



ENGINEERING COMMITTEE

AGENDA

Committee Meeting:
Tuesday, January 14, 2020
2:00 PM (Board Room)

Calaveras County Water District
120 Toma Court / P.O. Box 846
San Andreas, California 95249

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at (209) 754-3028. Notification in advance of the meeting will enable CCWD to make reasonable arrangements to ensure accessibility for this meeting. Any documents that are made available to the Committee before or at the meeting, not privileged or otherwise protected from disclosure, and related to agenda items, will be made available at CCWD for public review.

ORDER OF BUSINESS

CALL TO ORDER / PLEDGE OF ALLEGIANCE

1. **PUBLIC COMMENT**

At this time, members of the public may address the Committee on any non-agendized items. The public is encouraged to work through staff to place items on the agenda for consideration by the Committee. Comments are limited to three (3) minutes per person.

2.* **APPROVAL OF MINUTES**

- Date of Prior Minutes – September 30, 2019

3.* **NEW BUSINESS**

- 3a Presentation of the Status of the District's Large Vehicle Fleet as it relates to the California Air Resources Board's (CARB) Truck and Bus Regulation (Damon Wykoff, Director of Operations)
- 3b Presentation of the Status of District Potable Water Storage Tanks and Rehabilitation Needs (Damon Wyckoff, Director of Operations)
- 3c Discussion of the Draft Calaveras County Paving Program 2020 thru 2024 (Jared Gravette, Inspector)
- 3d Presentation / Discussion Regarding Review of La Contenta Wastewater Service Area, Districts 1 & 5 (Bob Godwin, Senior Civil Engineer)
- 3e Presentation / Discussion of Assessment District (AD) 604 Background Information and Current Status (Charles Palmer, District Engineer)

4. **OLD BUSINESS**

Nothing to report

5. **FUTURE AGENDA ITEMS**

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6. **NEXT COMMITTEE MEETING**

Tentative: Tuesday, February 4, 2020 at 2:00 p.m.

7. **ADJOURNMENT**

*Paperwork included in package

CCWD ENGINEERING COMMITTEE
CALAVERAS COUNTY WATER DISTRICT
SEPTEMBER 30, 2019

The Engineering Committee of CALAVERAS COUNTY WATER DISTRICT met at the CCWD Offices in San Andreas, California, at approximately 2:00 p.m.

The following Directors/Committee Members were present:

Jeff Davidson
Russ Thomas

Also present:

Michael Minkler	General Manager
Charles Palmer	District Engineer
Alesia Danner	Administrative Technician
Peter Martin	Water Resource Manager
Rebecca Hitchcock	Executive Assistant/Clerk to the Board
Vickey Mills	
Bob Godwin	Senior Engineer
Sam Singh	Engineering Technician

1. PUBLIC COMMENT:
There was no public comment.

2. APPROVAL OF MINUTES:

The August 6, 2019 Minutes were approved as presented by a motion from Director Thomas, and seconded by Director Davidson.

3. NEW BUSINESS:

3a Presentation / Discussion Regarding Copper Cove Above Ground Pipeline—Reeds Turnpike (Kevin Williams, Civil Engineer)

Mr. Williams provided a slide show presentation on the issues and goals of minimizing risk to the exposed water pipeline along a section of Reeds Turnpike. Multiple options were provided, each with an underlying issue of complications.

Staff was advised to continue research and provide updates when available.

3b Presentation / Discussion Regarding Design and Contracting Requirements for District's New Operations Maintenance Facility (Kevin Williams, Civil Engineer)

Mr. Williams presented a slideshow presentation of building layout and design options along with site consideration details.

Director Davidson advised staff to follow up with cost projections and bring back to the Engineering Committee along with rough details of a final building design as updates occur.

Ms. Mills provided a public comment that a taller building would be more versatile.

3c Presentation / Discussion Regarding Forest Meadows Wastewater Treatment Plant, Storage and Disposal Capacity (Charles Palmer, District Engineer)

Mr. Palmer presented a slideshow presentation on the capacities at the Forest Meadows Wastewater Treatment Plant. Discussion included the need to improve the filtration system and possible lowering of the effluent pumps to meet the requirements.

Mr. Godwin provided additional comment that CCWD will be renewing the Regional Board Permit within the next 2-3 years for this location.

4. OLD BUSINESS:
There was nothing to report.

5. FUTURE AGENDA ITEMS:

6. NEXT MEETING

Tentatively Scheduled: Tuesday, November 5, 2019 @ 2:00 p.m.

7. ADJOURNMENT

There being no further business, the meeting adjourned at approximately 3:06 p.m.

Respectfully submitted,

Alesia Danner
Administrative Technician

Agenda Item

DATE: January 14th, 2020

TO: Engineering Committee
Michael Minkler, General Manager

FROM: Damon Wyckoff, Director of Operations

SUBJECT: Presentation of the status of the District's Large Vehicle Fleet as it relates to the California Air Resources Board's (CARB) Truck and Bus Regulation

SUMMARY:

Compliance Verification of the CARB's Truck and Bus Emissions Regulation will begin January 1st, 2020. This regulation has direct impacts on CCWD's large vehicle fleet and will help to steer the District's future purchases of large Trucks. CARB's Truck and Bus Emissions Regulation applies to nearly all diesel-fueled vehicles with a Gross Vehicle Weight Rating (GVWR) greater than 14,000 pounds and breaks these vehicles up into two categories; Lighter Vehicles weighing between 14,000 and 26,000 pounds GVWR and Heavier Vehicles weighing more than 26,000 pounds GVWR. The Emissions Regulation applies to vehicles with an engine age of 2009 or older. Vehicles with an engine age of 2009 or older are required to be replaced or repowered within a certain time frame. The District has a total of eleven on-highway vehicles currently that are required to comply with the Regulation and a total of seven that must be replaced, repowered, or registered as low-use Vehicles. The low-use vehicle exemption allows non-CARB compliant vehicles to operate less than 1,000 hours per year. Annual odometer and hour meter reading and reporting to comply with the exemption is required.

Vehicles with an Engine Model Year (EMY) of 2003 or older must be replaced, repowered, or registered as a low-use Vehicle by January 1st, 2020. The District has two vehicles that were recently registered as low-use / low population County Vehicles. A 2003 VacCon (#123), and a 2000 Ford F-450 Crane Truck (#122). Staff must track mileage when using these vehicles and keep records of the annual miles driven. Heavy-Duty Vehicles with an EMY of 2004 or older must be replaced or re-powered by 2021. The District must replace or re-power its 2004 VacCon (#126) prior to 2021. Heavy-Duty vehicles with a 2006 or older EMY must be replaced or re-powered by 2022. The District must replace or re-power its 2006 Kenworth Dumptruck (#128) before 2022. A replacement vehicle is estimated to cost approximately \$130K.

Light-Duty Vehicles with an EMY of 2009 or older must be replaced or re-powered by 2023. The District must replace or repurpose its 2009 Peterbilt Pumper Truck (#145), 2007 Ford F-550 Dump Truck (#527), and 2008 Ford F-550 Dump Truck (#709).

The CARB Truck and Bus Emissions Regulation will dictate the decision-making process when it comes to replacing trucks within the District's Large Vehicle Fleet for several years to come.

By leveraging the low-use exemption within the Regulation, the District can optimize the use of existing vehicles while working to purchase new, more reliable, and safe large vehicles.

