



**HUMBOLDT COMMUNITY SERVICES DISTRICT  
BOARD OF DIRECTORS  
REGULAR SCHEDULED MEETING**

**AGENDA**

**DATE:** Tuesday, August 10, 2021

**TIME:** 5:00 p.m.

**LOCATION:** *In accordance with the Governor's Executive Order N-08-21 #42, HCSD Board of Directors shall conduct the District's business via teleconference.*

*The open session segment(s) of the meeting, including Public Participation, may be joined through the Zoom Website (<https://zoom.us>) by clicking on "Join A Meeting" and entering the following Meeting ID then follow the prompts for Passcode and audio. Access may also be achieved by telephone only by dialing 1-669-900-9128 followed by the Meeting ID and Passcode below:*

*Meeting ID: 854 7124 5129*

*Passcode: 420724*

*Participation protocol:*

- Please use the MUTE function when not speaking*
- Please use the "RAISE HAND" feature when wishing to be acknowledged for participation. Raise Hand feature is located in the lower right portion of the screen via the "REACTIONS" icon.*
- Please do not speak out of turn; wait for the Board President to call upon you to share.*

**A. CALL TO ORDER AND ROLL CALL**

**B. CONSENT CALENDAR**

1. Approval of August 10, 2021 Agenda Pgs 1-2
2. Approval of Minutes of the Regular Meeting of July 27, 2021 Pgs 3-6

**C. REPORTS**

1. General Manager
  - a) General Status Report Pgs 7-9
2. Engineering
3. Superintendent
  - a) July Construction Operations Department Report Pg 11
4. Finance Department
  - a) July 2021 Check Register Pgs 13-20

5. Legal Counsel
6. Director Reports
7. Other

**D. PUBLIC PARTICIPATION \*\***

\*\*Members of the public will be given the opportunity to comment on items not on the agenda by way of a Zoom meeting. Please use the information set forth above to participate. The Board requests that speakers please state their name and where they are from, be clear, concise and limit their communications to 3 to 5 minutes. At the conclusion of all oral communications, the Board or staff may choose to briefly respond with information in response to comments; however, the Brown Act prohibits discussion of matters not on the published agenda. Matters requiring discussion, or action, will be placed on a future agenda.

**E. NON-AGENDA**

**F. NEW BUSINESS**

1. Consideration of Appointing an AdHoc to Initiate General Manager’s First Annual Review *Pgs 21-27*
2. Vote for ACWA Region 1 Board Candidates *Pgs 29-30*
3. Consideration of support letter for Echo Landing Permit *Pgs 31-70*

**G. OLD BUSINESS**

1. Consideration of Humboldt County Office of Emergency Services (OES) Request to Store a Humboldt County Community Emergency Response Team (CERT) Trailer at the District Corporation Yard *Pgs 71-73*

**H. ADJOURNMENT**

Next Res: 2021-10  
 Next Ord: 2021-01

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Brenda Franklin at (707) 443-4558, ext. 210. Notification 48 hours prior to the meeting will enable the District to make reasonable arrangements to ensure accessibility to this meeting (28 CFR 35.102 – 35.104 ADA Title II).

Pursuant to §54957.5(a) of the California Government Code, any public record writings relating to an agenda item for an open session of a regular meeting of the Board of Directors, not otherwise exempt from public disclosure, are available for public inspection upon request at the District offices located at 5055 Walnut Drive, Monday through Friday (holidays excepted) during regular business hours.

DRAFT – MINUTES OF THE REGULAR MEETING  
OF THE BOARD OF DIRECTORS OF THE  
HUMBOLDT COMMUNITY SERVICES DISTRICT

The Board of Directors of the Humboldt Community Services District met in Regular Session at 5:00 p.m. on Tuesday, July 27, 2021, via tele/video conference in accordance with the Governor’s Executive Orders N-08-21.

**A. CALL TO ORDER AND ROLL CALL**

Present upon roll call were Directors Bongio, Gardiner, Hansen, and Matteoli. Director Benzonelli arrived at 5:02 p.m. Staff in attendance: General Manager Williams (GM), Finance Manager Montag (FM), and Assistant Engineer Adams (AE).

**B. CONSENT CALENDAR**

- A. Approval of July 27, 2021 Agenda
- B. Approval of Minutes of the Meeting of July 13, 2021

DIRECTOR MATTEOLI MOVED, DIRECTOR GARDINER SECONDED, TO ACCEPT AND APPROVE THE JULY 27, 2021 CONSENT CALENDAR. MOTION CARRIED UPON THE FOLLOWING ROLL CALL VOTE:

AYES: BENZONELLI, BONGIO, GARDINER, HANSEN, MATTEOLI  
NOES: NONE  
ABSENT: NONE

**C. REPORTS**

- 1. General Manager
  - a) Status Report

GM reviewed his July 23, 2021 Memorandum summarizing:

- COVID: Although the District’s Covid Prevention Plan adopted at the July 13, 2021 regular meeting allowed mask removal for vaccinated staff, CDC updated its guidelines July 27 to use masks in all public indoor environments.
- Updating District Design and Construction Standards: HCSD and McKinleyville CSD are collaborating financially for a thorough update to the construction standards used by both entities
- Hybrid Meetings: the FM has evaluated existing equipment resulting in the conclusion the Board Room is not adequate for hybrid meetings. A consultant is preparing an assessment and quotation for consideration at a future meeting. Meanwhile, board meetings will continue via Zoom.
- Paymentus: the District’s new customer service automated payment platform went live the week of July 19 with positive feedback from the community.

DRAFT – MINUTES OF THE REGULAR MEETING  
OF THE BOARD OF DIRECTORS OF THE  
HUMBOLDT COMMUNITY SERVICES DISTRICT  
Continued; July 27, 2021

- Legal Counsel for Matters Concerning the City: the City is reviewing the conflict waiver, and the GM continues to collect proposals for legal representation to address contract negotiations.

b) Elk River Estuary Enhancement Project Update

GM reviewed his analysis of the GHD Ocean Outfall Evaluation prepared for the City and released at the end of June 2021. The report reveals inconsistencies relating to capacity, and it appears Appendix C, prepared by Brown and Caldwell, is incomplete. GM intends to reach out to the Water Board with the hopes of verbalizing the newly discovered concerns at the Public Hearing which has been postponed from August to October 2021.

2. Engineering

- a) AE summarized the July 22, 2021 Memorandum emphasizing his development of relationships with District staff as well as various individuals throughout the community.

3. Superintendent

- a) June Construction Operations Department Report

Superintendent reviewed his July 21, 2021 Memorandum elaborating upon the numerous activities considered normal during any given month.

- b) July Operations/Maintenance Department Report

Without comment Superintendent summarized the corresponding July 21, 2021 Memorandum.

4. Finance Department

- a) June 2021 Budget Report

FM reviewed the report adding that there remain fiscal year end processes which will affect the final statement, such as County Property Tax Revenue, City of Eureka Wastewater Treatment Plant Improvements, etc.

6. Director Reports

Director Benzonelli advised she participated in the July RREDC monthly meeting and will submit a report at the next regular District meeting.

**E. PUBLIC PARTICIPATION**

President Bongio invited the public to address the Board on any item not listed on the agenda or issues generally affecting District operations, which are within the jurisdiction of the Board. None.

**F. NEW BUSINESS**

1. Consideration of Cancelling/Re-Scheduling the August 10, 2021 Regular Meeting of the Board of Directors

GM advised he received information that the City of Eureka may schedule an Elk River Estuary Enhancement Project Workshop on August 10 at 5 p.m. In order for the GM and staff to participate in the workshop, GM suggested providing for the option to reschedule the District's regularly scheduled meeting of August 10 should the workshop come to fruition. Discussion ensued addressing the desire to improve relationships with City staff, possibility of holding combined meetings with both entities, the necessity of the directors attending the workshop

Public Comment: J.A. Savage voiced support for joint meetings between the City and District.

IT WAS THEN MOVED BY DIRECTOR BENZONELLI, SECONDED BY DIRECTOR HANSEN, TO MAINTAIN THE REGULAR MEETING OF AUGUST 10, 2021, AND IF NECESSARY, RESCHEDULE FOR AUGUST 11, 2021 AT 5:00 P.M. TO ENABLE ALL DISTRICT DIRECTORS TO PARTICIPATE IN THE CITY WORKSHOP.

Discussion resumed regarding the need for all Directors to participate.

DIRECTOR BENZONELLI MODIFIED THE MOTION TO MAINTAIN THE REGULAR MEETING OF AUGUST 10, 2021, AND IF NECESSARY, RESCHEDULE FOR AUGUST 11, 2021 AT 5:00 P.M. TO ENABLE DISTRICT DIRECTORS THE OPTION TO PARTICIPATE IN THE CITY WORKSHOP. DIRECTOR HANSEN SECONDED THE MODIFIED MOTION. MOTION CARRIED UPON THE FOLLOWING ROLL CALL VOTE:

AYES: BENZONELLI, BONGIO, GARDINER, HANSEN, MATTEOLI  
NOES: NONE  
ABSENT: NONE

DRAFT – MINUTES OF THE REGULAR MEETING  
OF THE BOARD OF DIRECTORS OF THE  
HUMBOLDT COMMUNITY SERVICES DISTRICT  
Continued; July 27, 2021

**H. ADJOURNMENT**

There being no further business, IT WAS MOVED BY DIRECTOR MATTEOLI,  
SECONDED BY DIRECTOR HANSEN, TO ADJOURN. MOTION CARRIED UPON  
THE FOLLOWING ROLL CALL VOTE:

AYES: BENZONELLI, BONGIO, GARDINER, HANSEN, MATTEOLI

NOES: NONE

ABSENT: NONE

THE BOARD ADJOURNED ITS REGULAR MEETING OF JULY 27, 2021 AT 5:45 P.M.

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Submitted, Board Secretary

# Humboldt Community Services District

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*Dedicated to providing high-quality, cost-effective water and sewer service for our customers*

## MEMORANDUM

TO: Board of Directors

FROM: Terrence Williams, General Manager

DATE: August 6, 2021

SUBJECT: General Manager Report for August 10, 2021 Board Meeting

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### COVID

As of the morning of August 6, there are 447 active cases in the County. This is the highest active case count since January. Several days last week the County experienced record new case counts. Wastewater at the City's treatment plant is testing positive at concentrations higher than 99% of the country. The County Health Officer has issued an order that mandates masking when indoors, in crowded outdoor spaces and while attending outdoor public events. The pandemic is surging in Humboldt County and we are doing what we can to stay safe and healthy.

### City of Eureka

On Friday, July 30, District staff met with City staff to discuss differences and work toward an improved relationship. Significant progress was made as a result of this meeting. We do still have differences of opinion and we continue to disagree on several points but communication is improved and we were able to resolve several issues. I believe that we can build on this experience and move forward toward an improved partnership.

The City's Public Workshop regarding the Elk River Estuary Enhancement Project that was scheduled for August 10 was canceled. Additionally, the Waterboard's Public Hearing that was scheduled for August 19 was officially postponed until at least the October meeting, maybe longer. The Waterboard is anticipating hosting a public workshop the day before the public hearing. More information will be presented as it is available.

The City's legal counsel has reviewed the Draft Conflict Waiver that will allow District Counsel to represent and advise the District regarding contract performance. City Manager, Miles Slattery indicated verbally that the City's Counsel does not see any issues with the waiver and will be recommending to City Council to approve the waiver. I do not have confirmation of that from either District Counsel or City Counsel as of yet. The search for outside counsel to assist with contract negotiations with the City is ongoing.

## Hybrid Meetings

I strongly believe that we should postpone consideration of returning to in person meetings until the current COVID situation is better under control. That said, we borrowed equipment from McKinleyville CSD to evaluate in our board room. That evaluation will be taking place between the writing of this memo and the August 10 meeting. The results of that evaluation will be presented during the meeting.

## Drought

Although the Ruth Lake Reservoir is at 87% of capacity, drought intensity is extreme in much of interior Humboldt, western Trinity and northern Mendocino Counties. Drought intensity has increased to moderate in coastal Humboldt County. Several communities within the County are under mandatory conservation orders. Despite all of this, District rate payers don’t seem to be conserving. Table 1 shows a comparison of consumption in June and July of 2020 versus the same period in 2021.

**Table 1: Comparison of HCSD water consumption in June and July of 2020 versus the same period in 2021**

	<b>2020 Consumption (HCF)</b>	<b>2021 Consumption (HCF)</b>
June	50,368	54,354
July	70,450	67,184

As you can see from the data presented in the table, District rate payers are consuming approximately the same volume of water this year as they were during the same months last year. The District will be including messaging on future bills reminding people of the importance of water conservation. Please encourage your friends and neighbors to conserve water.

## ACWA Arrearages Survey Notification

The State Waterboard is collecting data for arrearages funding. This is the first step in distributing \$985 million in state relief funding. District staff is enrolled in a webinar that is scheduled for August 19 that provides an overview of the arrearage payment program and how to navigate the survey and answer questions. More information about this program is included in an ACWA news brief that is included in this packet. Hopefully this money will assist the District with some of the lost revenue associated with the pandemic.





## **STATE WATER BOARD COLLECTING DATA FOR ADMINISTRATION OF WATER ARREARAGES FUNDING**

BY ACWA STAFF AUG 4, 2021 WATER NEWS

The State Water Resources Control Board plans to email community water systems information regarding how to complete an important survey for the collection of information on residential and commercial drinking water arrearages, as well as revenue shortfalls during the COVID-19 pandemic.

ACWA encourages members to complete the survey to help the State Water Board determine the extent of statewide arrearages, which is the first step in allocation of funds to community water systems.

ACWA member agencies should expect to receive the email during the week of August 9. Community water systems will complete the survey using a special link on the Electronic Annual Report portal. When released, systems will have 30 days to complete the survey.

