



CAMBRIA COMMUNITY SERVICES DISTRICT

MEETING	TIME & DATE	LOCATION
Resources & Infrastructure Committee	2:00 PM Monday, August 12, 2024	Cambria Veterans' Memorial Hall 1000 Main Street, Cambria, CA 93428

AGENDA

Regular Resources & Infrastructure Committee Meeting

Monday, August 12, 2024 2:00 PM

In person at:

**Cambria Veterans' Memorial Hall
1000 Main Street, Cambria, CA 93428**

AND via Zoom at:

Please click the link to join the webinar: [HERE](#)

Webinar ID: 833 8243 8369

Passcode: 090720

Copies of the staff reports or other documentation relating to each item of business referred to on the agenda are on file in the CCSD Administration Office, available for public inspection during District business hours. The agenda and agenda packets are also available on the CCSD website at <https://www.cambriacsd.org/>. In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting or if you need the agenda or other documents in the agenda packet provided in an alternative format, contact the Confidential Administrative Assistant at 805-927-6223 at least 48 hours before the meeting to ensure that reasonable arrangements can be made. The Confidential Administrative Assistant will answer any questions regarding the agenda.

1. OPENING

1.A Call to Order

1.B Establishment of Quorum

1.C Chair Report

1.D Ad Hoc Subcommittee Report(s)

1.E Committee Member Communications

1.F Utilities Department Manager Report

2. 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.

3. CONSENT AGENDA

3.A Consideration to Approve the July 15, Special Meeting Minutes

4. REGULAR BUSINESS

4.A Receive a Presentation from San Luis Obispo County Air Pollution Control District Regarding Fast Chargers and Provide Recommendations to the CCSD Board of Directors

4.B Receive and Discuss Report on Geophysical Mapping Options

4.C Receive Update from Staff Regarding San Simeon Stream Gage Relocation

5. FUTURE AGENDA ITEM(S)

6. ADJOURN



CAMBRIA COMMUNITY SERVICES DISTRICT

MINUTES OF JULY 15, 2024, SPECIAL RESOURCES & INFRASTRUCTURE COMMITTEE MEETING OF THE CAMBRIA COMMUNITY SERVICES DISTRICT

A special meeting of the Resources & Infrastructure Committee of the Cambria Community Services District was held at the Cambria Veterans' Memorial Hall, located at 1000 Main Street, Cambria, CA 93428, on Monday, July 15, 2024, at 2:00 PM

1. OPENING

1.A Call to Order

Chairperson Dean called the meeting to order at 2:00 pm

1.B Establishment of Quorum

A quorum was established.

Committee members present: Karen Dean, Steve Siebuhr, Derrik Williams, and Dennis Dudzik. Committee members absent: Jim Webb and Mark Meeks

Staff present: General Manager Matthew McElhenie, Confidential Administrative Assistant Haley Dodson, Utilities Department Manager Jim Green, Program Manager Tristan Reaper, Water Systems Superintendent Cody Meeks, Administrative Technician Eric Johnson, and Administrative Department Manager Denise Fritz (remote).

Others present: Board members Harry Farmer and Michael Thomas (remote). Public members Allan Dean, Chris Siebuhr, Crosby and Laura Swartz (remote).

1.C Chair Report (Time: 2:00)

Chairperson Dean reported the following Board of Directors actions

- On May 16 the Board approved a resolution for financing the water meter upgrades
- On June 13 the Board adopted a resolution for the third adjustment on water and wastewater rates
- On June 13 the Board directed staff to advertise for the vacant Resources and Infrastructure Committee seat
- On June 13 the Board adopted the climate change recommendations from the Resources and Infrastructure Committee with minor edits and forwarded the recommendations to the Policy Committee
- On June 20 the Board adopted a resolution to consolidate the Board election with the November 5 general election

- On June 20 the Board held a public hearing on the draft project description for the WRF Coastal Development Permit and approved submitting it to the County
- On June 20 the Board held a hearing on the fuel reduction program
- On July 11 the Board interviewed candidates for the vacant Resources and Infrastructure Committee seat and selected Dennis Dudzik
- On July 11 the Board voted to extend the Intent to Serve for the Peoples Self Help Housing project on Schoolhouse Lane
- On July 11 the Board reviewed the County-wide evacuation plan
- On July 11 the Board approved the settlement agreement between CCSD and Coast Union School District for permanent access to well SR#4

General Manager McElhenie announced that the Climate Adaptation grant for climate resiliency that the District applied for has been cancelled by the state due to budget shortfalls.