FINANCIAL CONSIDERATIONS:

The overall cost to replace five vehicles over three years is estimated to be \$950,000 in total. Approximately \$480,000 are currently planned to be expended in fiscal year 2020/21, \$130,000 in 2021/22, and \$340,000 in 2022/23.

Attachments:

CARB Truck and Bus Regulation District Timeline

Regulation	Model Year	Description	Replace / Re-Register Power/Re-	Est Cost	Compliance by	Budget Plan	Notes
EMY 2003 or older	2003	VacCon	Re-Register	Nominal	Jan 1st, 2020		To West Point - less than 1K annual Miles Required
EMY 2003 or older	2000	F-450 Crane Truck	Re-Register	Nominal	Jan 1st, 2020		Deployed to the Copper Cove Maintenance Shop
EMY 2004 or older	2004	VacCon	Replace	\$480K	Jan 1st 2021	20/21 FY	Deployment TBD
EMY 2006 or older	2006	Kenworth Dump Truck	Replace	\$130K	Jan 1st 2022	21/22 FY	Can then work to Register the 2006 unit as Low-Use
EMY 2009 or older	2007	Ford F-550 Dump Truck	Replace	\$70K	Jan 1st 2023	22/23 FY	
EMY 2009 or older	2008	Ford F-550 Dump Truck	Replace	\$70K	Jan 1st 2023	22/23 FY	
EMY 2009 or older	2209	Peterbilt Pumper Truck	Replace	\$200K	Jan 1st 2023	22/23 FY	
Totals			2 Re-Registers 5 Replacements 7 Total	\$950K over 3 years			

Agenda Item

DATE: January 14, 2020

TO: Engineering Committee
Michael Minkler, General Manager

FROM: Damon Wyckoff, Director of Operations

SUBJECT: The Status of District Potable Water Storage Tanks and Rehabilitation Needs

SUMMARY:

The Calaveras County Water District has 34 potable water storage tanks. These tanks are on a rotating 5-year annual inspection schedule. Annual tank inspections are required by the Division of Drinking Water (DDW) and help to inform both long and short-term tank maintenance, repair, rehabilitation, and replacement for both the District and the DDW.

Recent annual inspections have brought to light the fact that many District tanks are structurally deficient and in need of repair, replacement, and / or rehabilitation. Moreover, some of these tanks are in such poor condition that divers contracted to inspect them will not climb or enter them due to safety concerns and for fear of further damaging the tanks. For instance, B Tank in Copperopolis (steel construction) has a sagging roof plate, broken internal ladder, and numerous pieces of roof truss and debris settled on the floor of the tank. The clearwell at the Copper Cove Water Treatment Plant is in a similar condition. Both tanks will no longer be inspected until rehabilitated. Forest Meadows Tank 1, the Jenny Lind Water Treatment Plant Clearwell #2, and E Tank in the La Contenta HOA have also been identified as needing complete rehabilitation or replacement.

The District continues to prioritize potable water storage tank repair, rehabilitation, and replacement within its Capital Improvement Program (CIP) and budget. The Fiscal Year 2019/20 CIP budget included funding to repair the Jenny Lind Clearwell #2 and the Larkspur Tank in the Ebbett's Pass Service area. Funds are proposed to be allocated in the 2020/21 Fiscal Year to repair and/or rehabilitate the Copper Cove Clearwell, B-Tank, and the Ebbett's Pass Sawmill Tank. District Staff are preparing to solicit bids to repair the Jenny Lind Clearwell #2, Wallace Lake Estates Ground Tank, and Larkspur Tank this winter with an anticipated spring / summer construction schedule.

Staff continue to seek grant funding opportunities to improve infrastructure overall and leverage Renovation and Replacement Funds (R&R Fund) for tank rehabilitation and replacement. Currently, staff are working with the Sierra Institute to develop a bundled proposal from the Mountain Counties Integrated Regional Water Management Proposition 1 region overlay. Sierra Institute seeks to develop a proposal for funding from CalFIRE and CalOES to replace or improve CCWD Tanks that are considered vital to wildfire response. The District provided information to the Sierra Institute regarding nearly \$1.3 million in projects necessary to replace three tanks: The Sheep Ranch Tank, C Tank in Rancho Calaveras, and the Jenny Lind Clearwell #2. Additionally, the District continues to work with FEMA to secure funding to replace six redwood tanks in the Ebbetts Pass Service Area that are identified as being critically vulnerable to wildfire.

In conclusion, many of the District's distribution system tanks are beyond their useful life and must be replaced. Staff are working diligently to ensure these tanks are replaced expediently. Staff continue to leverage both the R&R fund and seek grant funds to ensure these critical tanks are rehabilitated and replaced in a cost-effective manner. As the District successfully implements tank replacement projects, opportunities for tank consolidation and system optimization will also present themselves. Throughout the implementation of these projects, staff will identify opportunities to optimize and remove inefficiencies within service area distribution systems.

FINANCIAL CONSIDERATIONS:

None: informational update only

Attachments:

Agenda Item

DATE: January 14, 2020

TO: Engineering Committee
Michael Minkler, General Manager

FROM: Jared Gravette, Inspector
Charles Palmer, District Engineer

RE: Draft Calaveras County Paving Program 2020 thru 2024

SUMMARY

On December 18th and 19th, 2019 the Calaveras County Public Works Department (County) circulated its Draft Paving Program for 2020 thru 2024 (see attachments). After reviewing the draft plan, there are some areas of concern for the District. The 2020 Paving Schedule has a large amount of “microsurfacing” of county-maintained roads in Rancho Calaveras. The plan includes \$710,000 in microsurfacing work on Kirby Street, Garner Place, Baldwin Street, and Hartvickson Lane on roads that the District has current or future projects. Rancho Calaveras is a high maintenance area for the District due to the aging infrastructure. It will be challenging for the District to replace large amounts of infrastructure ahead of the County’s Paving Schedule to avoid impacts to paving scheduled Rancho Calaveras and other areas of the County. The District may wish to contemplate the possibility of assigning a portion of the construction crew to perform service line replacements on a continual basis to get ahead of the scheduled paving projects. Also, the District would like to know that the County’s scope is incorporating all prep and finish work for the construction projects in their costs, such as raising iron (manhole lids and G-5 valve boxes) to grade and providing all materials and inspections needed to complete this work. The District and County are in correspondence to setup a meeting in the near future to discuss the program and potential coordination and alignment of efforts to avoid unnecessary costs and impacts. The District should strongly encourage the County to focus on road repair efforts that facilitate the mutual completion of both Parties CIP projects. A regular quarterly meeting between the District and County could help coordinate and identify mutual objectives.

The District would like to review the Pavement Condition Index (PCI) report conducted by Public Works used to prioritize roadways in need of repair. The PCI report was not shared by the County, and the District has questions regarding the decision to apply a more “microsurfacing” to roads rather than a more robust and conventional treatment, e.g. overlay of hot mix asphaltic concrete. It appears that the microsurface is only about ½” thick and an aesthetic fix that seals the roadway preventing water to penetrate the surface. A common rule of thumb in paving is that what’s on the bottom will show on the

top. If the structural section is failing, the finish section will fail as well. The best practice would be to repair the underlying road structural section before placement of the top “microsurfacing” layer. If the County only makes aesthetic “microsurfacing” treatments to its roads, this may not fix underlying substructure deficiencies. The District will not subsequently make structural repairs deferred by the County. Despite the County’s initiatives to enforce stricter policies and provisions, the District needs to be firm in its mission that we will repair and restore pavement only to its pre-existing condition.

FINANCIAL CONSIDERATIONS

None at this time.