The State Water Board will conduct a public webinar on Aug. 19, 10-11:30 a.m. to provide an overview of the California Water and Wastewater Arrearage Payment Program, explain how to navigate the survey and answer questions.

AB 148, which Gov. Newsom signed on July 22, requires the State Water Board to conduct the survey as the first step in administering the California Water and Wastewater Arrearage Payment Program so that it can distribute the \$985 million in arrearages relief funding.

For more details about the webinar, including a link to watch and instructions for asking a question, view the State Water Board's webinar notice.

For questions about AB 148 and the State Water Board's survey, please contact ACWA Deputy Executive Director for Government Relations Cindy Tuck or ACWA Director of State Relations Adam Quiñonez.

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# Humboldt Community Services District

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Post Office Box 158    Cutten, CA 95534    (707) 443-4558    Fax (707) 443-1490

To:        H.C.S.D. Board of Directors

Date:       August 4, 2021

From:      Tim Latham, District Superintendent 

Subject:    July 2021 Construction Operations Report

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General business for the month of July included water service line replacements due to leaks on Old Stagecoach Road, Sydni Court, Eich Road, Forest Lake Court and Lucia Avenue, a water service line leak repair on Myrtle Avenue, a sewer main line repair on Ohio Street, two sewer lateral line repairs on Ohio Street, installing and raising a sewer lateral line cleanout to grade on West Holly Street and the installation of a new water and sewer service on Humboldt Hill Road.

Other business included assisting the Customer Service Department with service orders as necessary, exercising valves as part of the Valve Exercise Program and raising and concreting valve cans and manholes in the Humboldt Hill area due to road paving by the County of Humboldt.

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# Accounts Payable

## Checks by Date - Detail by Check Date

User: FM  
 Printed: 8/5/2021 3:45 PM

Humboldt Community Services District  
 5055 Walnut Drive – Eureka CA 95503  
 PO Box 158 – Cutten CA 95534 (707) 443-4558

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
54583	UB*01894	AMBER COOK Refund Check Refund Check Refund Check	07/09/2021	87.29 7.19 75.64
Total for Check Number 54583:				170.12
54584	A072 2523	Accurate Drug Testing Services DOT Physical/AW	07/09/2021	90.00
Total for Check Number 54584:				90.00
54585	B100 119572	B and B Portable Toilets Final service of portable restroom on the Pine Hi	07/09/2021	50.00
Total for Check Number 54585:				50.00
54586	B425 48192123	Bentley Systems Inc. Annual AutoCad Water Model Software 05.26.2	07/09/2021	158.10
Total for Check Number 54586:				158.10
54587	C301 20869	Chris Cringle's Saw & Chain Cut-off saw repair	07/09/2021	50.11
Total for Check Number 54587:				50.11
54588	C450 INV01286	City of Eureka: Water Test Microbiological Testing - May	07/09/2021	527.00
Total for Check Number 54588:				527.00
54589	C475 07151104P	Coast Counties Peterbilt Amber LED warning beacon	07/09/2021	71.96
Total for Check Number 54589:				71.96
54590	C670 3890	CWEA - Oakland Annual Mech Tech 2/TL	07/09/2021	96.00
Total for Check Number 54590:				96.00
54591	D910 214311	Don's Rent-All Inc New Sewer/Saw/Cut asphalt	07/09/2021	47.74
Total for Check Number 54591:				47.74
54592	E485 06302021 100314/3 100315/3 100703/3	Cooney Parris and Rieke Corp Discount Earned - June Cr Cond Lthr/Cleaner Lthr/Foam clnr/Brush detc Shop/Mig wire Shop/Crimper light duty/Stripper wire cutter/Spc	07/09/2021	-8.89 32.49 24.33 37.68

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	100810/3	Ridgewood Tank Rehab/Portable toilet supplies/.		10.53
	101250/3	Concrete mix 60#		41.96
	99795/3	Tee Galv/Hex Bush/Nipple Galv/Ball Vlv/Red C		44.49
Total for Check Number 54592:				182.59
54593	E558	NAPA Auto Parts of Eureka	07/09/2021	
	200538	Unit #12/Oil filters/Brake pads		102.85
	200720	2.5 Blue Def		17.34
	200987	Marvel Air Tool Oil qt		7.32
	203135	Shop/Rainx weather beat/BL		63.32
	204897	2.5 Blue Def		34.68
	206517	Unit #18/2.5 Blue Def		34.68
Total for Check Number 54593:				260.19
54594	E650	Eureka Ready Mix	07/09/2021	
	71193	Base		1,251.32
	71193	Base/Pea Gravel		1,294.09
Total for Check Number 54594:				2,545.41
54595	F850	Freshwater Environmental Services	07/09/2021	
	1595	2020 Urban Water Management Plan (UWMP) C		1,282.50
Total for Check Number 54595:				1,282.50
54596	H010	Keenan Supply	07/09/2021	
	06302021	Discount Earned - June		-318.25
	S011918058.001	Yard Stock/2 PVC Brass cplg		576.34
	S011927030.001	PHB WL Rpc DDV/SS 1 Section rpr clamp		767.78
	S011928155.001	PHB WL Rpc DDV/2 Flip 260 PSI Cplg		3,762.70
	S011931225.001	Grap-DI 12 Grip ring accy pak		786.69
	S011931225.002	Yard Stock/Grap-DI 12 Grip ring accy pak		393.35
	S011931225.003	PHB WL Rpc DDV/Grap-DI 12 Grip ring accy p		393.35
	S011932058.001	Ridgewood WBS/Nyl dbl strap srv saddle/Hex b		546.44
	S011933130.001	PHB WL Rpc DDV/12 DI C153 mj elbow		283.32
	S0119333124.001	PHB WL Rpc DDV/Concrete dual utility box/CI		339.43
	S011936878.001	Credit/Return/2 Flip 260 PSI/S011919573.001		-1,138.77
	S011938309.001	Yard Stock/SDR35 Gskt boe plas pipe		1,228.22
	S011940223.001	Mainline 10 Blk Round sewer box w/ green covc		54.08
	S011941505.001	MainlineThrd ball vlv/Imp Galv bush/Blk CI thr		149.88
	S011941868.001	Yard Replacement/SS Anti rotation T bolts/SS T		2,824.30
	S011951529.001	Yard Replacement/Brass BC Stop/Cplg/Meter cp		1,637.35
	S011953302.001	Yard Stock/3186 Lucia/Ridgewood pump house/		669.53
	S011953638.001	Yard Stock/316SS Nut and bolt kit		375.58
	S011968504.001	Yard Stock/Sewer saddle/Pipe lube 1qt/SDR35 V		2,965.12
	S011977239.001	6 Flng rw gate valve/Clow handwheel for 6" gate		650.19
Total for Check Number 54596:				16,946.63
54597	H060	Harvey M. Harper Co.	07/09/2021	
	68210	Unit #4/Brake shoe kit		104.16
Total for Check Number 54597:				104.16
54598	H410	Humboldt Bay Municipal Water D	07/09/2021	
	28186000	Water Purchased - June		90,647.60
Total for Check Number 54598:				90,647.60
54599	H610	Humboldt Co Elections	07/09/2021	

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	11032020	11.03.2020 Election Expense		14,868.85
			Total for Check Number 54599:	14,868.85
54600	H755 6564	Humboldt Performance Automotive Unit #16/Throttle body replaced	07/09/2021	513.67
			Total for Check Number 54600:	513.67
54601	1525 192053	Infosend UB/Process and Mail/Bills - May	07/09/2021	4,382.77
			Total for Check Number 54601:	4,382.77
54602	K400 17415 17460	Kernen Construction Quarry rock for the staging easement for the Rid Quarry rock for the staging easement for the Rid	07/09/2021	1,919.16 812.06
			Total for Check Number 54602:	2,731.22
54603	L200 60900618382 60900619263	Les Schwab Tire Center of Calif Inc. Unit #12/Tires Unit #11/Tires	07/09/2021	725.88 725.88
			Total for Check Number 54603:	1,451.76
54604	M230 M212655	Mendes Supply Co CH Bacticide Gal	07/09/2021	1,240.87
			Total for Check Number 54604:	1,240.87
54605	M450 514863848 514903802 514949914 514994991 515039146	Mission Linen Uniforms/Mats Uniforms/Mats Uniforms/Mats Uniforms/Mats Uniforms/Mats	07/09/2021	225.99 371.99 219.38 371.99 219.38
			Total for Check Number 54605:	1,408.73
54606	N570 159198	North Coast Labs Ltd Required HAA5, TTHM, Nitrate and Nitrite wat	07/09/2021	565.00
			Total for Check Number 54606:	565.00
54607	P130 2274326904-9	Pacific Gas and Electric-St Street Lighting - June	07/09/2021	2,221.43
			Total for Check Number 54607:	2,221.43
54608	P430 06302021 968921 968924 969153 969838 970021 971264 971274 971572 971966 973347	Pierson Building Center Discount Earned - June 10" Black valve box/6" Black valve box Penn SunShade MulchSeed/GB Top Soil G&B Premium Top Soil 1CF Shop/Amerock mag latch/50pk Utility Blades PHB WL Rpc DDV/80# Premix Concrete PHB WL Rpc DDV/Concrete forms/1x2x24/2x6 PHB WL Rpc DDV/Air Vac/PVC plug in slips/T Unit #4/Supplies/HookPick set/65# 95# Magn br PHB WL DDV/Bulk seed Buckle tie down/Metric DP socket and 6-pt sock	07/09/2021	-21.65 35.21 36.29 10.83 16.89 50.06 96.92 14.05 196.94 18.22 49.53

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	974389	Shop tools/Electrical tape colored asst		3.46
			Total for Check Number 54608:	506.75
54609	P557 1P80547 1R53692	Rexel USA Inc. Ridgewood WBS/BUS class cc time de/FLU 10/ Ridgewood WBS/PVC 6x6x6 Jct box w cover	07/09/2021	183.13 34.84
			Total for Check Number 54609:	217.97
54610	P785 13836 13854	Powell Landscape Materials Concrete for the Pine Hill Bridge Project as well Concrete for the Pine Hill Bridge Project as well	07/09/2021	306.50 162.74
			Total for Check Number 54610:	469.24
54611	R705 833718-4	Guy Rents Inc New compactor for Unit #1 (Construction Depar	07/09/2021	3,254.99
			Total for Check Number 54611:	3,254.99
54612	S310 202120885	Low Voltage Security Inc Key standard	07/09/2021	18.99
			Total for Check Number 54612:	18.99
54613	S490 109480	SHN Consulting Engineers PHB WL Rpe DDV	07/09/2021	415.00
			Total for Check Number 54613:	415.00
54614	U410	United Way of Humboldt PR Batch 00001.07.2021 UNITED WAY PR Batch 00001.07.2021 UNITED WAY PR Batch 00001.07.2021 UNITED WAY	07/09/2021 PR Batch 00001.07.2021 UNI PR Batch 00001.07.2021 UNI PR Batch 00001.07.2021 UNI	1.36 0.69 1.95
			Total for Check Number 54614:	4.00
54615	U730 20526 624234 628527 644059	USA Bluebook 5' Extension hose w gauge Ridgewood WBS/C I Reducing Flange Ridgewood WBS/Bypass relief valve 2 1/2" Gauge 30 60 160 psi/Chlorine test kits Hach/DP	07/09/2021	63.83 110.14 1,269.87 329.03
			Total for Check Number 54615:	1,772.87
54616	V500 9882459561	Verizon Wireless Cellular Service - June	07/09/2021	387.80
			Total for Check Number 54616:	387.80
54617	V700 INV 21-423290	Valley Pacific Petroleum Services Inc Fuel	07/09/2021	4,653.01
			Total for Check Number 54617:	4,653.01
54618	W208 1027	Watt's Cleaning Services Cleaning for June 2021	07/09/2021	950.00
			Total for Check Number 54618:	950.00
			Total for 7/9/2021:	155,265.03



Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
54619	A160	ACWA-JPIA	07/15/2021	
	0670385	aMedical Plan - Employees		51,661.67
	0670385	bDental Plan - Employees		1,661.92
	0670385	cVision Plan - Employees		328.23
	0670385	dLife/AD&D Plan - Employees		306.85
	0670385	eMedical Plan - Board Members		12,754.75
	0670385	fDental Plan - Board Members		448.76
	0670385	gVision Plan - Board Members		78.15
	0670385	hLife/AD&D Plan -Board Members		28.49
	0670385	iMedical Plan -Retired Members		24,939.02
	0670385	jDental Plan - Retired Members		1,158.28
	0670385	kVision Plan - Retired Members		328.23
	0670385	ICOBRA - Medical		1,170.14
	0670385	mCOBRA - Dental		33.72
	0670385	nCOBRA - Vision		15.63
			Total for Check Number 54619:	94,913.84
54620	A360	AFLAC	07/15/2021	
	192862	Supplemental Health Premium - June		203.59
			Total for Check Number 54620:	203.59
54621	C036	Corporate Payment Systems	07/15/2021	
	240728011582070	DT/Galco/Fuses		146.84
	240728011612070	DT/Galco/Counter 115VAC		543.26
	240728011682070	DT/Galco/Socket 8 blade		21.00
	241640711771050	TW/Staples/2TB Hard Drive		72.68
	244309911684008	TL/Microsoft online email exchange 21 users/Ju		84.00
	244921511588521	WP/MinnParr/Backhoe window latch		21.79
	247333411680290	MT/Unit #s1 and 2/Bedliners Plus/New receiver		518.64
	247333411710290	MT/Unit #s1 and 2/Bedliners Plus/Hitch locks		64.99
	249064111691238	TL/DRI Crash plan/June		29.97
	249064111791245	TW/GoDaddy/Domain name		19.17
	249430011634007	TW/The Burger Joint/GHD Lunch Meeting		20.00
			Total for Check Number 54621:	1,542.34
54622	C180	Canon Solutions America Inc.	07/15/2021	
	4036696861	Office/Black Copies WXD03492-05.31.21-06.25		12.54
	4036696861	Office/Color Copies WXD03492-05.31.21-06.25		234.34
			Total for Check Number 54622:	246.88
54623	C410	City of Eureka: SW	07/15/2021	
	June 2021	General 79%		94,424.75
	June 2021	Humboldt Hill 21%		25,100.25
			Total for Check Number 54623:	119,525.00
54624	C430	City of Eureka: WA	07/15/2021	
	06302021	Water Purchased - June		69,033.00
			Total for Check Number 54624:	69,033.00
54625	H045	Harper and Associates Engineering Inc.	07/15/2021	
	ENG-7375	Project Management of the Ridgewood Tank Rel		630.00
			Total for Check Number 54625:	630.00