1.D Ad Hoc Subcommittee Report(s) (Time: 2:02)

Committee Member Williams reported that CCSD staff provided locations and GIS files of two potential sites for geophysical investigations. Committee Member Williams visited the sites and took pictures. He provided the site pictures and GIS files to Geophysical Imaging Consultants for an assessment of the practicality and cost of running geophysical surveys.

Chairperson Dean reported that committee member Meeks continues to investigate the solar hydro-panels.

1.E Committee Member Communications (Time: 2:05)

Committee member Dudzik introduced himself to the committee.

1.F Utilities Department Manager Report

- **Wastewater Treatment Plant SST Program (Time: 2:06)**
The construction trailers are on site. There have been some delay in scheduling plumbing contractors. The District hopes to break ground in mid-August.
- **Water meter replacement (2:08)**
The end points and registers have been received, and staff will start installing these this week. This will be done in parallel with the lead and copper compliance reporting. The District is looking to hire temporary employees to supplement staff for the meter installations.
- **Skate Park. (Time: 2:10)**
The cultural resources report has been approved. The construction permitting will begin soon.

- **East Park Restroom. (Time: 2:11)**

The restroom will be delivered in late January. The site preparation will begin in early January

- **San Simeon well #3. (Time: 2:12)**

The new pump has been installed and the well is fully operational. The well now has full time monitoring of pumping and static water levels. The District is waiting on the Variable Frequency Drive (VFD).

Public Comment

None

2. PUBLIC COMMENT ON AGENDA ITEMS (Time: 2:06)

Chairperson Dean noted that this is a special meeting and public comments are limited to the items on the agenda. Chairperson Dean will take public comment during each agenda item.

3. CONSENT AGENDA (Time: 2:14)

3.A Consideration to Approve the May 13, 2024 Regular Meeting Minutes

Chairperson Dean provided three corrections to the May 13 draft meeting minutes

- Allan Dean's name is misspelled
- On page 3, Committee Member Meeks name is misspelled
- On page 3, Ms. Heinrichs is listed as My Heinrichs

Committee Member Dudzik moved to approve the minutes as modified.

Committee Member Siebuhr seconded the motion.

The motion was approved: 3-Ayes; 0-Nays; 0-Abstain; 2-Absent (Meeks and Webb)

4. REGULAR BUSINESS

4.A Receive and Discuss Information Update on Stuart Street Tanks (Time: 2:16)

Utility Manager Jim Green provided an update on the Stuart Street Tanks. Issues that the District are currently addressing include:

- The existing pads are not adequate for modern codes
- The County is requesting a 10-foot setback from streets and fences. Currently the tanks only have a 5-foot setback.

Because of the additional work on the pads and new tank locations, the County is requiring a Coastal Development Permit. This will not affect the EPA funding.

Plans and renderings of the tanks will be available August 12.

Committee Member Dudzik asks if there are any impacts to runoff by changing the tank locations. Utility Manager Jim Green states that the grading will prevent any runoff issues.

Chairperson Dean asks if the tanks must be completed before the District receives grant funding. Utility Manager Jim Green states that the tanks do not need to be completed before the District receives grant funding. Funding will likely be awarded in late 2024.

Committee Member Dudzik asks about the red notes on the Categorical Exemption submittal. Utility Manager Jim Green states that these are highlighted items that were discussed with the County.

4.B Receive and Discuss Information Update on San Simeon Transmission Line Replacement (Time: 2:29)

Utility Manager Jim Green summarized the status of the project and reported that the majority of the permitting is complete. There is a small amount of geotechnical work to complete.

The District should submit 30% designs to State Parks and Caltrans by late August.