Attachments: County Draft Paving Plan 2020-2024

Paving Schedule - 2020

Funding	Road Name	Begin Location	End Location	Length (ft)	Width (ft)	Area (sf)	FC	ST	Treatment	Est. Cost	
Microsurface											
SB1	Burson Road	Highway 26	Hillvale Drive	12250	20	245000	A	AC	Microsurface	\$ 163,333	
SB1	Comanche Pkwy S.	Burson	Keystone	4500	22	99000	A	AC	Microsurface	\$ 66,000	
SB1	Vista Del Lago	Highway 26	Hogan Dam	7400	24	177600	A	AC	Microsurface	\$ 118,400	
SB1	Murphys Grade Road	Angels City Limits	French Gulch	12600	30	378000	A	AC	Microsurface	\$ 252,000	
SB1	Copper Cove	Obyrnes Ferry Road	Little John	13400	24	321600	A	AC	Microsurface	\$ 214,400	
SB1	Parrotts Ferry	Main Street	Tuolumne County Line	21100	34	717400	A	AC	Microsurface	\$ 478,267	
SB1	Main Street (Vallecito)	Highway 4	Parrotts Ferry	5700	18	102600	A	AC	Microsurface	\$ 68,400	
SB1	Garner Place	Highway 26	Baldwin	6300	21	132300	R	AC	Microsurface	\$ 88,200	
SB1	Baldwin St	Jenny Lind	Highway 26	23500	21	493500	R	AC	Microsurface	\$ 329,000	
SB1	Kirby Street	Jenny Lind	Baldwin	3600	22	79200	R	AC	Microsurface	\$ 52,800	
SB1	Silver Rapids	Heney Lane	Hogan Dam Road	11000	24	264000	R	AC	Microsurface	\$ 176,000	
SB1	Hartvickson Lane	Vista Del Lago	Baldwin	15000	24	360000	R	AC	Microsurface	\$ 240,000	
SB1	Mann Street	Jenny Lind	Baldwin	2480	21	52080	R	AC	Microsurface	\$ 34,720	
SB1	Jenny Lind	Highway 26	Baldwin	8500	22	187000	A	AC	Microsurface	\$ 124,667	
Overlay or Cape Seal											
SB1	Burson Road	Highway 12	Hillvale Drive	12500	20	250000	A	AC	CIR w/ Cape Seal	\$ 796,815	
SB1	Burson Road	Highway 12	Comanche Pkwy S.	5800	20	116000	A	AC	CIR w/ Cape Seal	\$ 360,889	
										Total Microsurface	\$ 2,176,853.33
										Total CIR	\$ 1,157,703.89
										TOTAL	\$ 3,334,557.22
CSA 1											
CSA 1	Huckleberry Lane	Vista Del Lago	Silver Rapids	1795	21	37695	R	AC	Microsurface	\$ 25,130	
CSA 1	Bergsma Lane	Garner Plate	Baldwin Street	7000	18	126000	R	AC	Microsurface	\$ 84,000	
CSA 1	Gabor Street	Jenny Lind	Baldwin	6105	21	128205	R	AC	Microsurface	\$ 50,233	
CSA 1	BELL CT	MCATEE ST	CDS (N)						Microsurface	\$ 5,015	
CSA 1	BERKESEY LN	FARRIS LN	SILVER RAPIDS RD						Microsurface	\$ 91,307	
CSA 1	BLAKE LN	REED WY	LEWIS WY						Microsurface	\$ 16,038	
CSA 1	BROOKS LN	CDS (S)	EMEREFF LN						Microsurface	\$ 18,524	
CSA 1	CONNER DR	6991 CONNER DR (PRV	HARDING RD						Microsurface	\$ 54,511	
CSA 1	COX DR	RIPPON RD	MEYER LN						Microsurface	\$ 17,490	
CSA 1	DALE DR	DENNIS LN	HENEY LN						Microsurface	\$ 33,858	
CSA 1	DAVIDSON CT	THORNICROFT DR	CDS (NE)						Microsurface	\$ 8,213	
CSA 1	DRIVER RD	DRIVER CT	HWY 26						Microsurface	\$ 36,344	
CSA 1	EMEREFF LN	DANAHER DR	BROOKS LN						Microsurface	\$ 51,222	
CSA 1	FRIEDMAN WY	MITCHELL LN	HIRONYMOUS WY						Microsurface	\$ 16,687	
CSA 1	GEE LN	CDS (S)	BERKESEY LN						Microsurface	\$ 16,756	
CSA 1	GOGGIN ST	BALDWIN ST	REDMAN RD						Microsurface	\$ 10,489	

CSA 1	HAUTLY LN	HEDGPETH RD	SPARROWK RD	Microsurface	\$	40,596
CSA 1	HEDGPETH RD	BALDWIN ST	HAUTLY LN	Microsurface	\$	25,727
CSA 1	HIRONYMOUS CT	BERRYHILL DR	CDS (NW)	Microsurface	\$	14,080
CSA 1	JENNY LIND VISTA	CDS (S)	PARDINI PL	Microsurface	\$	25,950
CSA 1	JENSEN CT	HENEY LN	CDS (SE)	Microsurface	\$	26,400
CSA 1	MAIN ST	NOVE WY	JEAN ST	Microsurface	\$	55,333
CSA 1	MCCAULEY RD	CDS (S)	ANDERSON ST	Microsurface	\$	14,144
CSA 1	MCNEIL CT	GARNER PL	CDS (NE)	Microsurface	\$	17,900
CSA 1	MITCHELL CT	BERGSMA LN	CDS (N)	Microsurface	\$	4,165
CSA 1	MITCHELL LN	CRAIL WY	BERGSMA LN	Microsurface	\$	24,244
CSA 1	MONTERO RD	HONDA LN	SPARROWK RD	Microsurface	\$	34,364
CSA 1	REDMAN RD	MANN ST	MCATEE ST	Microsurface	\$	28,578
CSA 1	ROSS DR	BLAIR DR	DIDIER RD	Microsurface	\$	25,104
CSA 1	SCHMIDT PL	CDS (S)	USHER DR	Microsurface	\$	30,653
CSA 1	SIEGEL ST	HAUTLY LN	BUENA VISTA CT	Microsurface	\$	20,702
CSA 1	SPARROWK RD	WESTHILL RD	NALL ST	Microsurface	\$	7,476
CSA 1	STABULIS RD	CRAIL WY	BERGSMA LN	Microsurface	\$	18,168
CSA 1	THORNICROFT DR	DAVIDSON CT	COX DR (N)	Microsurface	\$	42,557
CSA 1	TREOSTI PL	USHER DR	BALDWIN ST	Microsurface	\$	64,437
CSA 1	WESTHILL RD	SPARROWK RD	ANDERSON ST	Microsurface	\$	58,924
			Various Roads TBD		\$	1,115,320

TOTAL ROAD IMPROVEMENTS \$ 4,679,210

Total Micro	\$	2,406,187
Total Cape Seal	\$	1,157,704
Total CSA	\$	1,115,320
Total Check	\$	4,679,210