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
54626	H810 272723 275413	Humboldt Waste Management Auth Solid Waste Solid Waste	07/15/2021	73.24 8.00
Total for Check Number 54626:				81.24
54627	J900 H004 0008390	ACWA/Joint Powers Insurance Authority Property Program 07.01.21 - 06.30.22	07/15/2021	18,836.55
Total for Check Number 54627:				18,836.55
54628	L390 218055 218516	Lithia Motors Support Services Unit #16/New seat pad Credit/New seat pad unit 16	07/15/2021	311.07 -163.09
Total for Check Number 54628:				147.98
54629	M560 48108	The Mitchell Law Firm LLP Legal Services - June 2021	07/15/2021	960.00
Total for Check Number 54629:				960.00
54630	P190 166233 166353 166447 3747CM	Pacific Paper Co Sharpie lg brl wide/Yel highltr/3Month wall calc Sharpie Xfine oil base/ 1/3Tab cut folders 2" Binders 8.5x5.5 Credit/Return/Sharpie Xfine oil base	07/15/2021	117.19 121.62 50.13 -32.02
Total for Check Number 54630:				256.92
54631	P550 1018486787 1018486787	Pitney Bowes Inc Qtrly Rent Base PM G900/DM400c Qtrly Rent Base PM G900/DM400c	07/15/2021	21.82 123.64
Total for Check Number 54631:				145.46
54632	R250 26959114	Recology Humboldt County Garbage Service - June	07/15/2021	477.88
Total for Check Number 54632:				477.88
54633	T510 0001299297 0001299297	Times-Standard Public Hearing Notice: FY 21/22 Rate Increases Public Hearing Notice: 2020 UWMP	07/15/2021	132.90 308.64
Total for Check Number 54633:				441.54
Total for 7/15/2021:				307,442.22
54634	A205 16556	Advanced Industrial Services Inc. Ridgewood Tank Rehabilitation Project	07/21/2021	45,600.00
Total for Check Number 54634:				45,600.00
54635	J800 121052	Johnson's Mobile Rentals LLC Rental fencing for the Ridgewood Tank Off-line	07/21/2021	252.78
Total for Check Number 54635:				252.78
Total for 7/21/2021:				45,852.78

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
54636	A072 2649	Accurate Drug Testing Services DOT Physical/BE	07/29/2021	90.00
Total for Check Number 54636:				90.00
54637	D200 INV684363	Day Management Corp. (2) Motorola CM200D Radios for SCADA syste	07/29/2021	1,017.08
Total for Check Number 54637:				1,017.08
54638	F010 81501375	Farmer Brothers Co Med Rst 2.0/Fr Rst 2.0	07/29/2021	152.59
Total for Check Number 54638:				152.59
54639	F049 CAEUR116357 CAEUR116357 CAEUR116557 CAEUR116764 CAEUR116764	Fastenal Company AA Btry/12 oz Hand sanit/Marking paint/Towel Safety glasses/WD-40/Powerlock tape rule Safety glasses AAA Btry/AA Btry/190z Germicidal cleaner Uncorded disposable ear plugs/Cowhide drivers	07/29/2021	37.70 71.73 42.62 25.11 45.12
Total for Check Number 54639:				222.28
54640	F050 CAEUR116335 CAEUR116591 CAEUR116643 CAEUR116755 CAEUR116756 CAEUR116896 CAEUR116896	Fastenal Industrial Orange nitrile gloves Cut-off wheels/Power phase sealed crimpt butt sj Facial tissues/Can liners/Paper towels/Seat cover Paper towel/Facial tissue Nitrile metric O-ring/Duro O-ring Metal handle brace/24" Coarse poly broom/5' Hc Bath tissue	07/29/2021	195.28 86.83 87.05 91.66 22.42 41.22 39.37
Total for Check Number 54640:				563.83
54641	H260 62984 62985	Hilfiker Pipe Company Grade rings for raising sewer manholes due to pe Grade rings for raising sewer manholes due to pe	07/29/2021	222.87 55.72
Total for Check Number 54641:				278.59
54642	H670 Permit 1677	Humboldt Co Sheriff's Office Alarm Permit renewal (2 years)	07/29/2021	25.00
Total for Check Number 54642:				25.00
54643	H760 168568	Humboldt Towing Inc Towing services for Unit #1 to Peterbilt for repai	07/29/2021	210.00
Total for Check Number 54643:				210.00
54644	K400 17773	Kernen Construction Cold mix asphalt for trench paving	07/29/2021	1,157.02
Total for Check Number 54644:				1,157.02
54645	M350 5165849	Mid-City Motor World Unit #12/Brade pad kit	07/29/2021	127.00
Total for Check Number 54645:				127.00

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
54646	P010	Pacific Gas and Electric-GN	07/29/2021	
	08022021	aWA Pump & District/Cummings		7,038.28
	08022021	bHH Water System		7,732.47
	08022021	cFW/MR Water System		787.70
	08022021	dGeneral Sewer System		3,162.05
	08022021	eKS/HH Sewer System		1,095.25
	08022021	fOffice/Yard		5,212.08
	08022021	gSpark energy Gas/LP Gas Chgs		43.77
Total for Check Number 54646:				25,071.60
54647	S120	Santander Bank, N.A.	07/29/2021	
	2660741	Interest - VacCon		7,576.49
	2660741	Principal - VacCon		109,864.43
Total for Check Number 54647:				117,440.92
54648	S750	Standard Insurance Company	07/29/2021	
	08012021	Short&Long Term Empl Disabilit		1,541.55
Total for Check Number 54648:				1,541.55
54649	S850	Suddenlink	07/29/2021	
	08152021+10	Internet/Phone 07.24.21 - 08.23.21		523.82
Total for Check Number 54649:				523.82
54650	T935	Two Brothers Cathodic Services Inc	07/29/2021	
	799	Annual cathodic protection inspection and maint		3,400.00
Total for Check Number 54650:				3,400.00
54651	U090	USA of NoCal and Nevada	07/29/2021	
	1486362021	2021 Membership fee \$150 plus 2020 billable tic		1,481.16
Total for Check Number 54651:				1,481.16
54652	U410	United Way of Humboldt	07/29/2021	
		PR Batch 00002.07.2021 UNITED WAY	PR Batch 00002.07.2021 UNI	0.91
		PR Batch 00002.07.2021 UNITED WAY	PR Batch 00002.07.2021 UNI	1.32
		PR Batch 00002.07.2021 UNITED WAY	PR Batch 00002.07.2021 UNI	1.77
Total for Check Number 54652:				4.00
Total for 7/29/2021:				153,306.44
Report Total (70 checks):				661,866.47

# Humboldt Community Services District

*Dedicated to providing high quality, cost effective water and sewer service for our customers*

## AGENDA REPORT

**For HCSD Board of Directors Regular Meeting of:** August 10, 2021

**AGENDA ITEM:** F.1

**TITLE:** Consideration of Appointing an AdHoc to Conduct the General Manager Annual Review

**PRESENTED BY:** Alan Bongio, Board President

---

### **Recommendation:**

Board President to appoint a two-member Ad-Hoc Committee for the General Manager First Annual Performance Evaluation.

### **Summary:**

As the General Manager's first year anniversary with the District occurs August 24<sup>th</sup>, it is time to appoint an AdHoc for the purposes of evaluating his performance, consider a step increase, and set goals and provide direction as necessary for the subsequent year. Once the AdHoc has concluded its process, a Closed Session will be arranged for full Board consideration of its findings and recommendations. For your review, attached is a blank procedure and form the Board established for conducting General Manager evaluations in 2008.

### **Fiscal Impact:**

None at this time.

# HCS D

## General Manager Performance Evaluation

GM Name: \_\_\_\_\_ Date: \_\_\_\_\_

Evaluation Period:  3-month Interim Review  
 6-month Interim Review  
 Anniversary Review  
 Specify: \_\_\_\_\_

### Instructions for the Preparation of the General Manager's Performance Evaluation

1. The Board of Directors President will appoint a 2-member Ad Hoc Committee selected from the Board for the specific purpose of conducting a Performance Evaluation of the District's General Manager.
2. Ad Hoc Committee members may interview key District personnel or others to gain insight about the General Manager's day-to-day dealings prior to proceeding with the evaluation.
3. The blank evaluation form is distributed to the Ad Hoc Committee and the General Manager.
4. Ad Hoc Committee members and the General Manager prepare their own "draft" evaluation and bring to the designated Ad Hoc Committee meeting. The General Manager will be excused while the Ad Hoc Committee members determine its suggested evaluation to the Board.
5. During a regularly scheduled Board Meeting, the Directors will call for a closed session. The General Manager will present his performance evaluation. Questions and comments by the Ad Hoc Committee will be invited.
6. The General Manager will be excused while the Board determines its official evaluation. At this time, the Ad Hoc Committee shall present its Performance Evaluation recommendations to the Board. A discussion of compensation/benefit changes may be discussed at this time for incorporation into the performance evaluation.
7. The General Manager will be invited to return, and the President of the Board of Directors will deliver the proposed evaluation, allowing the General Manager to provide comments.
8. The Board will also use the opportunity to communicate to the General Manager its overall HCS D performance evaluation and issues of importance.
9. Goals and objectives for the coming year will be developed at this time for both the General Manager and the District.
10. The final Performance Evaluation shall be written and available for signature by the General Manager and the President of the Board of Directors.

**RATING SCALE:**

<b>Rating Options</b>	
<b>5 = Exceptional</b>	Exceeds what is expected, consistently out-performs, exceptional application of job knowledge, skills, and abilities that may be difficult to sustain on a continuing basis from rating period to rating period.
<b>4 = Superior</b>	Exceeds what is expected. Consistently attains and exceeds requirements of the position and Board expectations.
<b>3 = Fully Competent</b>	Meets requirements and expectations. Fully competent in performing responsibilities and satisfactorily meets the key objectives and critical behaviors of the position.
<b>2 = Needs Improvement</b>	Meets most of the requirements, but some objectives or behaviors are not performed in a satisfactory manner. Performance may have slipped and needs to improve.
<b>1 = Unsatisfactory</b>	The manager's performance does not meet the standards acceptable for performance. Key behaviors and/or objectives are not met.
<b>NA = Not Observed</b>	The rater has not had the opportunity to observe the manager's performance adequately to rate this performance dimension.

**CRITERIA:**

**1. Communication**

- Follows rules of no surprises
- Expresses ideas clearly and effectively
- Accepts and offers innovative solutions
- Actively listens
- Deals fairly and equitably with the Board of Directors
- Responsive to Board of Director requests
- Articulately explains complex ideas and concepts to others

**Rating:** \_\_\_\_\_

Comments:

## 2. Leadership

- Gains the respect, confidence, loyalty, and support of others
- Promotes positive personal, professional and organizational image
- Articulates and implements the District's vision and ensures consistent application across the organization
- Visionary – demonstrates a broad and far-reaching perspective; sees and communicates the big picture
- Uses good judgement, reads a situation accurately and acts appropriately
- Develops effective management team

Rating: \_\_\_\_\_

Comments:

## 3. Management Controls

- Maintains financial management and cost containment
- Applies principles of employee selection, training, development and evaluation
- Optimizes productivity with financial resources
- Identifies and becomes appropriately involved in conflict resolution
  - Maximizes staff and material resources to increase efficiency
  - Adapts to changing circumstances
  - Displays originality and resourcefulness

Rating: \_\_\_\_\_

Comments:

## 4. Decision Making/Problem Solving

- Makes timely decisions
- Identifies possible alternative solutions
- Realizes possible ramifications and impact of each decision
- Makes effective judgments
- Uses common sense and discretion

Rating: \_\_\_\_\_

Comments:



## 5. Financial Management

- Maintains financial management and cost containment
- Prepares accurate budget and keeps expenditures within the budget
- Effectively administers the District budget
- Keeps Board informed about the fiscal impact of policy decisions
- Employs management practices and policies that are designed to achieve and maintain a sound, long-range financial condition

Rating: \_\_\_\_\_

Comments:

## 6. Professional Competence

- Understands complex technical information
- Holds own on discussion with peers, members and the Board of Directors on policy issues
- Has solid understanding of the water and sewer industry

Rating: \_\_\_\_\_

Comments:

## 7. Customer Service

- Responds in a timely manner to requests and complaints
- Serves customers with impartiality and fairness at all times
- Maintains effective relationships with customers
- Encourages and holds employees accountable for high standards and customer service

Rating: \_\_\_\_\_

Comments:

**8. Accomplishment of Key Objectives (list):**

•

**Rating:** \_\_\_\_\_

•

**Rating:** \_\_\_\_\_

•

**Rating:** \_\_\_\_\_

•

**Rating:** \_\_\_\_\_

•

**Rating:** \_\_\_\_\_

•

**Overall Rating (total):** \_\_\_\_\_

Comments:

**9. OBJECTIVES/GOALS FOR UPCOMING YEAR:**

- 
- 
- 
- 
- 

**10. AREAS FOR IMPROVEMENT**

- 
- 

**11. Compensation/Benefit Changes**

\_\_\_\_\_

General Manager Signature

\_\_\_\_\_

Date:

\_\_\_\_\_

President, Board of Directors

\_\_\_\_\_

Date:

General Manager comments: Attach a separate page with comments if applicable.