Committee Member Dudzik asked about the depth of the horizontal drilling. Utility Manager Green says the depths are in the geotechnical report, and believes some of the horizontal drilling will be more than 10 feet below ground surface.

4.C Discussion and Consideration of Approval of Zero Liquid Discharge (ZLD) Pilot Testing Program and Recommendation to the Board of Directors (Time: 2:41)

Utility Manager Jim Green summarized the status of the project

The District has filed a Substantial Conformance Determination with the county. The County has deemed a permit is not required for this short-term test. The District is also working with the RWQCB for discharge permitting.

Clark Easter from Global Water Innovations (GWI) gave a brief overview of the ZLD process. GWI will pilot two approaches: one is a switchable solvent system. GWI has performed some bench tests with samples of the District's brine using this system. The other approach is a direct current method that separates the brine into two streams that can be independently concentrated.

Chairperson Dean asks what happens to the water that is recovered from the system. Mr. Easter says for the pilot tests, the water will likely be put into the existing recharge ponds.

Committee Member Dudzik asks about the schedule of the pilot test. Mr. Easter anticipates the systems will be constructed and available for testing at the beginning of the fourth quarter of 2024.

Committee Member Williams asks if we should assume the brine must go to Kettleman City. Mr. Easter states that it is the backup assumption, although they are looking at opportunities to use the salts for other uses such as CO₂ removal.

Chairperson Dean asks about the footprint of the test system. Mr. Easter states that the ZLD system will be housed in a 40-foot mobile trailer. The location where this trailer will be located has been reviewed with Utility Manager Green.

Public Comment

Mr. Dean asks about cost differences between the two processes. Mr. Easter states that the cost estimates should come out of the pilot studies.

Mr. Crosby Swartz provided comments (attached)

The Committee was not able to vote on recommending the program to the Board due to lack of committee members present. This will come back to the R&I Committee on August 12th.

5. FUTURE AGENDA ITEM(S) (Time: 3:09)

Chairperson Dean asked for any future agenda items.

- Committee Member Williams will provide a report on the possibility of a geophysical survey
- Committee Member Meeks might provide a report on the solar hydro-panels
- Utility Manager Jim Green will discuss replacing the backup generator at Rodeo Grounds
- Utility Manager Jim Green will discuss the District accepting operation of the stream gauge

6. ADJOURN

Chairperson Dean adjourned the meeting at 3:12 p.m.

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Resources and Infrastructure Committee

AGENDA NO. 4.A.

FROM: James Green, Utilities Department Manager

Meeting Date: August 12, 2024

Subject: Receive a Presentation from San Luis Obispo County Air Pollution Control District Regarding Fast Chargers and Provide Recommendations to the CCSD Board of Directors

RECOMMENDATIONS:

It is recommended that the Resources & Infrastructure Committee receive a presentation from the San Luis Obispo County Air Pollution Control District regarding Fast Chargers and provide recommendations to the CCSD Board of Directors.