Paving Schedule

2021 thru 2024

Year	Road Name	Begin Location	End Location	Length (ft)	Width (ft)	COST
2021	ANGELS RD	HWY 4 (W)	ANGELS RD (MERGE) (SE)	244	16	\$ 12,145.78
2021	ARROWHEAD ST	CHARM STONE WY	BOW DR (S)	1521	12	\$ 94,824.00
2021	DOGTOWN RD	GARDNER LN	2000FT N GARDNER LN	2002	20	\$ 725,758.00
2021	FELIX RD	ROCK CREEK RD	SALT SPRINGS VALLEY RD	1550	20	\$ 96,444.44
2021	FRENCH GULCH RD	2000FT NE LONE DOVE LN	3630FT NE LONE DOVE LN (WIDTH	1631	20	\$ 21,746.67
2021	HUNT RD	21690FT NE COYOTE RIDGE RD	LANFORD PACHEO RD	2410	18	\$ 28,920.00
2021	LITTLE JOHN RD	CDS (S)	MOCCASIN ST	2586	24	\$ 280,944.00
2021	MURPHYS GRADE RD	GARDNER LN	HWY 4 (OVERPASS)	1677	30	\$ 258,517.00
2021	OBYRNES FERRY RD	2200FT NW 7260 OBYRNES FERRY R	DUCHESS DR	2275	24	\$ 1,003,987.00
2021	RED HILL RD	440FT (RIGHT TURN) RED HILL RD	7588 RED HILL RD (PRV DW) (NW)	1922	15	\$ 180,226.67
2021	RED HILL RD	MOORE DR	6896 REDHILL RD (PRV DW) (W)	1940	15	\$ 43,481.33
2021	REEDS TURNPIKE	CATTLE DR	693 REEDS TURNPIKE (PRV DW) (N	568	24	\$ 9,088.00
2021	ROCK CREEK RD	2600FT E BRIDGE (SE)	5200FT E BRIDGE (SE)	2602	18	\$ 251,811.00
2021	SALT SPRINGS VALLEY RD	HUNT RD (SE)	AERO RD	498	18	\$ 26,892.00
2021	Miscellaneous Residential					\$ 300,000.00
2021	CSA 4 Miscellaneous					\$ 629,544.00
2021	CSA 8 Miscellaneous					\$ 59,509.00
2022	AVERY HOTEL RD	HWY 4	MORAN RD	688	28	\$ 59,932.44
2022	BIG TREES RD	MAIN ST	CREEKVIEW DR	1087	27	\$ 96,428.00
2022	BLAGEN RD	LONGMAN LN	1216 BALGEN RD (PRV DW) (S)	658	27	\$ 53,298.00
2022	BOARDS CROSSING RD	GARDNER FLAT RD	BLACK BART BL	508	24	\$ 12,192.00
2022	EL DORADO DR	GEORGEANN CT	GEORGEANN DR	250	22	\$ 17,111.11
2022	MAIN ST	CHURCH ST (W)	SHEEP RANCH RD	668	21	\$ 118,667.33
2022	MEKO DR	BLACKFOOT CR	MEKO DR (SPLIT) (SW OF SHOSHON	2225	24	\$ 158,771.33
2022	MEWUK LN	OTTAWA DR	BLACKFOOT CR	294	21	\$ 12,348.00
2022	MORAN RD	HWY 4 (S)	AVERY HOTEL RD	913	24	\$ 1,072,070.67
2022	PENNSYLVANIA GULCH RD	CHARDONNAY CT	WINGDAM RD	1523	22	\$ 657,100.00
2022	PINE DR	COUNTRY CLUB DR	FIFTH GREEN DR	2881	18	\$ 34,572.00
2022	SHEEP RANCH RD	MAIN ST	CHURCH ST	226	12	\$ 606,016.00
2022	SIERRA PY	INDIAN ROCK RD	750FT N INDIAN ROCK RD (UNPVD	753	21	\$ 49,196.00
2022	SIERRA PY	293FT NW IROQUOIS DR (N) (SPLI	HWY 4	308	33	\$ 6,776.00
2022	Miscellaneous Residential					\$ 300,000.00
2023	AVERY SHEEP RANCH RD	SHEEP RANCH RD (S & N ENDS)	AVERY SHEEP RANCH RD (MERGE) (391	12	\$ 63,717.33
2023	BALD MOUNTAIN RD	EGANHOFF LN	CAMPO FLORES LN	1133	21	\$ 786,221.33
2023	CALAVERITAS RD	7320FT NW OLD GULCH RD (PRV DW	10110FT NW OLD GULCH RD (PRV D	2791	20	\$ 37,213.33
2023	DOGTOWN RD	SAN DOMINGO RD	2600FT N SAN DOMINGO RD	2602	16	\$ 447,751.11
2023	FRICOT CITY RD	960FT 10400 FRICOT CITY RD (WI	1570FT 10400 FRICOT CITY RD (W	611	20	\$ 38,017.78