*PAGE INTENTIONALLY LEFT BLANK*

# Humboldt Community Services District

*Dedicated to providing high quality, cost effective water and sewer service for our customers*

## AGENDA REPORT

For HCSD Board of Directors Regular Meeting of: August 10, 2021

AGENDA ITEM: F.2

TITLE: Vote for ACWA Region 1 Board Candidates

PRESENTED BY: Terrence Williams, General Manager

---

### Recommendation:

Motion to authorize the Board Secretary to execute the official Region 1 Board Ballot as recommended by the Nominating Committee for the 2022-2023 Term. Roll-call vote.

### Summary:

As a member of ACWA, the District is entitled to participate in selecting representation for its region. In late 2020, I was recruited to serve on the Nominating Committee and support the recommendations as identified on the attached Ballot. Region 1 consists of the following northern counties: Marin, Napa, Sonoma, Lake, Mendocino, Humboldt, Trinity, Del Norte, and Siskiyou.

This year, the slate includes two Humboldt County individuals: Bruce Rupp, Director of Humboldt Bay Municipal Water District and Dennis Mayo, Director of McKinleyville Community Services District. Their presence on the Region 1 Board will continue to provide emphasis on water issues and concerns in Humboldt County. Each seat is held for a two-year period.

### Fiscal Impact:

None

Attachment – Official Region 1 Ballot

# OFFICIAL REGION 1 Board Ballot

2022-2023 TERM



Please return completed ballot by Sept. 30, 2021

E-mail: [regionelections@acwa.com](mailto:regionelections@acwa.com)  
Mail: ACWA  
980 9th Street, Suite 1000  
Sacramento, CA 95814

## General Voting Instructions:

- 1 You may either vote for the slate recommended by the Region 1 Nominating Committee or vote for individual region board members. Please mark the appropriate box to indicate your decision.
- 2 Please complete your agency information. The authorized representative is determined by your agency in accordance with your agency's policies and procedures.

1

### Nominating Committee's Recommended Slate

- I concur with the Region 1 Nominating Committee's recommended slate below.

#### CHAIR:

- **J. Bruce Rupp**, Director, Humboldt Bay Municipal Water District

#### VICE CHAIR:

- **Jennifer Burke**, Water Director, Santa Rosa Water

#### BOARD MEMBERS:

- **Tamara Alaniz**, General Manager, Brooktrails Township Community Services District
- **Jon L. Foreman**, Director, Valley of the Moon Water District
- **Dennis Mayo**, Board President, McKinleyville Community Services District
- **Elizabeth Salomone**, General Manager, Mendocino County Russian River Flood Control & Water Conservation Improvement District
- **Brad Sherwood**, Assistant General Manager, Sonoma Water

OR

### Individual Board Candidate Nominations

- I do not concur with the Region 1 Nominating Committee's recommended slate. I will vote for individual candidates below as indicated.

#### CANDIDATES FOR CHAIR: (CHOOSE ONE)

- Jennifer Burke**, Water Director, Santa Rosa Water
- J. Bruce Rupp**, Director, Humboldt Bay Municipal Water District

#### CANDIDATES FOR VICE CHAIR: (CHOOSE ONE)

- Jennifer Burke**, Water Director, Santa Rosa Water

#### CANDIDATES FOR BOARD MEMBERS: (MAX OF 5 CHOICES)

- Tamara Alaniz**, General Manager, Brooktrails Township Community Services District
- Jennifer Burke**, Water Director, Santa Rosa Water
- Jon L. Foreman**, Director, Valley of the Moon Water District
- Dennis Mayo**, Board President, McKinleyville Community Services District
- Elizabeth Salomone**, General Manager, Mendocino County Russian River Flood Control & Water Conservation Improvement District
- Brad Sherwood**, Assistant General Manager, Sonoma Water

2

AGENCY NAME \_\_\_\_\_

AUTHORIZED REPRESENTATIVE \_\_\_\_\_

DATE \_\_\_\_\_

CLEAR FORM

# Humboldt Community Services District

*Dedicated to providing high quality, cost effective water and sewer service for our customers*

## AGENDA REPORT

**For HCSD Board of Directors Regular Meeting of:** August 10, 2021

**AGENDA ITEM:** F.3 (New Business)

**TITLE:** Consideration of Providing a Letter to the California Coastal Commission in Support of the Echo Project

**PRESENTED BY:** Terrence Williams, General Manager

---

### Recommendation:

Discussion followed by a motion to approve the General Manager to write a letter to the California Coastal Commission supporting the Echo project

### Summary:

At the request of Director Benzonelli, this item has been included on the agenda.

The Echo Cable system is proposed to connect South East Asia to the west coast of the United States via fiber optics. The planned undersea cable will terminate in Eureka, CA and Changi, Singapore with branches at Agat, Guam, Piti, Guam and Tanjung Pakis, Indonesia. This cable system is projected to bring better internet connectivity, new jobs and economic development to the region. An overview of the project can be found at the following link (<https://www.submarinenetworks.com/en/systems/trans-pacific/echo/echo-cable-system-overview>).

During their August 12, 2021 meeting the California Coastal Commission will be considering the permit for the Samoa Cable Landing. A link for the Coastal Commission meeting agenda follows: <https://www.coastal.ca.gov/meetings/agenda/#/2021/8>. The Coastal Commission Staff Report for this agenda item is included for reference.

### Fiscal Impact:

None

**CALIFORNIA COASTAL COMMISSION**

455 MARKET STREET, SUITE 228  
 SAN FRANCISCO, CA 94105  
 VOICE (415) 904- 5200  
 FAX ( 415) 904- 5400  
 TDD (415) 597-5885



# Th12b/13a

CDP Filed:	7/22/21
180th Day:	1/18/22
CC Filed:	7/22/21
3 Months (CC):	10/20/21
6 Months (CC):	1/18/22
Staff:	AC-SF
Staff Report:	7/22/21
Hearing Date:	8/12/21

## STAFF REPORT

**Application No.:** 9-21-0165

**Consistency Certification No.:** CC-0004-21

**Applicant:** RTI Infrastructure

**Location:** In state and federal waters offshore of Humboldt County to the edge of the continental shelf; and landing at Samoa, CA.

**Project Description:** Install four steel pipes extending from a landing site in Samoa, CA approximately 3,600 feet offshore to serve as conduits for fiber optic cables. Install and operate two submarine fiber optic cable extending from one of the four landing pipes through state and federal waters and terminating in Singapore and Taiwan. ([Exhibit 2](#)).

**Staff Recommendation:** Approval with conditions (CDP); Concurrence with conditions (Consistency Certification).



## SUMMARY OF STAFF RECOMMENDATION

RTI Infrastructure proposes to install four steel bore pipes and two fiber optic cables, extending through state and federal waters and ultimately terminating in Singapore and Taiwan. This is part of a multi-phase project landing in Samoa, CA (Humboldt Co.) to install and operate up to four trans-Pacific submarine fiber optic cables ([Exhibit 1](#)). The proposed project includes installation by horizontal directional drilling of four steel landing pipes, extending from the cable landing site to approximately 3,600 feet offshore, through which cables would pass and connect to terrestrial infrastructure that will be constructed in a separate action by a local telecommunications company, Vero Networks. The proposed project includes installation and operation of two fiber optic cables, with two of the landing pipes reserved for future use. The proposed project includes development onshore and in both state and federal waters, and thus these findings cover a combined coastal development permit and federal consistency certification; the standard of review for both is Chapter 3 of the Coastal Act.

The key Coastal Act issues raised by this project are the potential for adverse impacts to marine resources and commercial fishing. To minimize adverse effects to marine resources, the staff recommends the Commission adopt several conditions designed to protect marine habitats and sensitive species. These include [Special Condition 4](#) requiring RTI Infrastructure to submit a Marine Wildlife Monitoring and Contingency Plan (MWMCP), [Special Condition 5](#) requiring the cable to be buried to a depth of one meter, and [Special Condition 6](#) requiring RTI Infrastructure to avoid and eliminate cable suspensions. [Special Condition 12](#) would require RTI Infrastructure to eventually remove the cable from state waters. In addition, [Special Conditions 13](#) and [14](#) would require RTI Infrastructure to quantify impacts to hard bottom substrate, if any, and mitigate for those impacts through payment of a hard bottom mitigation fee to be used to remove derelict fishing gear from waters off of California. Further, [Special Conditions 15](#) and [18](#) would require RTI Infrastructure to submit plans to protect against the discharge of hazardous and non-hazardous substances into the marine environment. With these conditions in place, staff recommends that the Commission find the proposed project consistent with Sections 30230, 30231 and 30232 of the Coastal Act.

The proposed project also has the potential to result in conflicts with and impacts to commercial and recreational fishing. To minimize this potential, [Special Conditions 7](#), [8](#), and [9](#) would require RTI Infrastructure to notify fisherman of the location of the installed cable and any areas of exposed or suspended cable. In addition, [Special Condition 19](#) would require RTI Infrastructure to adhere to requirements in a revised Fishing Agreement between fiber optic cable companies and the fishing industry that are intended to avoid or otherwise reduce and mitigate potential conflicts between the installation, continuation, and maintenance of the cable projects and commercial fishing activities conducted by the commercial fishermen operating in the Northern California maritime area. In response to requests from staff and fisherman, the fishing agreement, originally signed with one trawl organization only, has been expanded to be more inclusive of other fishing organizations that represent fisherman using additional gear types. Thus, as conditioned, staff recommends that the Commission find the project would protect commercial and recreational fishing interests and is therefore consistent with Coastal Act Section 30234.5.

9-21-0165/CC-0004-21 (RTI Infrastructure)

Commission staff recommends that the Commission **approve** coastal development permit application 9-21-0165, as conditioned, and **conditionally concur** with consistency certification CC-0004-21. The motions are on page 4.

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## APPENDICES

[Appendix A – Substantive File Documents](#)

## EXHIBITS

[Exhibit 1](#) – Proposed Marine Cable Route

[Exhibit 2](#) – Locations of Proposed Bore Pipes (Terrestrial Habitat Components)

[Exhibit 3](#) – Sensitive Communities and Special Status Plant Species

[Exhibit 4](#) – Cable Route near Humboldt Open Ocean Disposal Site (HOODS)

[Exhibit 5](#) – MND Mitigation Measures Incorporated into this CDP

[Exhibit 6](#) – Letter Agreement regarding Participation of Non-Trawl Fishermen in North Coast Fishermen’s Cable Committee and Draft Amended and Restated Northern California Cable & Fishing Agreement

[Exhibit 7](#) – Marine Cable Route Survey with BOEM planning area, Marine Protected Areas, and Habitat Areas of Particular Concern (HAPC)

## I. MOTIONS AND RESOLUTIONS

### 1. Coastal Development Permit Motion:

*I move that the Commission **approve** Coastal Development Permit No. 9-21-0165 pursuant to the staff recommendation.*

#### **Staff Recommendation of Approval:**

Staff recommends a **YES** vote. Passage of this motion will result in approval of the permit as conditioned and adoption of the following resolution and findings. The motion passes only by affirmative vote of a majority of the Commissioners present.

#### **Resolution:**

*The Commission hereby approves Coastal Development Permit 9-21-0165 and adopts the findings set forth below on grounds that the development as conditioned will be in conformity with the policies of Chapter 3 of the Coastal Act. Approval of the permit complies with the California Environmental Quality Act because either 1) feasible mitigation measures and/or alternatives have been incorporated to substantially lessen any significant adverse effects of the development on the environment, or 2) there are no further feasible mitigation measures or alternatives that would substantially lessen any significant adverse impacts of the development on the environment.*

### 2. Consistency Certification Motion:

*I move that the Commission **conditionally concur** with Consistency Certification CC-0004-21 on the grounds that, if modified in accordance with the conditions listed in the staff report, the project described therein would be consistent with the enforceable policies of the California Coastal Management Program (CCMP).*

#### **Staff Recommendation:**

Staff recommends a **YES** vote on the motion. Passage of this motion will result in a conditional concurrence with the consistency certification and adoption of the following resolution and findings. An affirmative vote of a majority of the Commissioners present is required to pass the motion.

**Resolution to Conditionally Concur with Consistency Certification:**

*The Commission hereby conditionally concurs with Consistency Certification CC-0004-21 on the grounds that, if modified in accordance with the conditions listed in the staff report, the project described therein would be consistent with the enforceable policies of the CCMP.*

**II. APPLICANT’S CONSISTENCY CERTIFICATION**

RTI Infrastructure has certified that the proposed activity complies with the California Coastal Management Program and will be conducted in a manner consistent with such program.

**III. STANDARD CONDITIONS**

The Coastal Development Permit (CDP) No. 9-21-0165 is granted subject to the following standard conditions:

1. **Notice of Receipt and Acknowledgment.** The permit is not valid and development shall not commence until a copy of the permit, signed by the permittee or authorized agent, acknowledging receipt of the permit and acceptance of the terms and conditions, is returned to the Commission office.
2. **Expiration.** If development has not commenced, the permit will expire two years from the date on which the Commission voted on the application. Development shall be pursued in a diligent manner and completed in a reasonable period of time. Application for extension of the permit must be made prior to the expiration date.
3. **Interpretation.** Any questions of intent of interpretation of any condition will be resolved by the Executive Director or the Commission.
4. **Assignment.** The permit may be assigned to any qualified person, provided assignee files with the Commission an affidavit accepting all terms and conditions of the permit.
5. **Terms and Conditions Run with the Land.** These terms and conditions shall be perpetual, and it is the intention of the Commission and the permittee to bind all future owners and possessors of the subject property to the terms and conditions.