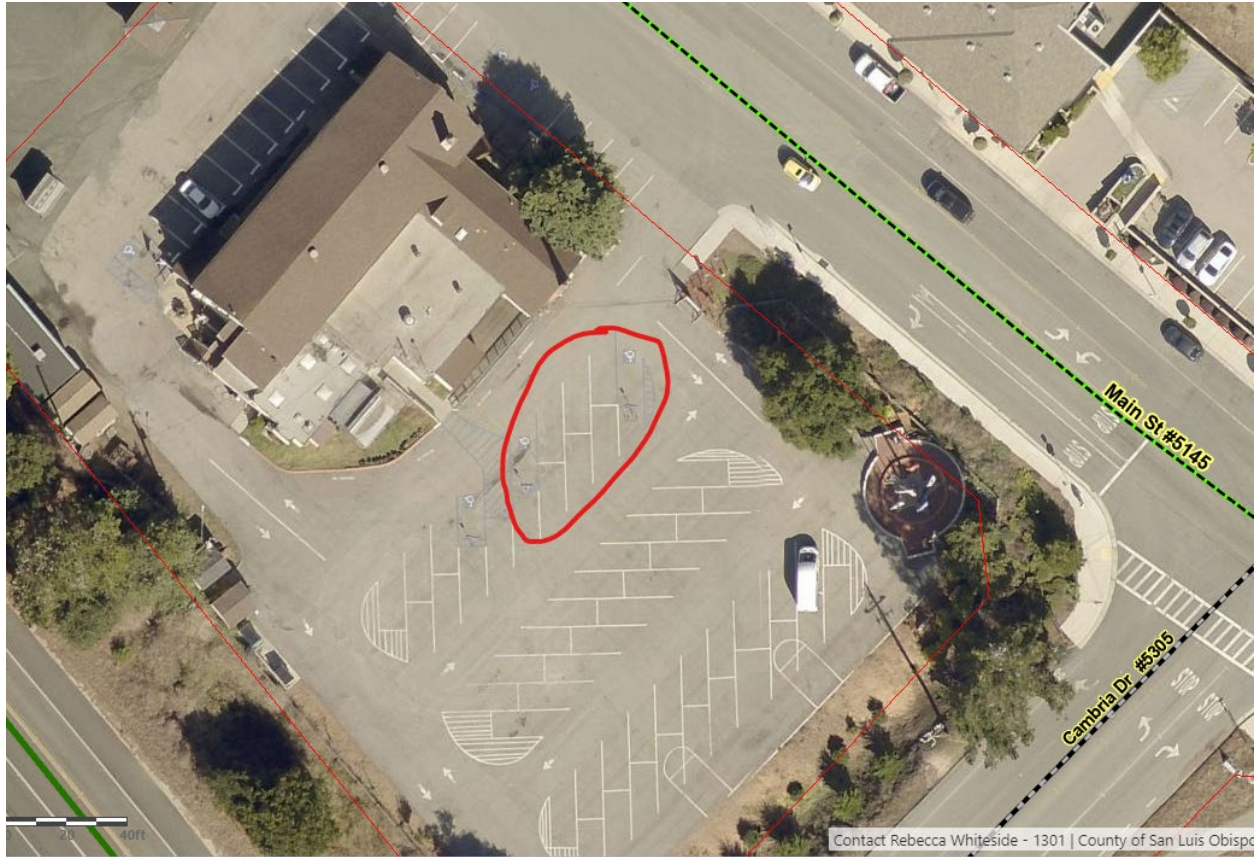
FISCAL IMPACT:

There is no fiscal impact associated with this item. This grant will not take CCSD employee resources and the grant has no obligation to provide match funds should the grant be awarded.

DISCUSSION:

It is recommended that the Resources & Infrastructure Committee receive a presentation from the San Luis Obispo County Air Pollution Control District regarding Fast Chargers and provide recommendations to the CCSD Board of Directors.

Attachment: Aerial Picture or Proposed Fast Chargers Location



GEOPHYSICAL MAPPING FOR LONG-TERM WATER SUPPLY WELL

DATE: July 23, 2024

TO: Cambria Community Services District Resources and Infrastructure Committee

FROM: Derrik Williams

SUBJECT: Using Geophysical Mapping to Identify Potential Well Sites

INTRODUCTION

The Resource and Infrastructure Committee’s February 28, 2024, *Draft Supplemental Supply Options* memorandum identified three potential approaches for developing supplemental supplies:

1. Working with upstream water rights holders on Santa Rosa Creek.
2. Installing solar hydro-panels that condense water from the air.
3. Using geophysical techniques to look for water bearing sediments that could be tapped with new wells.

This memorandum further investigates the viability and cost of using electromagnetic geophysical techniques to locate new production wells.

OVERVIEW

Electromagnetic geophysical methods have recently gained popularity as tools for mapping underground aquifers in California. This technology could identify areas where the District might expand its wellfields to provide additional supply. Two geophysical tools were identified in the *Draft Supplemental Supply Options* memorandum: Airborne Electromagnetics (AEM) and towed Time-Domain Electromagnetic (tTEM). Of these two, tTEM is the most appropriate for the District’s service area.

POTENTIAL WELL SITE PROPERTIES

District staff identified two properties for potential well site investigations. These are identified as the Gleason Street site and the Kenneth Drive site in this memorandum.