Year	Street ID	Section ID	Road Name	Begin Location	End Location	Length (ft)	Width (ft)	Area (sf)	FC	ST	Treatment	Est. Cost	Area ID
2020	BELLCT	0010	BELL CT	MCATEE ST	CDS (N)	295	18	5310	R	AC	CRACK SEAL & MICROSURFACING	\$ 5,015	5 - DISTRICT 5
2020	BERGSM LN	0020	BERGSMA LN	MITCHELL LN	STABULIS RD	2298	18	41364	R	AC	CHIP SEAL	\$ 27,576	5 - DISTRICT 5
2020	BERGSM LN	0030	BERGSMA LN	STABULIS RD	MCCAULEY RD	1326	18	23868	R	AC	BASE REPAIR & MICROSURFACING	\$ 29,172	5 - DISTRICT 5
2020	BRKSYLN	0030	BERKESEY LN	FARRIS LN	HEINEMANN LN	2404	20	48080	R	AC	CHIP SEAL	\$ 32,053	5 - DISTRICT 5
2020	BRKSYLN	0040	BERKESEY LN	HEINEMANN LN	SILVER RAPIDS RD	2424	20	48480	R	AC	BASE REPAIR & MICROSURFACING	\$ 59,253	5 - DISTRICT 5
2020	BLAKELN	0020	BLAKE LN	REED WY	LEWIS WY	729	18	13122	R	AC	BASE REPAIR & MICROSURFACING	\$ 16,038	5 - DISTRICT 5
2020	BROOKSLN	0010	BROOKS LN	CDS (S)	EMEREFF LN	842	18	15156	R	AC	BASE REPAIR & MICROSURFACING	\$ 18,524	5 - DISTRICT 5
2020	CONNERDR	0020	CONNER DR	6991 CONNER DR (PRV DW) (S)	HARDING RD	2230	20	44600	R	AC	BASE REPAIR & MICROSURFACING	\$ 54,511	5 - DISTRICT 5
2020	COXDR	0050	COX DR	RIPPON RD	MEYER LN	795	18	14310	R	AC	BASE REPAIR & MICROSURFACING	\$ 17,490	5 - DISTRICT 5
2020	DALEDR	0010	DALE DR	DENNIS LN	HENEY LN	1539	18	27702	R	AC	BASE REPAIR & MICROSURFACING	\$ 33,858	5 - DISTRICT 5
2020	DAVDSNCT	0010	DAVIDSON CT	THORNICROFT DR	CDS (NE)	336	20	6720	R	AC	BASE REPAIR & MICROSURFACING	\$ 8,213	5 - DISTRICT 5
2020	DRIVERRD	0020	DRIVER RD	DRIVER CT	HWY 26	1239	24	29736	R	AC	BASE REPAIR & MICROSURFACING	\$ 36,344	5 - DISTRICT 5
2020	EMRFFLN	0010	EMEREFF LN	DANAHER DR	LEARY CT	1846	20	36920	R	AC	CRACK SEAL & MICROSURFACING	\$ 34,869	5 - DISTRICT 5
2020	EMRFFLN	0020	EMEREFF LN	LEARY CT	BROOKS LN	669	20	13380	R	AC	BASE REPAIR & MICROSURFACING	\$ 16,353	5 - DISTRICT 5
2020	FRDMANWY	0010	FRIEDMAN WY	MITCHELL LN	GARNER PL	575	18	10350	R	AC	CRACK SEAL & MICROSURFACING	\$ 9,775	5 - DISTRICT 5
2020	FRDMANWY	0020	FRIEDMAN WY	GARNER PL	HIRONYMOUS WY	576	18	10368	R	AC	CHIP SEAL	\$ 6,912	5 - DISTRICT 5
2020	GABORST	0010	GABOR ST	JENNY LIND RD	CASSIDY RD	2055	20	41100	R	AC	BASE REPAIR & MICROSURFACING	\$ 50,233	5 - DISTRICT 5
2020	GEELN	0010	GEE LN	CDS (S)	BERKESEY LN	377	16	6032	R	AC	CIR w/Cape Seal	\$ 16,756	5 - DISTRICT 5
2020	GOGGINST	0010	GOGGIN ST	BALDWIN ST	REDMAN RD	617	18	11106	R	AC	CRACK SEAL & MICROSURFACING	\$ 10,489	5 - DISTRICT 5
2020	HAUTLYLN	0010	HAUTLY LN	HEDGPETH RD	SPARROWK RD	2388	18	42984	R	AC	CRACK SEAL & MICROSURFACING	\$ 40,596	5 - DISTRICT 5
2020	HDGPTHRD	0010	HEDGPETH RD	BALDWIN ST	CROTTY WY	663	20	13260	R	AC	CRACK SEAL & MICROSURFACING	\$ 12,523	5 - DISTRICT 5
2020	HDGPTHRD	0020	HEDGPETH RD	CROTTY WY	HAUTLY LN	699	20	13980	R	AC	CRACK SEAL & MICROSURFACING	\$ 13,203	5 - DISTRICT 5
2020	HRNYMSCCT	0010	HIRONYMOUS CT	BERRYHILL DR	CDS (NW)	640	18	11520	R	AC	BASE REPAIR & MICROSURFACING	\$ 14,080	5 - DISTRICT 5
2020	JNYLNDVI	0010	JENNY LIND VISTA	CDS (S)	PARDINI PL	519	18	9342	R	AC	CIR w/Cape Seal	\$ 25,950	5 - DISTRICT 5
2020	JENSENCT	0010	JENSEN CT	HENEY LN	CDS (SE)	1200	18	21600	R	AC	BASE REPAIR & MICROSURFACING	\$ 26,400	5 - DISTRICT 5
2020	MAINST	0100	MAIN ST	NOVE WY	JEAN ST	830	24	19920	R	AC	CIR w/Cape Seal	\$ 55,333	1 - DISTRICT 1
2020	MCCALYRD	0010	MCCAULEY RD	CDS (S)	ANDERSON ST	832	18	14976	R	AC	CRACK SEAL & MICROSURFACING	\$ 14,144	5 - DISTRICT 5
2020	MCNEILCT	0010	MCNEIL CT	GARNER PL	CDS (NE)	358	18	6444	R	AC	CIR w/Cape Seal	\$ 17,900	5 - DISTRICT 5
2020	MTCHLLCT	0010	MITCHELL CT	BERGSMA LN	CDS (N)	245	18	4410	R	AC	CRACK SEAL & MICROSURFACING	\$ 4,165	5 - DISTRICT 5
2020	MTCHLLLN	0020	MITCHELL LN	CRAIL WY	BERGSMA LN	1102	18	19836	R	AC	BASE REPAIR & MICROSURFACING	\$ 24,244	5 - DISTRICT 5
2020	MONTRORD	0020	MONTERO RD	HONDA LN	SPARROWK RD	1562	18	28116	R	AC	BASE REPAIR & MICROSURFACING	\$ 34,364	5 - DISTRICT 5
2020	REDMANRD	0010	REDMAN RD	MANN ST	O RIELLY ST	1299	18	23382	R	AC	BASE REPAIR & MICROSURFACING	\$ 28,578	5 - DISTRICT 5
2020	REDMANRD	0040	REDMAN RD	WATTS DR	MCATEE ST	680	18	12240	R	AC	CHIP SEAL	\$ 8,160	5 - DISTRICT 5
2020	ROSSDR	0030	ROSS DR	BLAIR DR	DIDIER RD	1027	20	20540	R	AC	BASE REPAIR & MICROSURFACING	\$ 25,104	1 - DISTRICT 1
2020	SCHMDTPL	0010	SCHMIDT PL	CDS (S)	USHER DR	1254	20	25080	R	AC	BASE REPAIR & MICROSURFACING	\$ 30,653	5 - DISTRICT 5
2020	SIEGELST	0040	SIEGEL ST	HAUTLY LN	BUENA VISTA CT	941	18	16938	R	AC	BASE REPAIR & MICROSURFACING	\$ 20,702	5 - DISTRICT 5
2020	SPRRWKRD	0070	SPARROWK RD	WESTHILL RD	NALL ST	623	18	11214	R	AC	CHIP SEAL	\$ 7,476	5 - DISTRICT 5
2020	STABLSRD	0040	STABULIS RD	CRAIL WY	BERGSMA LN	1514	18	27252	R	AC	CHIP SEAL	\$ 18,168	5 - DISTRICT 5
2020	THRCRFDR	0020	THORNICROFT DR	DAVIDSON CT	COX DR (N)	2253	20	45060	R	AC	CRACK SEAL & MICROSURFACING	\$ 42,557	5 - DISTRICT 5
2020	TROSTIPL	0010	TREOSTI PL	USHER DR	BALDWIN ST	903	18	16254	R	AC	CRACK SEAL & MICROSURFACING	\$ 15,351	5 - DISTRICT 5
2020	TROSTIPL	0040	TREOSTI PL	BERGSMA LN	5333 TREOSTI PL (FH)	2064	18	37152	R	AC	BASE REPAIR & MICROSURFACING	\$ 45,408	5 - DISTRICT 5
2020	TROSTIPL	0060	TREOSTI PL	4928 TREOSTI PL (FH)	BALDWIN ST	1160	18	20880	R	AC	CRACK SEAL & MICROSURFACING	\$ 19,720	5 - DISTRICT 5
2020	WSTHLLRD	0010	WESTHILL RD	SPARROWK RD	NALL ST	2367	18	42606	R	AC	BASE REPAIR & MICROSURFACING	\$ 52,074	5 - DISTRICT 5
2020	WSTHLLRD	0030	WESTHILL RD	MCATEE ST	SPARROWK RD	1080	18	19440	R	AC	BASE REPAIR & MICROSURFACING	\$ 23,760	5 - DISTRICT 5
2020	WSTHLLRD	0040	WESTHILL RD	SPARROWK RD	ANDERSON ST	1135	18	20430	R	AC	BASE REPAIR & MICROSURFACING	\$ 24,970	5 - DISTRICT 5
2020	WSTHLLRD	0050	WESTHILL RD	ANDERSON ST	GARNER PL	1510	18	27180	R	AC	CHIP SEAL	\$ 18,120	5 - DISTRICT 5
2024	DAVDSNCT	0010	DAVIDSON CT	THORNICROFT DR	CDS (NE)	336	20	6720	R	AC	BASE REPAIR & MICROSURFACING	\$ 8,213	5 - DISTRICT 5
2024	DRIVERRD	0020	DRIVER RD	DRIVER CT	HWY 26	1239	24	29736	R	AC	BASE REPAIR & MICROSURFACING	\$ 36,344	5 - DISTRICT 5
2024	FARRISLN	0010	FARRIS LN	HWY 26	BERKESEY LN	325	22	7150	R	AC	BASE REPAIR & MICROSURFACING	\$ 8,739	5 - DISTRICT 5
2024	HRNYMSCCT	0010	HIRONYMOUS CT	BERRYHILL DR	CDS (NW)	640	18	11520	R	AC	BASE REPAIR & MICROSURFACING	\$ 14,080	5 - DISTRICT 5
2024	SCHMDTPL	0010	SCHMIDT PL	CDS (S)	USHER DR	1254	20	25080	R	AC	BASE REPAIR & MICROSURFACING	\$ 30,653	5 - DISTRICT 5
2024	SIEGELST	0040	SIEGEL ST	HAUTLY LN	BUENA VISTA CT	941	18	16938	R	AC	BASE REPAIR & MICROSURFACING	\$ 20,702	5 - DISTRICT 5
2024	BERGSM LN	0040	BERGSMA LN	MCCAULEY RD	TREOSTI PL (W)	1223	18	22014	R	AC	CHIP SEAL	\$ 14,676	5 - DISTRICT 5
2024	BROOKSRD	0020	BROOKS RD	BROOKS RD	HARTVICKSON LN	558	18	10044	R	AC	CHIP SEAL	\$ 6,696	5 - DISTRICT 5
2024	HRNYMSWY	0020	HIRONYMOUS WY	COULTRUP LN	BERRYHILL DR	614	18	11052	R	AC	CHIP SEAL	\$ 7,368	5 - DISTRICT 5
2024	NALLST	0010	NALL ST	WESTHILL RD	SPARROWK RD	1974	18	35532	R	AC	CHIP SEAL	\$ 23,688	5 - DISTRICT 5
2024	BLDWINLN	0010	BALDWIN LN	BERKESEY LN	HWY 26	1027	18	18486	R	AC	CRACK SEAL & MICROSURFACING	\$ 17,459	5 - DISTRICT 5