**IV. SPECIAL CONDITIONS**

Both CDP No. 9-21-0165 and Consistency Certification (CC) No. CC-0004-21 are subject to the following special conditions:

1. **Performance Bond.** PRIOR TO ISSUANCE OF THIS PERMIT, the applicant shall provide a surety bond or other security device guaranteed by The Permittee and that is acceptable to the Executive Director of the Commission (hereinafter Executive Director), for \$500,000, and naming the Commission as the assured, to guarantee the faithful observance and performance of the applicant of the terms and conditions of this permit including the removal of the cable once it is no longer in operation. The surety bond or other security device shall be maintained in full force and effect at all times until the cable has been removed pursuant to [Special Condition 12](#) of this permit.
2. **Other Permits and Approvals:** PRIOR TO THE START OF CONSTRUCTION, the applicant shall provide to the Executive Director copies of other local, state, and federal permits required to perform project-related work. These permits and approvals include:
  - a. California State Lands Commission: lease for marine portion of project in state waters, granted at the State Lands Commission February 23, 2020 meeting with the condition that the applicant addressed inclusivity concerns raised by the original fishing agreement.
  - b. U.S. Army Corps of Engineers: Authorization under Nationwide Permit #12, pursuant to Rivers and Harbors Act Section 10 and Clean Water Act Section 404.
3. **Mitigated Negative Declaration Mitigation Measures.** This permit incorporates as conditions those mitigation measures identified in the December 2020 Initial Study/ Mitigated Negative Declaration for the RTI Infrastructure, Inc., Eureka Subsea Fiber Optic Cables Project (State Clearinghouse No. 2020120205) concerning marine habitats, biological resources, fishing, public access, cultural resources and hazards that are attached to this report as [Exhibit 5](#).
4. **Marine Wildlife Monitoring and Contingency Plan (MWMCP).** AT LEAST 15 DAYS PRIOR TO THE START OF CABLE INSTALLATION ACTIVITIES, the Permittee shall prepare a MWMCP for review and approval by the Executive Director. The Permittee shall implement the MWMCP during all marine operations (e.g., cable installation, post-lay inspection, burial, maintenance and repair, retrieval of entangled fishing gear, and inspection surveys). The MWMCP shall include the following elements, and shall be implemented consistent with vessel and worker safety:
  - Prior to the start of offshore activities, the Permittee shall provide awareness training to all Project-related personnel and vessel crew, including viewing of an applicable wildlife and fisheries training video, on the most common types of marine wildlife likely to be encountered in the Project area and the types of activities that have the most potential for affecting the animals.
  - A minimum of two National Marine Fisheries Service (NMFS)-qualified marine

mammal observers shall be located on the cable installation vessel (CIV) to conduct observations, with two observers on duty during all cable installation activities. The MWMCP shall identify any scenarios that require an additional observer on the CIV or other Project vessel and, in these cases, make recommendations as to where they should be placed to ensure complete coverage of the surrounding marine environment.

- Shipboard observers shall submit a daily sighting report to the Executive Director no later than noon the following day, provided that electronic communications from the CIV are available, that shall be of sufficient detail to determine whether observable effects to marine mammals are occurring.
- The observers shall have the appropriate safety and monitoring equipment adequate to conduct their activities (including night-vision equipment).
- The observers shall have the authority to stop any activity that could result in harm to a marine mammal or sea turtle. For monitoring purposes, the observers shall establish a 1,640 foot (500 meter) radius avoidance zone around the CIV and other Project vessels (if required by the MWMCP) for the protection of large marine mammals (i.e., whales) and a 500-foot (152-meter) radius avoidance zone around the CIV and other project vessels (if required by the MWMCP) for the protection of smaller marine mammals (i.e., dolphins, sea lions, seals, etc.) or sea turtles.
- In the event that a whale becomes entangled in any cable or lines, the observer shall immediately notify NMFS and the Executive Director, so appropriate response measures can be implemented. Similarly, if any harassment or harm to a marine mammal occurs, the observer shall immediately notify the Executive Director, NMFS and any other required regulatory agency.
- While cable is being deployed, cable-laying vessel speeds shall be limited to less than two nautical miles per hour (knots), with the speed of Project support vessels while assisting the cable-laying vessel limited to three to five knots, to minimize the likelihood of collisions with marine mammals and sea turtles.
- Propeller noise and other noises associated with cable laying activities shall be reduced or minimized to the extent feasible.
- The captain of the CIV and the Permittee's Project management team shall be responsible for ensuring that the MWMCP is implemented.
- A final report summarizing the results of monitoring activities shall be submitted to the Executive Director and other appropriate agencies no more than 90 days following completion of cable installation and retrieval activities. The report shall include: (a) an evaluation of the effectiveness of monitoring protocols and (b) reporting of: (i) marine mammal, sea turtle, and other wildlife sightings (species and numbers); (ii) any wildlife behavioral changes; and (iii) any project delays or cessation of operations due to the presence in the project area of marine wildlife species subject to protection.

5. **Cable Burial Depth.** The cable shall be buried to a depth of one meter in waters up to 1800 meters deep, except where precluded by seafloor substrates. Where a one-meter burial depth cannot be achieved, the Permittee shall bury the cable to the maximum depth feasible.



6. **Avoid and Eliminate Cable Suspensions.** AT LEAST 15 DAYS PRIOR TO THE START OF CABLE INSTALLATION ACTIVITIES, the Permittee shall prepare a Cable Slack Management Plan for review and approval by the Executive Director. The plan shall include the following elements to avoid and eliminate cable suspensions:
  - During cable surface-lay operations, the Permittee shall employ a remotely-operated vehicle (ROV) to track cable-lay operations and provide real-time ROV video feed to the cable ship.
  - If the ROV video feed identifies a suspended segment of cable that can be eliminated or minimized by repositioning or introduction of additional cableslack, the Permittee shall recover the cable and reinstall it using the abovemethods.
  - During post-lay inspection and burial operations, the Permittee shall use an ROV to reposition and/or bury to one meter any suspended or exposed cable segment, unless precluded from doing so by seafloor substrates.
7. **Notification of Exposed Cable.** During the marine cable installation phase of the project, the Permittee shall submit to (a) the Executive Director, (b) the U.S.Coast Guard (for publication in a Notice to Mariners), and (c) the signatories of the Fishing Agreement (see [Special Condition 19](#)), weekly notices containing preliminary as-built coordinates of any unburied or exposed sections of cable. The Permittee shall also make radio broadcast announcements on the local fishers' emergency radio frequency that provide the current cable installation location and a toll-free number that can be called for additional information.
8. **As-Built Documentation.** Within 45 days of completing marine cable installation, the Permittee shall submit to the Executive Director and the signatories of the Fishing Agreement (see [Special Condition 19](#)) the following:
  - (a) as-built plans in writing (Route Position List) and alignment or strip charts depicting bathymetry, seafloor substrates or features, seabed profile, depth of cable burial below the seafloor, and cable tension;
  - (b) electronic as-built plans (ina format to be determined by the Fishing Agreement signatories); and
  - (c) as-builtcable plans overlaid on National Oceanic and Atmosphere Administration (NOAA) navigation charts. The cable location shall be obtained by an acoustic navigation system linked to a surface differential global positioning system. The transponder for the acoustical navigational system shall be mounted on the equipment used for cable burial. The cable shall be considered installed the day after the last day of post-lay inspection burial operations.
9. **Changes to Nautical Charts:** WITHIN 30 DAYS OF COMPLETING INWATER CONSTRUCTION, the Permittee shall provide written verification to the Executive Director that the Permittee has submitted project-related information to NOAA to be included on area nautical charts. Information submitted shall include as-built drawings, blueprints, or other engineering documents which depict the completed development; geographic coordinates of the location, using a Differential Geographic Positioning System (DGPS) unit or comparable navigational equipment; and the Permittee's point of contact and telephone number.



10. **Cable Installation Report.** WITHIN 60 DAYS OF COMPLETING CABLE INSTALLATION, the Permittee shall submit to the Executive Director a cable installation report containing, at minimum, the following: (a) a summary of pre-lay, cable-laying, and burial methods used; (b) a summary of slack control equipment and methods applied during cable installation; (c) results from the post-lay burial survey indicating the depth of burial achieved along the cable route; (d) identification of any areas of cable suspension greater than one meter from the seafloor and a description of why cable could not be re-routed to avoid suspended cable; (e) a map depicting the cable route and indicating areas where the cable could not be buried and where cable suspensions of greater than one meter from the seafloor are present; (f) an evaluation of the consistency of cable installation with the project description and applicable special conditions of this permit; and (g) a description of any observed fishing activity during the pre-lay and cable installation project phases.
  
11. **Cable Surveying.** Five years after cable installation, the Permittee shall survey those portions of the cable route from the mean high tide line to where project operations extend into federal waters out to the 1800-meter depth contour to verify that the cable has remained buried consistent with the cable installation report required by [Special Condition 10](#). The survey shall be conducted by a third party, approved by the Executive Director, using an ROV equipped with video and still cameras. Within 30 days of survey completion, the Permittee shall submit to the Executive Director a report describing the results of the survey (including still images) and a copy of the video recorded during the cable survey. The video shall include a display that identifies the date, time, position, water depth, and heading of the ROV.
  - a. If the initial five year cable installation survey demonstrates no significant change in cable burial status, then the Permittee shall not be required to conduct a follow-up cable survey except after any event that has the potential to affect the cable. "Event" for the purposes of this condition is defined as: an incident or activity (such as a gear snag), the circumstances of which indicate the likelihood that the previously buried cable has become unburied; an act of God, such as a severe earthquake in the vicinity of the cable that could cause deformation of the sea floor or underwater landslides; or any other significant event that could cause excessive ocean floor scouring. The applicant shall notify the Executive Director in writing within ten days of the reporting or other identification of a qualifying event. This notification shall describe the location and nature of the qualifying event and the proposed survey, including survey location and timing. Following Executive Director approval of the proposed survey, the applicant shall schedule a survey at the soonest available opportunity, subject to vessel availability, weather conditions, and related operational conditions affecting the survey. Five years after the initial cable survey, and once every five years thereafter, in the absence of an event that would trigger a cable survey as described above, the applicant shall submit a written statement to the Executive Director confirming that no qualifying event has occurred since the prior cable survey and that no

other conditions or changes have occurred that would affect the burial status of the segments of the cable that were documented as buried in the post-lay survey and subsequent cable surveys.

- b. If, instead, the Executive Director determines that the initial five year survey demonstrates that a segment(s) of a cable is no longer buried consistent with the cable installation report required by [Special Condition 10](#), the Permittee shall, within 30 days of survey completion, submit to the Executive Director for review and written approval a plan to re-bury that cable segment(s). Upon approval of the plan by the Executive Director, the Permittee shall proceed to implement the plan in accordance with the time schedule specified therein. The Permittee shall also be required to conduct additional cable burial surveys within five years of the initial survey and every five years thereafter and to re-bury any unburied cable identified in such surveys consistent with this special condition.
12. **Cable Removal.** WITHIN 90 DAYS OF EITHER TAKING A CABLE OUT OF SERVICE or after the expiration or sooner termination of the Permittee's State Lands Commission lease, the Permittee shall apply for an amendment to this permit to remove the cable(s) from the territorial waters of the State of California. Upon approval by the Commission of the permit amendment, the applicant shall implement the cable removal project authorized by the amendment in accordance with the time schedule specified therein.
  13. **Hard Bottom Seafloor Study.** WITHIN 60 DAYS OF COMPLETING CABLE INSTALLATION, the Permittee shall submit to the Executive Director for review and approval the results of a Hard Bottom Study that quantifies the extent of hard bottom substrate, if any, that is impacted by the installed cable out to the edge of the outer continental shelf. The study will use data collected during cable installation and/or post-lay burial operations to determine areas where the cable is in direct contact with or is suspended above hard bottom substrate. At least 30 days prior to the cable installation work, the Permittee shall submit to the Executive Director for review and approval a proposed methodology for collecting the necessary data and calculating the hard bottom impact. Still-photographs of representative habitat shall be taken in any area of rocky substrate traversed by the cable. The survey shall quantify the extent of exposed rocky substrate, including type and relief along the cable corridor and the height and length of any cable suspended over rocky or soft substrates at heights greater than one meter from the seafloor.
  14. **Hard Bottom Mitigation Fund.** The applicant shall compensate for all project-related impacts to hard bottom habitat, if any, through payment of a compensatory hard bottom mitigation fee to be used to remove derelict fishing gear and other marine debris from waters in California. This work will be carried out pursuant to a Memorandum of Agreement (MOA) by and between the California Coastal Commission and the Regents of the University of California on behalf of the UC Davis Wildlife Health Center's California Lost Fishing Gear Recovery Project.

The amount of the hard-bottom mitigation fee shall be calculated by applying a 3:1 mitigation ratio to the total square footage of impacted hard bottom and then multiplying that acreage by a compensation rate of \$15.20 per square foot. The total square footage of hard bottom impacted shall be calculated by multiplying the linear distance of cable laid on or suspended over hard bottom by twice the width of the cable. The fee shall be paid to the UC Davis Wildlife Center within 30 calendar days of the approval of the Executive Director of the results of the hard bottom study required by [Special Condition 13](#). The applicant shall provide evidence of this payment to the Executive Director within the same time frame.

