and Relocation	1	\$ -	\$ 30,000	Updated 3/31/2022	
6	Well site pump replacements		\$ -	\$ 532,141	Added 3/31/2022; Replace pumps at SS1, SS2, SS3, and SR4 with more efficient versions	
7	SS2 Electrical Panel Upgrade	1	\$ -	\$ 25,000	Updated 3/31/2022 to increase cost	
8	District Metered Areas (Phased - Design and Permitting, Implementation cost TBD)	2	\$ -	\$ 150,000	Updated 3/31/2022; was subzone metering; needs hydro model and AMI network	
9	Cover for Sheltering of Equipment @ Plant (50%)	2	\$ -	\$ 15,000		
10	Modular Office Building @ Plant	2	\$ -	\$ 10,000		
11	Upgrading undersized water mains		\$ -	\$ 130,000	Updated 3/31/2022; was leimert line replacement	
12	Design and Permitting for SSWF Transmission Main at State Park Wetlands	1	\$ -	\$ 100,000	Added 3/31/2022	
13	San Simeon Well Field Transmission Main at State Park Wetlands	1	\$ -	\$ 2,000,000	Updated 3/31/2022; was spot repairs to trans main	
14	Pine Knolls - Iva Court zone 1 pipeline expansion	4		\$ 165,000		
15	Vault upgrades (Rodeo Grounds, Charing, and Windsor)			\$ 60,000	Added 3/31/2022	
16	Demo Van Gordon House (Water Portion)			\$ 50,000	Added 3/31/2022	
17		<b>Subtotal</b>	\$ -	\$ 5,119,157		
18	<b>Tank &amp; Booster Pump Station Projects</b>					
19	SCADA System - Phased Upgrades (Phase III-Alarms, Flow Data, Monitoring Wells)	1	\$ -	\$ 225,000	Phase I and II complete	
20	Stuart Street Tank Rehabilitation	1	\$ -	\$ 458,000	Refurbishment of existing tanks to like new condition	
21	Third Stuart Street Tank Installation		\$ -	\$ 600,000	New 365000 gallon welded steel tank	
22	Electrical transfer switch and conduit to well SS-3	2	\$ -	\$ 25,000		
23	Stuart Street and Leimert Booster Pump Replacement		\$ -	\$ 500,000	Updated 3/31/2022 based on Final IGA	
24	Rodeo Grounds Pump Station Replacement (aka Zone 2 Booster pump station)	3	\$ -	\$ 2,200,000	Updated 3/31/2022 based on Final IGA	
25		<b>Subtotal</b>	\$ -	\$ 4,008,000		
26	<b>Vehicles and Trailer-Mounted Equipment</b>					
27	Dump trailer for storing and hauling spoils from road repairs		\$ -	\$ 15,000	Added 3/31/2022	
28	Replacement of 1999 John Deere Loader and Backhoe Tractor		\$ -	\$ 75,000	Added 3/31/2022	
29	Truck Replacement Program (annual cost to build reserves)			\$ 25,000	Added 3/31/2022	
30	Replacement 2005 F-150 Truck with F-250 (for towing Ditch Witch)	1	\$ -	\$ 35,000		
31		<b>Subtotal</b>	\$ -	\$ 150,000		
32	<b>Programs and Plans</b>					
33	Hydraulic System Model Update		\$ -	\$ 75,000	Added 3/31/2022 Detailed computer modeling of	
34	Water Master Plan Amendment		\$ -	\$ 35,000	Revised fire flow modeling/tank sizing check	
35	Database for water conservation program/tracking with parcel links & APN file conversion		\$ -	\$ 10,000		
36		<b>Subtotal</b>	\$ -	\$ 120,000		
37				<b>GRAND TOTAL</b>	\$ 9,397,157	
40			<b>Priority 1 Total</b>			
41			<b>Priority 2 Total</b>			
42			<b>Priority 3 Total</b>			
43			<b>Priority 4 Total</b>			
45	<b>Completed Projects</b>					
46	Pressure Zone 2 to Zone 7 transmission main replacement @ SR Creek pedestrian bridge	1	\$ -	\$ 215,527		
47	SCADA System - Phase I and II Upgrades			\$ 99,371	\$ 99,371	
48	Replacement Dump Truck		\$ -	\$ 74,871	\$ 74,871	
49	Trailer-Mounted Air Compressor		\$ -	\$ 22,557	\$ 22,557	
50	Trailer-Mounted Vacuum Extractor		\$ -	\$ 46,169	\$ 46,169	
51	San Simeon well field generator replacement		\$ -	\$ 50,449	\$ 50,449	
53	<b>WRF CIP (Draft Budget 4/8/22)</b>					
54		<b>Ranking</b>	<b>FY Project Cost</b>	<b>10 yr Cost</b>	<b>Notes</b>	
55	<b>Permitting &amp; Planning</b>					
56	Groundwater modeling and consulting for CDP	1	\$ -	\$ 35,000	Updated 3/31/2022	
57	EIR consulting (follow up agency discussions to support the WRF's Regular CDP)	1	\$ -	\$ 28,609		
58	Section 7 ESA consulting, annual AMP report, & AMP update	1	\$ -	\$ 100,000		
59		<b>Subtotal</b>	\$ -	\$ 128,609		
60	<b>Interim, short-term SWF Modifications</b>					
61	Brine Tank Secondary Containment, Grading, Rock	1	\$ -	\$ 20,000		
62		<b>Subtotal</b>	\$ -	\$ 20,000		
63	<b>Advanced Water Treatment Plant</b>					
64	Membrane and Filter Replacement Program (annual cost to build reserves)		\$ -	\$ 25,000	Added 3/31/2022	
65	Replace CIP Tank (leaking)		\$ -	\$ 15,000	Added 3/31/2022	
66	Replace chemical storage tank (leaking)		\$ -	\$ 10,000	Added 3/31/2022	
67	Miscellaneous instrumentation / monitoring upgrades	2	\$ -	\$ 25,000	Updated 3/31/2022 to reflect cost inflation	
68		<b>Subtotal</b>	\$ -	\$ 25,000		
69	<b>Long-Term Improvement Modifications</b>					
70	Consulting assistance for coordination with Army Corps on WRDA grant (meetings, redefine work plan, & update scope of work)	1	\$ -	\$ 40,000		
71	Future permanent mods at WRF for trailer fill station (transfer tanks, piping, & spill containment/loading pad)	2	\$ -	\$ 200,000		
72	AWTP pull-barn style covers for outdoor equipment & control panels (1,2)	2	\$ -	\$ 50,000		
73	Sems, Hach WIMS, or custom programmer for logging/reporting software and tablets	3	\$ -	\$ 25,000		
74	Installation of remote sensing instrumentation at SS creek (needs ROE agreement with State Parks)	3	\$ -	\$ 10,000		
75	Solar Array System	3	\$ -	\$ 375,000		
76		<b>Subtotal</b>	\$ -	\$ 700,000		
77				<b>GRAND TOTAL</b>	\$ 873,609	
80			<b>Priority 1 Total</b>	\$ 188,609		
81			<b>Priority 2 Total</b>	\$ 275,000		
82			<b>Priority 3 Total</b>	\$ 410,000		
83			<b>Priority 4 Total</b>	-		
85	<b>Completed Projects</b>					
		<b>Ranking</b>	<b>FY Project Cost</b>	<b>Actual Cost</b>	<b>Actual Cost</b>	<b>Notes</b>