2024	EMRFFLN	0010	EMEREFF LN	DANAHER DR	LEARY CT	1846	20	36920	R	AC	CRACK SEAL & MICROSURFACING	\$	34,869	5 - DISTRICT 5
2024	FRDMANWY	0010	FRIEDMAN WY	MITCHELL LN	GARNER PL	575	18	10350	R	AC	CRACK SEAL & MICROSURFACING	\$	9,775	5 - DISTRICT 5
2024	MCATEEST	0010	MCATEE ST	O RIELLY ST	OWENS WY	546	20	10920	R	AC	CRACK SEAL & MICROSURFACING	\$	10,313	5 - DISTRICT 5
2024	MCCALYRD	0050	MCCAULEY RD	BALDWIN ST	6368 MCCAULEY RD (UTLP)	1719	18	30942	R	AC	CRACK SEAL & MICROSURFACING	\$	29,223	5 - DISTRICT 5
2024	TROSTIPL	0020	TREOSTI PL	BALDWIN ST	6020 TREOSTI PL (FH)	1205	18	21690	R	AC	CRACK SEAL & MICROSURFACING	\$	20,485	5 - DISTRICT 5
2024	CRAILWY	0020	CRAIL WY	MITCHELL LN	STABILIS RD	1210	18	21780	R	AC	CIR w/Cape Seal	\$	60,500	5 - DISTRICT 5
2024	GREERWY	0010	GREER WY	CDS (SW)	SPARROWK RD	1488	18	26784	R	AC	CIR w/Cape Seal	\$	74,400	5 - DISTRICT 5
2024	ORILLYST	0010	O RIELLY ST	REDMAN RD	CROSBY CT	836	20	16720	R	AC	CIR w/Cape Seal	\$	46,444	5 - DISTRICT 5
2024	ROBRTSRD	0010	ROBERTS RD	KIRBY ST	GABOR ST	514	18	9252	R	AC	CIR w/Cape Seal	\$	25,700	5 - DISTRICT 5
2024	BROOKSLN	0020	BROOKS LN	EMEREFF LN	ROSS DR	1426	18	25668	R	AC	BASE REPAIR & MICROSURFACING	\$	31,372	5 - DISTRICT 5
2024	SPRRWKRD	0060	SPARROWK RD	HEDGPETH RD	WESTHILL RD	664	18	11952	R	AC	BASE REPAIR & MICROSURFACING	\$	14,608	5 - DISTRICT 5
2024	BLAKELN	0030	BLAKE LN	LEWIS WY	BERKESEY DR (N)	1187	18	21366	R	AC	CHIP SEAL	\$	14,244	5 - DISTRICT 5
2024	BRKSYLN	0020	BERKESEY LN	WHITE RD	FARRIS LN	2574	20	51480	R	AC	CHIP SEAL	\$	34,320	5 - DISTRICT 5
2024	MCATEEST	0050	MCATEE ST	BALDWIN ST	WESTHILL RD	630	20	12600	R	AC	CHIP SEAL	\$	8,400	5 - DISTRICT 5
2024	USHERDR	0040	USHER DR	SCHMIDT PL	BALDWIN ST	1213	20	24260	R	AC	CHIP SEAL	\$	16,173	5 - DISTRICT 5
2024	BELLCT	0010	BELL CT	MCATEE ST	CDS (N)	295	18	5310	R	AC	CRACK SEAL & MICROSURFACING	\$	5,015	5 - DISTRICT 5
2024	GOGGINST	0010	GOGGIN ST	BALDWIN ST	REDMAN RD	617	18	11106	R	AC	CRACK SEAL & MICROSURFACING	\$	10,489	5 - DISTRICT 5
2024	HAUTLYLN	0010	HAUTLY LN	HEDGPETH RD	SPARROWK RD	2388	18	42984	R	AC	CRACK SEAL & MICROSURFACING	\$	40,596	5 - DISTRICT 5
2024	HRNYMSWY	0010	HIRONYMOUS WY	FRIEDMAN WY	COULTRUP LN	765	18	13770	R	AC	CRACK SEAL & MICROSURFACING	\$	13,005	5 - DISTRICT 5
2024	MCCALYRD	0010	MCCAULEY RD	CDS (S)	ANDERSON ST	832	18	14976	R	AC	CRACK SEAL & MICROSURFACING	\$	14,144	5 - DISTRICT 5
2024	MITCHLLCT	0010	MITCHELL CT	BERGSM LN	CDS (N)	245	18	4410	R	AC	CRACK SEAL & MICROSURFACING	\$	4,165	5 - DISTRICT 5
2024	RICKYCT	0010	RICKY CT	CDS (SW)	CASSIDY RD	1219	20	24380	R	AC	CRACK SEAL & MICROSURFACING	\$	23,026	5 - DISTRICT 5
2024	TROSTIPL	0060	TREOSTI PL	4928 TREOSTI PL (FH)	BALDWIN ST	1160	18	20880	R	AC	CRACK SEAL & MICROSURFACING	\$	19,720	5 - DISTRICT 5
2024	USHERDR	0020	USHER DR	TREOSTI PL	HARDING RD	1248	20	24960	R	AC	CRACK SEAL & MICROSURFACING	\$	23,573	5 - DISTRICT 5
2024	WSTHLLRD	0060	WESTHILL RD	GARNER PL	MCCAULEY RD	1885	18	33930	R	AC	CRACK SEAL & MICROSURFACING	\$	32,045	5 - DISTRICT 5
2024	BANERD	0010	BANE RD	COX DR (W)	COX DR (E)	979	18	17622	R	AC	CIR w/Cape Seal	\$	48,950	5 - DISTRICT 5
2024	DRIVERCT	0010	DRIVER CT	DRIVER RD	CDS (SE)	410	16	6560	R	AC	CIR w/Cape Seal	\$	18,222	5 - DISTRICT 5
2024	HAUTLYLN	0030	HAUTLY LN	SIEGEL ST	CDS (E)	448	18	8064	R	AC	CIR w/Cape Seal	\$	22,400	5 - DISTRICT 5
2024	MATSMCT	0010	MATSUMOTO CT	CDS (S)	MANN ST	374	20	7480	R	AC	CIR w/Cape Seal	\$	20,778	5 - DISTRICT 5
2024	POLOCKCT	0010	POLLOCK CT	MITCHELL LN	CDS (NE)	758	18	13644	R	AC	CIR w/Cape Seal	\$	37,900	5 - DISTRICT 5
2024	PSTRLLCT	0010	PASTORELLO CT	CDS (S)	FRIEDMAN WY	359	18	6462	R	AC	CIR w/Cape Seal	\$	17,950	5 - DISTRICT 5