15. **Spill Prevention and Response Plan.** PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Permittee shall submit a Project-specific Spill Prevention and Response Plan to the Executive Director for review and approval. The Plan shall identify the worst-case spill scenario and demonstrate that adequate spill response equipment will be available. The Plan also shall include preventative measures the Permittee will implement to avoid spills and clearly identify responsibilities of onshore and offshore contractors and the Permittee personnel and shall list and identify the location of oil spill response equipment (including booms), appropriate protocols and response times for deployment. Petroleum-fueled equipment on the main deck of all vessels shall have drip pans or other means of collecting dripped petroleum, which shall be collected and treated with onboard equipment. Response drills shall be in accordance with Federal and State requirements. Contracts with off-site spill response companies shall be in-place and shall provide additional containment and clean-up resources as needed.
16. **Critical Operations and Curtailment Plan (COCP).** PRIOR TO ISSUANCE OF THE COASTAL DEVELOPMENT PERMIT, the Permittee shall submit a Final COCP to the Executive Director for approval. The COCP shall define the limiting conditions of sea state, wind, or any other weather conditions that exceed the safe operation of offshore vessels, equipment, or divers in the water; that hinder potential spill cleanup; or in any way pose a threat to personnel or the safety of the environment. The COCP shall provide for a minimum ongoing five-day advance favorable weather forecast during offshore operations. The plan shall also identify the onsite person with authority to determine critical conditions and suspend work operations when needed.
17. **Marine Discharge.** There shall be no marine discharge of sewage or bilge/ballast water from vessels either installing or repairing the cable. A zero-discharge policy shall be adopted for all project vessels.
18. **Inadvertent Release Contingency Plan for HDD Activities.** PRIOR TO ISSUANCE OF THIS PERMIT, the Permittee shall submit to the Executive Director for review and approval an Inadvertent Release Contingency Plan for all HDD activities associated with the project. At a minimum, the plan shall include:
  - a. An evaluation of a worst-case spill volume;
  - b. Clear identification of the trajectory and depth of marine bores;

- c. A commitment to use water as a drilling fluid for the last 60-100 feet of the bore before the drill punches out to the ocean bottom;
- d. Measures describing training of personnel, monitoring procedures, equipment, materials and procedures in place for the prevention, containment, clean up, and disposal of release drilling muds, and agency notification protocols;
- e. Methods for detecting the accidental release of drilling fluids that include: (1) continuous monitoring of drilling pressures to ensure they do not exceed those needed to penetrate the geologic formation; (2) continuous monitoring of mud returns at the entry pit to determine if mud circulation has been lost; and (3) a protocol for using fluorescent dye to detect a frac-out on the sea floor;
- f. Protocols the Permittee will follow if there is a loss of circulation or other indicator of a release of fluids;
- g. Protocols the Permittee will follow if there is a fluid release on the beach(e.g., isolating the area through construction of temporary berms, use of silt fences, straw bales, absorbent pads, or straw wattles); and
- h. Protocols the Permittee will follow if there is a fluid release in marine waters (e.g., immediately erect an underwater boom/curtain or other method of isolating and containing the release).

If a frac-out and fluid release occurs in the marine environment, the Permittee shall immediately halt work and notify and consult with the staffs of the Commission, State Lands Commission, CDFW Office of Spill Prevention and Response, and the National Marine Fisheries Service regarding appropriate incident-specific actions to be undertaken before HDD activities can be renewed.

19. **Compliance with Fishing Agreement Requirements.** PRIOR TO THE START OF CABLE INSTALLATION, the Permittee shall provide the Executive Director with: 1) a fully executed copy of the Amended and Restated Northern California Cable & Fishing Agreement (“Fishing Agreement”) in a form substantially similar to that provided in [Exhibit 6](#); and 2) proof of having formally revised the bylaws of the North Coast Fishermen's Cable Committee to reflect the requirements of the Fishing Agreement and in the manner described in the letter agreement between RTI Infrastructure, the North Coast Fishermen's Cable Committee, and various fishermen's associations, as shown in [Exhibit 6](#). This deadline may be extended by the Executive Director for good cause but shall not be extended beyond the date when the cable is activated and begins operating. No funding pursuant to the Fishing Agreement may be transferred or expended until the bylaws of the Cable Committee have been amended as described in this condition. In a manner consistent with the requirements of the Fishing Agreement, the Permittee shall comply with all deadlines for payment, reimbursement, and compensation of all expenses of the Cable Committee and Cable Committee representatives, as approved by the Cable Committee in its Annual Budget, and shall abide by all other

terms of the Fishing Agreement. Additionally, the Permittee shall annually provide to the Executive Director financial reports from the Cable Committee pursuant to the Fishermen's Agreement, including, but not limited to balance sheets; income and expense statements; list of all transactions, list of all grant fund requests, awards, and disbursements; and lost gear claims from any fishermen. Additionally, prior to disbursement of any funds, the Permittee shall provide the Executive Director with a Fisheries Improvement Fund management plan including policies, procedures, evaluation criteria, goals, objectives, and process and timeline for future review and revision.

20. **Cable Repairs.** The Permittee shall provide notice of proposed cable repairs in writing to the Executive Director and in a U.S. Coast Guard Notice to Mariners 15 days prior to any cable repair or maintenance activity, or as soon as possible for emergency repairs.

(b) **Cable Entanglements and Gear Retrieval.** In the event that fishermen snag a cable and lose or cut gear, or that any other type of entanglement occurs (e.g., involving a whale), the Permittee shall use all feasible measures to retrieve the fishing gear or inanimate object. In the event of an entanglement involving a whale, the Permittee shall notify the NOAA stranding coordinator. The Permittee shall notify the Executive Director within 48 hours of its knowledge of gear loss or other cable entanglement. Retrieval shall occur no later than six weeks after discovering or receiving notice of the incident, unless otherwise authorized by the Executive Director. If full removal of gear is not feasible, the Permittee shall remove as much gear as practicable to minimize harm to wildlife (e.g. fishes, birds, and marine mammals). Within two weeks of completing the recovery operation, the Permittee shall submit to the Executive Director a report describing: (a) the nature of and location of the entanglement (with a map), and (b) the retrieval method used for removing the entangled gear or object or the method used for minimizing harm to wildlife if gear retrieval proves infeasible.

21. **Elimination of Future Hazards.** Within 30 days of discovering that a project component installed in terrestrial, beach or intertidal areas and approved under this CDP has become unburied, the Permittee shall rebury the project components or, if reburial is infeasible, it shall submit an amendment to this CDP to seek approval for a different course of action.

## V. FINDINGS AND DECLARATIONS

### A. PROJECT DESCRIPTION

RTI Infrastructure proposes to install four landing pipes and two fiber optic cables as part of a multi-phase project to install and operate up to four transpacific submarine fiber optic cables landing at Samoa Beach in Humboldt County with the purpose of connecting the United States to Singapore, Taiwan, Japan, and potentially Australia ([Exhibit 1](#) and [7](#)). The proposed cables would extend through state and federal waters and connect to



Singapore (Phase 1) and Taiwan (Phase 2). The proposed project includes installation, using horizontal directional drilling techniques, of four steel landing pipes which would extend approximately 3,600 feet offshore from the cable landing site ([Exhibit 2](#)). The proposed cable would use two of these landing pipes, with the others reserved for future use. The cables would connect to a single vault that is being built by a local telecommunications company (Vero Networks) under a separate authorization (CDP 1-20-0455). Of the four proposed phases of this installation, this application covers two: Phase 1 (year 2021) would be the initial phase that would build the infrastructure to receive four cables and bring the very first cable from Singapore to California. Phase 2 (year 2022) would connect California to Taiwan.

Before installation, RTI Infrastructure will conduct a pre-lay grapnel run to clear seafloor debris from the cable corridor. Anything that the grapnel snags, such as discarded fishing gear, will be retrieved and disposed of onshore.

At the cable landing site, the cables would land in an unoccupied area of Samoa, CA between Vance Avenue and New Navy Base Road ([Exhibit 2](#)). The primary staging site for the Project will be at the cable landing site east of New Navy Base Road and west of Vance Avenue. The nearest residence to the staging area/cable landing site is .5 miles southeast, and residents do not have views of the site. An approximately 150- foot by 150- foot area would be used for key Project components. This would include four landing vaults (approximately 8 feet wide by 12 feet long by 9 feet deep) that would be buried with a cast-iron vault cover (36 inches in diameter) at grade level, meaning flush with the ground. Additionally, a separate landing pipe (each approximate 5-6 inches in diameter) would be installed from each of the landing vaults and would exit offshore into the Pacific Ocean using Horizontal Directional Drilling (HDD). Each pipe would be approximately 4,600 feet long and be installed 35 feet below the landing site. They will exit about 3,600 feet offshore at a depth of about 40 feet. This exit point is beyond the surf zone where it is safe for divers to work. In ocean water 5,904 feet deep or more, the cables would lay directly on the ocean floor; this will occur at approximately 32 miles offshore from the landing vaults, at the edge of the Outer Continental Shelf. In ocean water between 98 and 5,904 feet deep, the cable would be buried under the ocean floor by cable plow, or by diver-assisted or remotely operated vehicle- (ROV) assisted post-lay burial, depending on ocean floor characteristics. In ocean water between 40 and 98 feet deep, the cable would be installed by diver-assisted post-lay burial.

Once the landing pipes are installed, each individual cable would be pulled from the Pacific Ocean through its own designated landing pipe into its own designated landing vault. Finally, a grounding system known as an ocean ground bed would be needed for cathodic protection to control corrosion and to provide a ground for the electricity travelling through the cable to power the marine cable amplifiers. Each ocean ground bed would be installed onshore, underground in the cable landing site or offshore about 50 feet west of where the landing pipes would exit.

The MND for the Project describes the horizontal directional drilling technique proposed

for the steel landing pipes as follows:

*The HDD would be guided by a drill head fitted with a steering tool using magnetometers and inertial devices to track the direction of advance (horizontal and vertical) and the absolute location. Two types of drill heads could be used, depending on geologic conditions:*

- *Spud Jet. Spud jets force the drilling fluid through the jet bit to erode the earth material and create the bore hole into which the conduit is inserted. This type of drill head is used in soft soils such as sands, silts, and clays—the expected composition of material to be encountered during marine steel bore pipe installation.*
- *In-hole mud motor. This would use drilling fluids to rotate a drill head through hard rock such as limestone, sandstone, and granite; this type of head would be used if such conditions were encountered.*

*The landing pipe would be advanced in 30-foot sections through the boreholes as they are created. Surveys would be conducted in 15- and 30-foot increments to verify the drill position and path. The HDD machine would occupy the bore entry site, drilling steel casing into the ground at an angle. Once the bore pipe reaches the desired depth, the direction would level out as the drilling continues to push the pipe horizontally through the ground. Once the landing pipe would reach the appropriate distance offshore, the drill head would be guided to the surface... This operation would happen four times to install four independent landing pipes for each fiber optic cable.... The drill head would stay at the exit point of the landing pipe offshore... until... divers would take it off and install a flapper valve so that ocean water does not enter into the landing pipe...*

The proposed Project would be completed when the cables are installed into the landing pipes and are pulled into their respective landing vaults. The landing vaults also would provide access to the landing pipes for maintenance activities related to the cables. After completing the Project, the four cables would connect to a single vault that would be built by a local telecommunications company (Vero Networks) and would be outside of the scope of this Project. The local telecommunications company project is a separate project and has independent utility from the Project analyzed in the MND and requires a separate CEQA analysis. Each cable would be connected to this soon-to-be-built vault that would be located adjacent to the Project vaults. Vero Networks would then install conduits west to New Navy Base Road and then northerly along New Navy Base Road to connect with an existing building that will become a new cable landing station (also not part of the Project).

RTI Infrastructure estimates terrestrial construction components of the project will take place seven days a week during daylight hours in order to comply with Humboldt Co. noise standards and take place over approximately 8.5 months. Installation of the marine portion of the cable will occur 24 hours per day and seven days per week and take approximately 21 weeks. Once installed, the marine and terrestrial portions of the fiber optic cable do not

require routine maintenance. However, damage caused by saltwater intrusion into the conduit, anchors, or snagged fishing gear could result in a fault that would need to be repaired. Repairs would include cable recovery by use of a grapnel, divers, and/or an ROV, depending on water depths. Once at the ocean surface, the cable would be repaired and then reburied in its original position to the extent practicable. If the cable is not buried, it might be possible to bring the cable to the surface without cutting it.

RTI Infrastructure estimates that the cable would have a life of 25 years. Within 90 days of either taking the cable out of service or expiration of the project lease, RTI Infrastructure would notify the County, the Commission, and other agencies of the proposed disposition of the inactive cable.

## **B. PRIOR FIBER OPTIC CABLE PROJECTS APPROVED BY THE COMMISSION**

Since 2016, the Commission has approved other fiber optic cable projects in southern California:

- In July 2016, the Commission approved the installation of a fiber optic cable offshore of Hermosa Beach and the construction of two landing sites in Hermosa Beach with a total capacity of four cables (9-16-0160/CC-0001-16).
- In February 2018, the Commission approved a fiber optic cable and 4-cable landing site at Dockweiler State Beach (9-17-0389/CC-0004-17).
- In November 2018, the Commission approved a second fiber optic cable at Dockweiler State Beach (9-18-0647/CC-0006-18).
- In February 2019, the Commission approved a second fiber optic cable at Hermosa Beach (9-18-0593/CC-0008-18).
- In March 2019, the Commission approved a third fiber optic cable at Hermosa Beach (9-18-1211/CC-0010-18).
- In February 2020, the Commission approved a fourth fiber optic cable at Hermosa Beach (9-19-0880/CC-0004-19).
- In August 2020, the commission approved a fifth fiber optic cable at Grover Beach (9-21-0165/CC-0004-21).

## **C. OTHER AGENCY APPROVALS AND TRIBAL CONSULTATIONS**

### **Regional Water Quality Control Board – North Coast Region (RWQCB)**

The RWQCB regulates waste discharges into receiving waters in the project area. RTI Infrastructure applied for a Section 401 water quality certification for the proposed project, which was issued in March 30, 2021 (WDID 1B21019WNHU).