GLEASON STREET SITE

The Gleason Street site covers approximately 1 acre near the south edge of Cambria. The site location is shown on Figure 1. Access to this parcel is from Gleason Street. The site is partially wooded, with some open spaces that have been cleared of grass and shrubbery. The San Luis Obispo County Land Use View website estimates the average slope of this parcel is between 33% and 35%. Figure 2 and Figure 3 show photographs of the Gleason Street site taken on July 7, 2024.



Figure 1. Gleason Street Parcel Location



Figure 2. Gleason Street Site Looking Southwest



Figure 3. Gleason Street Site Looking Southeast

KENNETH DRIVE SITE

The Kenneth Drive site covers approximately 0.5 acres covering an L-shaped parcel near the intersection of Kenneth Drive and Trenton Avenue. The site location is shown on Figure 4. Access to this parcel is available from both Kenneth Drive and Trenton Avenue. The site is primarily grassland with occasional trees and shrubbery. The San Luis Obispo County Land Use View website estimates the average slope of this parcel is 11%. Figure 5 and Figure 6 show photographs of the Gleason Street site taken on July 7, 2024.



Figure 4. Kenneth Drive Parcel Location



Figure 5. Kenneth Drive Site Looking from Kenneth Drive



Figure 6. Kenneth Drive Site Looking from Trenton Avenue

SITE REVIEW

The sites sizes, locations, and accessibility were reviewed by staff from Geophysical Imaging Partners of Pleasant Hill, CA. Their review concluded the following.

GLEASON STREET SITE

- The site is relatively steep, and the tTEM equipment may have difficulty accessing the site.
- The site is heavily wooded, further limiting site access. Only a small portion of the site could be investigated even if the site's slope was acceptable.

KENNETH DRIVE SITE

- This site is likely accessible by tTEM equipment.
- The site is limited in size, and geophysical techniques will likely not provide much differentiation between the various areas on this site.

The staff from Geophysical Imaging Partners suggested that it might be better just to perform Cone Penetrometer Testing (CPT) at each site. They noted that normally they would always propose a geophysical survey, but in this case the locations for a new well are more or less given due to the limited space. The only potential for useful geophysical data is if the District opted for hard-rock wells that draw water from fissures. In that situation, the District might benefit from doing geophysics if the fissures could not be identified from high resolution terrain map.

CONCLUSIONS

District staff proposed two potential well locations. Review of the well locations by qualified geophysicists revealed that assessing the sites using tTEM technology is unlikely to provide useful data that could not be collected more inexpensively through other means. Therefore, we do not recommend the District proceed with geophysical investigations unless it wants to investigate a larger area.

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Resources and Infrastructure Committee

AGENDA NO. 4.C.

FROM: James Green, Utilities Department Manager

Meeting Date: August 12, 2024

Subject: Receive Update from Staff
Regarding San Simeon
Stream Gage Relocation

DISCUSSION:

The SLO County Flood Control District operates and maintains Stream Gages within the county. One of the Stream Gage Stations is located at the San Simeon Creek. Stream gages contain instruments that measure and record the amount of water flowing into a river or stream. The devices convert the water-level data into information, specifically flow in cubic feet per second. This data is measured every fifteen minutes and is available for viewing at the County's website, wr.slocountywater.org, which also provides real-time updates for rainfall maps and tables.

The storm events earlier this year nearly damaged the instrument at the stream gage station site. The County FCD would like to relocate the device to a location 30' higher than its current position, which would be on District property. The County FCD has applied for funding to support the relocation and anticipates the awarding of funds by the summer of 2025.

County FCD staff will execute all necessary permits for the reinstallation. The permitting process for relocation is expected to take a year as well.

District staff are working collaboratively with county staff to assist in the project development and location. Utility staff use the information from the stream gage for aquifer management in the San Simeon Creek Basin.

FISCAL IMPACT:

There is no financial impact

See Figures below for:
Pictures of Stream Gage Stations

Aerial illustration of Stream Gage Station's location and surroundings.



Figure 1: Stream Guage Station "Old"



Figure 2: Stream Guage Station "New"



Figure 3: Stream Gage Station's location and surroundings