\$ 971,423

Agenda Item

DATE: January 14, 2020

TO: Michael Minkler, General Manager
Charles Palmer, District Engineer

FROM: Bob Godwin, P.E., Senior Civil Engineer 

RE: Engineering Committee Presentation for the La Contenta Wastewater Service Area, District 1 and District 5

SUMMARY

This agenda item, a staff presentation for the Engineering Committee, concerns wastewater service for the La Contenta community, the La Contenta Wastewater Reclamation Facility and the Huckleberry Lift Station. The discharge forcemain will be the primary focus. The presentation will cover the following topics:

- Overview of District wastewater service throughout the County.
- 2010-2060 Population Projections by the California Department of Finance.
- District wastewater capacity design standards and current flowrates.
- Wastewater treatment capacity and effluent storage capacity.
- Irrigation and reclamation demand of the La Contenta Golf Course.
- *January 2018 La Contenta Wastewater Master Plan* recommended improvements.
- Huckleberry Lift Station and forcemain hydraulic capacity.
- Regional Board permit requirements and potential future regulations.
- Engineering Department staff activities associated with the La Contenta service area.

FINANCIAL CONSIDERATIONS

None at this time.

Agenda Item

DATE: January 14, 2020

TO: Engineering Committee
Michael Minkler, General Manager

FROM: Charles Palmer, District Engineer

RE: Presentation / Discussion of Assessment District (AD) 604
Background Information and Current Status

SUMMARY

The assessment district AD 604 was formed between 1986 and 1991 with the objective of providing bond revenue to fund construction of new water and wastewater infrastructure for New Hogan and La Contenta regional development. The total assessment amount was \$9.7 million including \$2.6 million for water and \$7.1 million for sewer/wastewater projects. The costs were assessed according to equivalent single family units (esfu) including 1538 esfu water assessments allotted to 53 parcels and 1541 esfu sewer assessments allotted to 36 parcels. CCWD paid \$1,192,460 towards construction costs to account for sewer customers (753 esfu) within the pre-existing La Contenta subdivision. Given recent concerns that the wastewater infrastructure has limited reserve capacity, the remainder of this agenda item focuses on the wastewater assessments.

ITEM	WATER	SEWER
Construction	\$ 1,921,031	\$ 5,341,907
Bond Costs	\$ 325,197	\$ 904,290
Incidental Expenses	\$ 326,000	\$ 906,525
TOTALS	\$ 2,572,228	\$ 7,152,722
ESFU's	1538	1541
Cost/ESFU	\$1,672	\$4,642

The attached map shows the distribution of developed versus undeveloped parcels within AD 604. To date only 547 esfu's or 35% of the sewer assessments within AD 604 have been put to beneficial use; Primarily 106 esfu's for New Hogan Lake Estates and 389 esfu's for Gold Creek Estates. The balance of 994 esfu's or 65% of the sewer assessments have not been used.

As of July 1991, AD 604 bonds revenues of \$5,341,907 and CCWD contributions of \$1,192,460 provided a total of \$6,534,367 for construction of sewer and wastewater infrastructure to serve New Hogan and La Contenta regional development. Said construction of sewer and wastewater infrastructure completed by 1993 included the following:

PROJECT COMPONENT	CONSTRUCTION COST
12" Force Main (Huckleberry Lift Station to Wastewater Treatment Plant)	\$ 492,480
8", 10", 12" and 15" Gravity Sewer Trunk Mains from Valley Springs to Huckleberry Lift Station	\$ 1,510,887
Huckleberry Lift Station & Lift Station #1	\$ 687,320
Wastewater Treatment Plant	\$ 2,667,350
Upper and Lower Effluent Storage Ponds and Effluent Pipelines to Golf Course	\$ 1,176,330
TOTAL	\$ 6,534,367

When a majority of the property owners failed to pay their assessments, there was no money to repay bond holders. On property tax payments, the assessment delinquencies averaged 75% per year from the first year 12/10/92 forward through 12/10/02. A bond default occurred when a 3/2/1996 scheduled payment was not made. CCWD had no contractual obligation to advance its own funds toward the payment of principal and interest to bond owners. As a result, nineteen parcels were eventually foreclosed upon, and multiple Sheriff's sales of delinquent parcels took place between 2001 and 2003. Money raised from the Sheriff's sales were distributed to bond owners.