### **U.S. Army Corps of Engineers (Corps)**

The Corps has regulatory authority over the project under Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 1344) and Section 404 of the Clean Water Act (CWA) (33 U.S.C. 1344). The Applicant requested federal authorization from the Corps, which anticipates issuing a permit in August 2021, contingent upon Commission authorization of the proposed project.



### **State Lands Commission**

The State Lands Commission adopted the project Mitigated Negative Declaration and approved issuance of a lease for the proposed project at its February 23, 2021 meeting. The approved lease was conditioned on addressing concerns of inclusivity within the fishing agreement.

### **Humboldt Bay Harbor, Recreation, & Conservation District**

The Harbor district approved a local land lease for terrestrial portions of the project subject to the District's jurisdiction on November 19, 2020.

### **Tribal Outreach and Consultations**

During the review of this project, Commission staff reached out to representatives from Native American Tribes understood to have current and historic connections to the project area: the Bear River Band of Rohnerville Rancheria, the Blue Lake Rancheria, the Cher-Ae Heights Indian Community of the Trinidad Rancheria, and the Wiyot Tribe. Contact information for these Tribal Representatives was provided by the Native American Heritage Commission.

Commission staff received one response from these contacts, from the Tribal Historic Preservation Officer for the Blue Lake Rancheria. The THPO expressed no knowledge of cultural resources at the Samoa connection location and encouraged the use of inadvertent discovery protocol, which is consistent with their feedback to the applicant. The requirement for Tribal monitoring is included in the Mitigated Negative Declaration and, through [Special Condition 3](#), is incorporated into this CDP.

At the time of publication of this staff report, no other Tribal questions or concerns had been brought to the attention of Commission staff. Any concerns raised subsequent to the publication of this report will be included in an addendum to this staff report.

### **U.S. Environmental Protection Agency**

RTI Infrastructure proposes to install the cable along the alignment shown in [Exhibit 7](#). As illustrated, this alignment was selected to avoid marine features such as Samoa State Marine Conservation Area, and has been modified to avoid the HOODS site offshore of Humboldt Bay. The EPA has accepted the revised route around the HOODS site as it currently exists.

## **D. DREDGING AND PLACEMENT OF FILL IN COASTAL WATERS**

Coastal Act Section 30233(a) states:

*The diking, filling, or dredging of open coastal waters, wetlands, estuaries, and lakes shall be permitted in accordance with other applicable provisions of this division where there is no feasible less environmentally damaging alternative, and where feasible mitigation measures have been provided to minimize adverse environmental effects, and shall be limited to the following:*

- (1) *New or expanded port, energy, and coastal-dependent industrial facilities, including commercial fishing facilities.*

...

The proposed project includes the construction of a cable on the seafloor and constitutes fill of open coastal waters. Thus, the project is subject to the three-part test of Coastal Act Section 30233(a). The first test requires that the proposed activity must fit into one of the seven categories of uses enumerated above. The second test requires that there be no feasible less environmentally damaging alternative. The third test requires that feasible mitigation measures be provided to minimize the project's adverse environmental effects.

### **Allowable Use Test**

One of the seven allowable uses of fill under 30233(a) is a coastal-dependent industrial facility. The cables, the purpose of which is to provide ocean connectivity between the United States and Singapore/Taiwan, is "coastal-dependent" since it requires "a site on, or adjacent to, the sea to be able to function at all" as defined in Coastal Act Section 30101. The Commission thus finds that the proposed cable meets the allowable use test of Coastal Act Section 30233(a).

### **Alternatives**

The Commission must find that there is no feasible less environmentally damaging alternative to the proposed project, in this case by assessing two components of the proposed project: its landing site and offshore route.

#### *Alternatives to the Proposed Landing Site*

The proposed cable landing site would connect to terrestrial fiber optic cable infrastructure at the landing site shown in [Exhibit 2](#). This project anticipates providing broadband internet access to more than 25,000 local government and tribal communities, businesses, and households in the region. Additionally, placement of the cables are anticipated to provide valuable early seismic detection data for faults located off the North Coast. As shown in [Exhibits 4](#) and [7](#) and described in the marine resources appendix provided for this report, this landing site avoids the need to route the cable through protected offshore areas (marine reserves and conservation areas) and also avoids kelp forests (the nearest kelp forest is 27 miles south of the proposed cable route). An alternative site would involve new construction or use of a different but already constructed landing site; there is no other already constructed site with availability for a cable to land along the North Coast. The location of the landing site is in a currently disturbed coastal dependent industrial area. Use of a different landing site would involve the same construction activities and impacts associated with the proposed project and would not be considered less environmentally damaging. For these reasons, the Commission finds that there is no feasible less environmentally damaging alternative landing location to the proposed project.

#### *Alternative Offshore Routes*

As shown in [Exhibits 4](#) and [7](#), the proposed cable route avoids protected marine features such as state marine reserves and conservation areas. No impacts to sensitive hard substrate benthic communities are anticipated along the proposed cable route, according to a review of existing information acquired as part of project planning. Hard substrate features occur offshore Eureka, California between 200 and 500 m (656 and 1,640 ft) and again between 500 and 1,000 m (1,640 and 3,281 ft). This farther offshore grouping of rocky features occurs within the planned federal wind energy lease area. Communication with BOEM representatives has not raised any concerns of having the cable located within the WEA. The entire area of hard substrate habitat is identified by NMFS as Habitat Areas of Particular Concern under the Magnuson-Stevens Fishery Management and Conservation Act. However, according to the 2020 cable route survey data, the proposed cable alignment skirts an area of hard substrate to the south but avoids potential hard substrate outcropping and remains in soft substrate habitat. The applicant will minimize impacts to hard bottom substrate by laying the cable on the surface with only enough slack to allow the cable to conform to the ocean floor. It is the intent of the RTI Eureka Subsea Cables Project to avoid any moderate to high-relief hard substrate areas that might occur along any of the proposed cable routes and additionally conform with [Special Conditions 13](#) and [14](#) to mitigate any impacts to hard bottom habitat.

Furthermore, the proposed cable route has been revised from its original position to avoid the Humboldt Open Ocean Disposal Site (HOODS). The HOODS site was designated in 1995 by the EPA as an environmentally appropriate disposal site for dredged sediment ([Exhibit 4](#)). The EPA monitors the dredged material at this site and has shown that there are no significant adverse effects from this disposal. Through the federal rulemaking process, it was expanded in 2020 by 1 nautical mile to the west and north, and the consistency determination for this site was unanimously concurred with by the Coastal Commission in October 2020.

Therefore, the Commission finds that the proposed project is the least environmentally damaging feasible alternative and meets the second test of Coastal Act Section 30233(a).

### **Mitigation**

The proposed project includes mitigation measures designed to minimize impacts to coastal resources. These measures, described in more detail in Sections E and F of this report, require RTI to: avoid and eliminate cable suspensions; submit plans to minimize or eliminate impacts from anchoring, hazardous material spills, and stormwater runoff; and mitigate for impacts to hard bottom habitat. With the imposition of these mitigation measures, the Commission finds that the third test of Coastal Act Section 30233(a) has been met.

For the reasons described above the Commission finds that the project is consistent with Section 30233(a) of the Coastal Act.

## **E. MARINE RESOURCES AND WATER QUALITY**

Section 30230 of the Coastal Act states:

*Marine resources shall be maintained, enhanced, and where feasible, restored. Special protection shall be given to areas and species of special biological or economic significance. Uses of the marine environment shall be carried out in a manner that will sustain the biological productivity of coastal waters and that will maintain healthy populations of all species of marine organisms adequate for long-term commercial, recreational, scientific, and educational purposes.*

Section 30231 of the Coastal Act states:

*The biological productivity and the quality of coastal waters, streams, wetlands, estuaries, and lakes appropriate to maintain optimum populations of marine organisms and for the protection of human health shall be maintained and, where feasible, restored through, among other means, minimizing adverse effects of waste water discharges and entrainment, controlling runoff, preventing depletion of ground water supplies and substantial interference with surface water flow, encouraging waste water reclamation, maintaining natural vegetation buffer areas that protect riparian habitats, and minimizing alteration of natural streams.*

Section 30232 of the Coastal Act states:

*Protection against the spillage of crude oil, gas, petroleum products, or hazardous substances shall be provided in relation to any development or transportation of such materials. Effective containment and cleanup facilities and procedures shall be provided for accidental spills that do occur.*

The proposed cable route extends from Samoa, CA through state and federal waters out to the edge of the Outer Continental Shelf and on to destinations in the western Pacific. As discussed below, the project has the potential to result in impacts to marine mammals and sea turtles, fish, benthic habitat (soft and hard substrate areas), and marine water quality.

### **1. Marine Mammal and Sea Turtle Impacts**

The proposed project has the potential to adversely affect whales and other marine wildlife through entanglement with the project cable, entanglement with “ghost nets” or abandoned fishing gear, collision with project vessels, and effects from vessel-related noise.

#### ***Potential Entanglement with the Project Cable***

Marine mammals that live or migrate through the project area may become entangled in insufficiently buried cable or in cable suspensions. Whale species with a moderate to high likelihood of being present offshore the Northern California coast include humpback whales (*Megaptera novaeangliae*), blue whales (*Balaenoptera musculus*), fin whales (*B. physalus*), gray whales (*Eschrichtius robustus*), sei whales (*Balaenoptera borealis*), sperm whales (*Physeter microcephalus*) and north pacific right whales (*Eubalaena japonica*).

Several species of dolphins and porpoises, including common dolphins (*Delphinus delphis*), harbor porpoises (*Phocoena phocoena*), are found, as are pinnipeds (sea lions and seals), sea otters, and rarely sea turtles.

Because of their behavior and migration patterns, two of these species—the California gray whale and sperm whale—have the greatest risk of cable entanglement. Approximately 20,000 gray whales annually migrate between Alaskan waters and Baja California. Since gray whales feed on the seafloor, gray whales may face the highest risk of entanglement with insufficiently buried or exposed cables. Sperm whales are much less abundant than gray whales, numbering approximately 1,200 individuals offshore California. Sperm whales typically inhabit deep open waters, and are the deepest diving of all cetaceans, regularly diving to water depths between 200 and 1,000 meters. Sperm whales are the only species confirmed to have been entangled in a submarine cable, and their deep diving puts them at risk of entanglement with insufficiently buried, exposed, or suspended cables.

RTI Infrastructure proposes to bury the cable along its entire alignment out to the outer continental shelf. However, if unexpected seafloor conditions are encountered, there is potential for portions of the cable to be suspended. In addition, there is entanglement risk during cable installation as cable is spooled out from the cable-laying vessel and traverses the length of the water column before it is buried in seafloor sediments.

To minimize the potential for entanglement, the Commission is imposing several conditions. [Special Condition 3](#) requires RTI Infrastructure to implement the MND mitigation measures related to marine resources ([Exhibit 5](#)), including requiring a biologist for marine mammal and sea turtle monitoring and decreasing speeds when marine mammals and sea turtles are present. Further, [Special Condition 4](#) requires RTI Infrastructure to submit a Marine Wildlife Monitoring and Contingency Plan (MWMCP) to the Executive Director for review and approval. The MWMCP will expand upon the MND measures by including marine wildlife training for project personnel and reduced vessel speed during all cable-laying activities. In addition, the MWMCP will include two NMFS-approved marine mammal observers who will have the authority to stop any activity that could result in harm to a marine mammal or sea turtle.

[Special Condition 5](#) requires RTI Infrastructure to bury the cable to a depth of one meter where feasible. To minimize the occurrence of suspended cable, [Special Condition 6](#) requires RTI Infrastructure to submit to the Executive Director for review and approval a Cable Slack Management Plan describing the installation measures that will identify and eliminate, where feasible, segments of cable that are suspended above the seafloor. [Special Condition 12](#) requires RTI Infrastructure to apply for an amendment to this permit to remove the cable within 90 days of either taking the cable out of service or after the expiration or termination of the project lease from the State Lands Commission. To ensure compliance with these and other conditions, [Special Condition 1](#) requires RTI Infrastructure to post a performance bond in the amount of \$500,000 to cover performance of its obligations for its cable operations in state and federal waters.

### ***Entanglement with Ghost Nets and Abandoned Fishing Gear***

When fishing gear snags on cables or other bottom features, fishermen generally abandon their gear in place. This abandoned gear can entangle marine mammals and fish, preventing them from feeding and causing them to drown. Several design aspects of the proposed project reduce the potential for gear snags on the proposed cable.

Foremost, RTI Infrastructure anticipates burying the cable beneath the seafloor surface. Additionally, [Special Condition 8](#) requires RTI Infrastructure to provide the local fishing entities who are signatories to the Amended and Restated Northern California Cable & Fishing Agreement with as-built plans of the installed cable, including burial depths and the locations of any cable suspensions. [Special Condition 9](#) requires RTI Infrastructure to provide NOAA with information necessary to update nautical charts to reflect the position and burial status of the installed cable. Finally, [Special Condition 21](#) requires RTI Infrastructure to remove snagged fishing gear no later than six weeks after its discovery or notice of an incident. Within two weeks of completing a recovery operation, RTI Infrastructure is required to submit to the Executive Director a report describing the nature and location of the entanglement and the retrieval method used.

### ***Marine Mammal or Sea Turtle Collision with Project Vessels***

Impacts to marine mammals and sea turtles could result from collisions with project vessels during marine operations associated with the proposed project. However, the slow vessel speeds during cable installation activities (in general, 0.5 to 1.5 knots) limit much of the potential for such collisions. Marine mammal monitoring protocols required by [Special Condition 4](#) also will help to reduce collision risk. These protocols include measures such as qualified observers (equipped and with authority to stop activities that pose a harm to mammals or sea turtles), sighting reports, and awareness training. With these conditions in place, potential adverse effects to marine mammals and sea turtles from collisions with project vessels will be minimized.