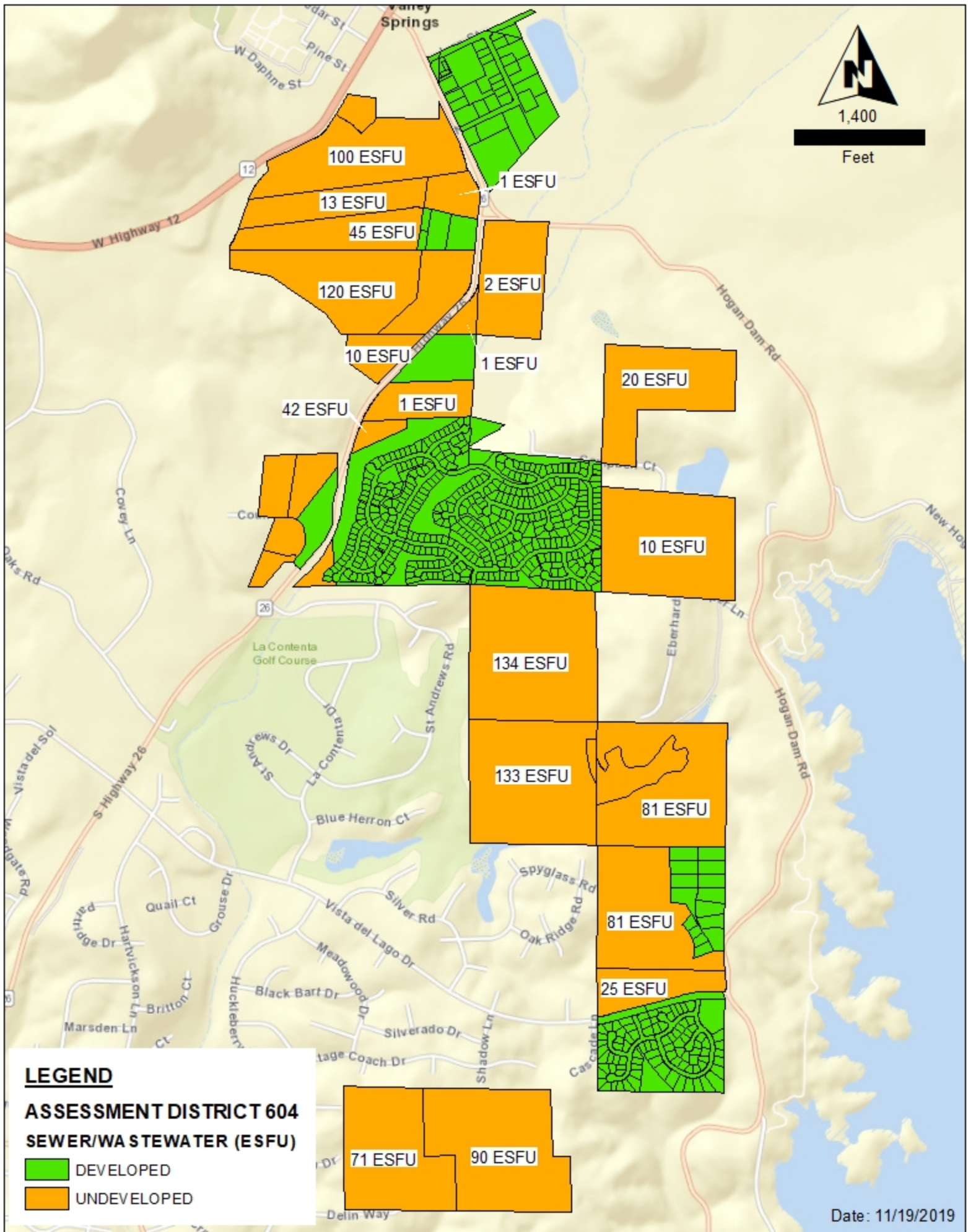
The Calaveras County Water District New Hogan/La Contenta Facilities Plan, 2005 Update prepared by ECO:LOGIC Engineering is the basis of current wastewater capacity fees and provides for a credit for customers within AD 604. A summary of the previous capacity fee analysis performed by Bartle Wells Associates is provided in attached Tables 6-5 and 6-6. In 1992, the original assessment amount was approximately \$4,496 per esfu or single family home. To account for changes in the economy and inflation of construction costs including labor, equipment and material, the capacity fees are escalated annual each July by the Engineering News Record Construction Cost Index (ENRCCI). In ECO:LOGIC's capacity fee analysis, it was decided to escalate the amount of the AD 604 credit. The credit was initially escalated to \$5,830 in the original analysis and currently in FY2019-20 the credit is \$8,270. The District's current sewer capacity fee for parcels outside AD604 is \$20,006. After applying a credit of \$8,270 per esfu, the sewer capacity fee inside AD604 is \$11,736.

**LA CONTENTA WASTEWATER
CAPACITY CHARGE**

ITEM	YEAR		
	2003	2005	2019
Standard Fee / Outside AD 604	\$14,100	\$15,750	\$20,006
Credit / Inside AD 604	(\$ 5,830)	(\$ 6,460)	(\$ 8,270)
Adjusted Fee / Inside AD 604	\$ 8,270	\$ 9,290	\$11,736
ENRCCI	6600	7308	11,186

FINANCIAL CONSIDERATIONS

CCWD completed a new update to the La Contenta Wastewater System Master Plan adopted by the Board on December 13, 2017. In the near future staff will be preparing a request for proposals (RFP) to retain a financial consultant to perform an analysis to update capacity fees for the La Contenta wastewater system along with similar analyses for other service areas. Staff will be looking for direction on how to address credits for AD 604 moving forward. A consideration is that the AD604 facilities are aging and due to wear and tear are depreciating in value over a 40 to 50 year lifecycle.



**Table 6-5
Calaveras County Water District
Capacity Charge Based on Marginal Cost of Capacity**

Facility	Units Served	Costs	Costs Allocated to Future Users	Costs Allocated to Current Users
Existing Facilities (1)				
Replacement value (including in-tract facilities)		\$11,214,000		
Less: in-tract facilities		<u>1,190,000</u>		
Net replacement value		10,024,000		
Facilities planning and engineering		<u>120,000</u>		
Total net replacement value	1,777	10,144,000		
Less: value of currently used capacity	637	<u>3,636,000</u>		
Value of facilities available for future capacity			6,508,000	
Future units (1,777 - 637)	1,140			
Future Expansions and Improvements				
Phase 1A (facilities sized for 866 ESFUs)	866	1,300,000	344,000	956,000
Phase 1B	671	762,000	39,000	723,000
Phase 2 - expansion		1,174,000	1,174,000	0
Phase 3 - expansion		3,209,000	3,209,000	0
Phase 4 - expansion		<u>4,840,000</u>	<u>4,840,000</u>	<u>0</u>
Total future facilities	1,777	11,285,000	9,606,000	1,679,000
Total cost allocated to current users (2)				\$1,679,000
Total cost allocated to future users	1,140		\$16,114,000	
Total unit cost per future ESFU (3)			\$14,100	

Source: Prepared by Bartle Wells Associates

1 - Based on replacement costs prepared by District and ECO:LOGIC. See Table 6-4

2 - Current user's existing facilities already funded; \$1,420,000 (Phase 1A and engr & planning) from reserves; additional \$200,000 in reserves available. Remaining \$59,000 funded from regulatory compliance service charge.

3 - Based on ENR 20-Cities CCI of 6600. Charge adjusted annually by the change in the Index.

Table 6-6 outlines how the proposed capacity charge would be levied. Currently connected customers would pay no capacity charge. Their share of capital costs would be funded by a combination of a recommended new capital improvement service charge and from District reserves, which they funded.

**Table 6-6
Calaveras County Water District
Proposed Capacity Charge Schedule**

User Class	2003/04 Proposed Charge
Connected customers (from service charges)	\$0 (1)
Unconnected current with assessments	\$8,270 (2)
Unconnected outside of assessment district	\$14,100 (3)

Source: Prepared by Bartle Wells Associates

- 1 - Users who are current with their assessments have not paid the full value of the capacity required to provide them with service. For currently connected users, CCWD reserves and future service charges will fund their remaining allocated costs.
- 2 - Vacant properties current with their assessments will be charged the full capacity charge less the original value of their sewer assessment, \$4,496, adjusted by the ENR index to a present value of \$5,830.

Properties delinquent with their assessments must pay up delinquencies and pay the same charge as others current with assessments.
- 3 - Customers who are outside of the assessment district will pay the full capacity charge.

Unconnected properties that are current with their assessments would pay the recommended capacity charge less a credit for the present value of their original assessment. These properties would receive a current credit of \$5,830 off the recommended \$14,100 capacity charge.

The District needs major amounts of capital for the required improvement program. The most equitable source of this capital is ultimately from those benefiting from the facilities. Any reductions of the capacity charge or additional credit for prior assessments means that capital is required from some other source. Even borrowing will require that the District demonstrate a willingness to implement revenue sources. Because of this critical need for capital, the District needs to uniformly collect capacity charges from all new connections to the system.

The following general rules should apply to credits for new connections from assessed properties that are current with their assessments. The assessment credit would generally apply only to the property assessed, however, the District may develop a policy to allow credit transfers to another property within AD 604 for fully paid assessments. A property with multiple unit assessments is entitled to a credit for each unit, however, multiple credits could not apply to further reduce or eliminate the capacity charge if fewer units connect.