### ***Marine Mammal Effects from Project-Related Vessel Noise***

Underwater noise from cable installation could result in effects to marine mammals and sea turtles. However, the time- and geography-limited nature of project activities will limit the potential for underwater noise effects. Vessel speed restrictions and implementation of the marine mammal monitoring program required in [Special Condition 4](#) will further limit exposure of marine mammals to noise levels that would be sufficiently high to result in adverse effects.

## **2. Fish**

Common fish species offshore this portion of the California coast include pelagic species (found in the water column) such as small schooling species such as Pacific sardine (*Sardinops sagax*) and northern anchovy (*Engraulis mordax*), as well as schooling predators including bluefin tuna (*Thunnus thynnus*), North Pacific albacore (*Thunnus alalunga*), yellowfin tuna (*Thunnus albacares*), Bigeye Tuna (*Thunnus obesus*), skipjack tuna (*Katsuwonus pelamis*) thresher shark (*Alopias yulpinus*), and swordfish (*Xiphias gladius*). Other common fish species include shortfin mako shark (*Isurus oxyrinchus*), Chinook salmon (*Oncorhynchus tshawytscha*), Coho Salmon (*Oncorhynchus kisutch*), Pink Salmon (*Oncorhynchus gorbuscha*) squid (*Doryteuthis opalescens*), striped marlin



(*Tetrapturus audax*), Dorado (*Coryphaena hippurus*), and mackerels (*Trachurus* spp.).

In soft substrate areas, the most common benthic habitat in the proposed cable route, fish species include flounders (Pleuronectoidei), soles (Soleidae), sanddabs (*Citharichthys* spp.), hagfish (Myxinae), Pacific cod (*Gadus macrocephalus*) and dogfish, skates and rays (Rajidae). Fish that typically associate with hard substrate habitats include multiple species of rockfish (*Sebastes* spp.), pacific cod (*Gadus macrocephalus*), and lingcod (*Ophiodon elongates*).

On hard bottom substrates, the impact footprint would be smaller than soft bottom substrates, and benthic organism recovery may require several years depending on the species. During their 2008 survey of the AT&T Asia-America Gateway S-5 cable, which ran parallel to previously laid cables in low-relief hard substrate, AMS (2008) reported that no noticeable impacts were detected with the previously laid cables. Two years after cable laying offshore of British Columbia, Dunham et. al (2015) reported that glass sponge reefs had recovered 85 percent cover compared to the control sites.

The proposed project is not likely to directly adversely affect individual fish. The cable installation vessel will move slowly allowing mobile species to flee, and vessel speeds will not result in noise levels that would cause injury. During installation in areas with soft substrate, fish will likely avoid areas with temporary turbidity increases. Disturbed sediment is likely to settle relatively quickly (within a matter of hours), and the narrow project footprint will not substantially limit available fish habitat. Thus, such impacts would not be significant. [Special Condition 16](#) requires RTI Infrastructure to submit a Critical Operations and Curtailment Plan describing the sea and weather conditions under which project activities can safely proceed, thus minimizing sediment dispersal by avoiding periods of storms or heavy seas.

### **3. Benthic habitat: Soft Substrate Areas**

RTI Infrastructure characterized the habitat and biological characterizations along the proposed cable routes through review of management reports and peer-reviewed publications, a synthesis of field survey data from similar fiber-optics projects, an ocean floor survey completed by EGS Survey Group in July 2020, and a report prepared by AMS (2020) on the “Marine Aquatic Habitats and Biological Resources Offshore Eureka, California.” These resources provide a picture of likely habitats and organisms that would be encountered along the proposed cable routes. Additionally, the proposed project included a geophysical survey conducted from the shore out to a seawater depth of 5,904 feet (1800 meters) for each of the proposed routes. Further, a biological survey was conducted for the cable alignments in water depths less than 600 feet to map different biological communities by habitat types, water depth, bottom slope, and bottom substrate type. According to these resources, the seafloor habitat along the route consists primarily of unconsolidated, soft-bottom habitats (e.g., gravel, coarse-grained and mixed sediments, sand, and mud), and the species found in such habitats are typical of the high-energy and dynamic environments of the California coast. Examples of dominant species present at shallow water depths (subtidal to 30 meters or 98.4 feet) include several species of red algae and ornate tubeworm (*Diopatra ornata*), crabs (*Cancer* spp.),

octopus (*Octopus* spp.), white sea pen (*Stylatula elongata*), sea cucumber (*Parastichopus californicus*), and sunflower star (*Pycnopodia helianthoides*). In coarser sand habitats, the invertebrate community is dominated by ornate tubeworms and narrow bands of sand dollars (*Dendraster excentricus*). From 30-150 meter (98.4-410 feet) depths, sea pens, several species of anemones, sea slug (*Pleurobranchia californica*), and sand star (*Luidia foliolata*) are present. Deeper species include sea urchins, sea pens, octopus, sea stars, and small polychaetes and crustaceans. In deeper areas (below roughly 600 meters or 1,968 feet), low oxygen conditions likely contribute to decreased abundance and biomass of invertebrates.

In evaluating the significance of potential impacts on soft-bottom habitat and associated biota, the MND states that effects to soft sediment biota from the proposed cable are anticipated to be minimal and short-term. In addition to being a relatively small area of disturbance compared to the preponderance of soft-bottom habitats offshore the coast of Northern California, potentially affected benthic infauna are common species that would readily repopulate the disturbed area after the cable is installed. Because the benthic habitat disturbance does not involve the removal of sediment, and due to the proximity of the disturbed sediments to undisturbed sediments, the amount of time required for benthic organisms to recover would be minimized.

#### **4. Benthic Habitat: Hard Substrate Impacts**

Cable-laying operations can adversely affect hard substrate habitat and associated biota if present. Hard substrates provide habitat and shelter for numerous sessile organisms, fish, and mobile invertebrates such as lobsters and crabs. Within the proposed cable route, the only habitat of concern that is present is rocky reef areas, which are located in the southern portion of the BOEM wind planning area ([Exhibit 7](#)). At these depths and deeper, if there are favorable high relief substrates, current speeds, and sedimentation rates, hard and soft corals can occur. In waters greater than 600 meters (1,968 feet), species include anemones, amphipods, polychaetes, gorgonians, sponges, shrimp, crinoids, brittle stars, and sea stars. Adverse effects on hard substrate habitats are potentially significant because: (a) deep-water reefs are relatively rare along this portion of the California coast; (b) they support a diverse assemblage of invertebrates; (c) they attract fish as a nursery ground, food source, and shelter; and (d) epibiota on rocky substrates are sensitive to disturbance.

Additional adverse effects to hard substrate could occur during cable installation and subsequent movement of the installed cable on the seafloor (i.e., from currents and wave action). In their study on the environmental impacts of a one- to three-inch submarine cable in Half Moon Bay, Kogan et al. (2006) found scrapes and vertical grooves in rocky substrate along the cable route, and typical epifaunal organisms were absent. Placement of the project cable on rocky substrates can disrupt associated bottom communities, crushing and/or dislodging small, sessile or relatively sedentary invertebrates along a narrow strip. Sessile species may experience repeated, localized disturbances throughout the life of the cable if it moves due to current action.



According to the MND, the rocky reefs identified in [Exhibit 7](#) were based on NOAA-identified potential HAPCs. Although the Singapore cable shows crossing rocky reefs south of the Bureau of Energy Management (BOEM) Wind Planning Area, it does not mean that rocky reefs are actually present at that location because of the scale of NOAA data maps. Surveys conducted in 2020 show that the southernmost proposed cable skirts an area of hard substrate to the south but avoids potential hard substrate outcropping and remains in soft substrate habitat. Additionally, per the applicant's proposed mitigation measures, all known or encountered rocky reefs would be avoided. Additionally, [Special Condition 14](#) requires RTI Infrastructure to conduct a post-lay burial survey that includes quantification of any impacts to hard substrate areas. Should the post-lay burial survey show that impacts to hard substrate did occur, RTI Infrastructure would be required to mitigate those impacts, similar to previous submarine cable projects approved by the Commission.

In previous marine cable approvals, the Commission has estimated the area of impact by multiplying the length of cable installed over hard substrate by double the cable width to account for limited cable movement following installation, and then has required project applicants to pay a hard substrate mitigation fee to compensate for adverse effects to hard substrate and associated biota. These mitigation funds have been directed to the UC-Davis Wildlife Health Center's California Lost Fishing Gear Recovery Project for removal of lost or discarded commercial fishing gear. Such gear is hazardous to divers and wildlife including seabirds, fish, turtles, sea otters, and other marine mammals. Derelict fishing gear can continue to "catch" fish and marine animals, and it can damage the habitat upon which it becomes entangled or upon which it rests.

In CDP/Consistency Certification no. E-08-021/CC-005-09, the Commission approved a mitigation fee of \$100,000 to the Recovery Project as compensation for impacts to 5,500 square feet of hard substrate. In subsequent marine cable projects, the Commission relied on this fee to impact ratio to calculate compensatory funds. In 2016, the Commission staff analyzed data provided by the Recovery Project to determine that it was able, on average, to achieve marine habitat enhancement at a mitigation to impact ratio of 2.7 to 1 for a cost of \$12.38/square foot (\$15.20 in 2021 dollars). For cable projects approved in 2016 or after, including the projects listed in Section V.B., the Commission has applied this \$12.38 cost per square foot ratio (adjusted for inflation) to calculate the mitigation fee for project-specific impacts to hard bottom substrate.

Additionally, the Commission has applied a 3:1 mitigation to impact-area ratio since the Recovery Project removes chronic sources of habitat and wildlife disturbance and loss but does not further restore habitat. The actual "restoration" of habitat is achieved through natural recruitment of organisms over time (Lissner et al. 1991). Compensating for a time lag between an impact and restoration is a key consideration when the Commission applies mitigation ratios larger than 1:1. Additionally, unlike terrestrial mitigation where the Commission generally requires conservation easements or similar future protection measures, comparable measures are not available to perpetually protect marine mitigation sites. Future anthropogenic disturbance of a Recovery Project site could occur; for example, fishing gear could be re-deployed at the site. Such long-term uncertainty also

justifies applying a 3:1 mitigation ratio.

These considerations are incorporated into [Special Condition 14](#), which requires RTI Infrastructure to compensate for hard bottom habitat impacts, if any are incurred, through payment of a compensatory mitigation fee. The fee will be calculated by applying a 3:1 mitigation ratio to the square footage of impacted hard bottom (based on the post-lay burial survey required by [Special Condition 13](#)) and using a rate of \$15.20 per square foot. The total square footage of hard bottom impact will be calculated by multiplying the linear distance of cable laid on or suspended over hard bottom by twice its width. The mitigation work will be carried out pursuant to a Memorandum of Agreement (MOA) by and between the Commission and the Regents of the University of California on behalf of the Recovery Project. Upon receipt of mitigation funds, the Recovery Project will submit a spending plan to the Executive Director for review and approval.

With these conditions in place, the Commission finds that removing lost fishing gear and other debris will offset impacts to hard substrate areas, if any, caused by cable-laying activities. Thus, impacts to hard bottom habitat and the associated benthic species will be minimized, consistent with the requirement in Section 30230 of the Coastal Act that marine resources be maintained, enhanced, and where feasible, restored.

## **5. Marine Water Quality Impacts**

The project is proposed for a portion of the California Coast where water transport is dominated by the broad, southward flowing California Current. Water quality is affected by general oceanographic conditions as well as terrestrial point and non-point sources of pollutants. Potential marine water quality effects from the proposed project include: (1) increased turbidity during cable installation and the suspension and resettling of contaminated sediments; (2) the release of fuel, sewage or bilge/ballast water from project vessels; (3) increased erosion, sedimentation, and other effects from terrestrial construction; and (4) inadvertent release of drilling materials (frac-outs) during installation of steel bore pipes.

### ***Turbidity and Redistribution of Contaminated Sediments***

Water jetting operations and use of the cable plow will result in localized increases in turbidity. Project corridor sediments largely consist of sand and will settle rapidly following disturbance, resulting in minor, temporary (up to a few hours) water quality impacts. Disturbed sediments could include contaminants, resulting in their potential dispersal and subsequent uptake by benthic organisms. As previously noted, the cable was originally routed through the expanded HOODS site, however, it has been modified to avoid that area. However, no substrate areas with known contamination have been identified along the proposed cable route. In addition, project construction is not likely to result in significant redistribution of sediments, and any sediment resuspension will be minor and temporary.

### ***Project Vessel Releases***

Project vessels could accidentally discharge fuel, sewage, bilge water, debris, or ballast water. Although the likelihood of such a spill occurring is low, the project MND includes measures (incorporated into this permit by [Special Condition 3](#)) to reduce the risk of a

vessel spill, including Spill Contingency and Hazardous Materials Management Plans. In addition, [Special Condition 15](#) requires RTI Infrastructure to submit a Spill Prevention and Response Plan for Executive Director approval which is required to demonstrate that adequate spill response equipment is available for the worst-case spill scenario. [Special Condition 16](#) requires RTI Infrastructure to implement an Executive Director-approved Critical Operations and Curtailment Plan (COCP) that defines the limiting weather conditions that would hinder safe operation of vessels or a potential spill cleanup. Finally, [Special Condition 17](#) requires implementation of a zero-discharge policy for all project vessels.

### ***Water Quality Effects from Terrestrial Activities***

Terrestrial activities associated with the construction of the proposed project could result in enhanced erosion and stormwater discharges to sensitive habitats. However, as described in the MND, the proposed project will include water quality control measures and best management practices to address potential erosion and stormwater effects.

Additionally, inadvertent releases of oil or other hazardous material from construction-related vehicles or equipment could degrade water quality of nearby ground or surface waters. To minimize the likelihood of such a spill, the MND includes measures (incorporated into this permit by [Special Condition 3](#)) that require RTI Infrastructure to develop a Spill Contingency Plan for terrestrial construction activities, conduct worker training, maintain equipment to avoid leaks, and employ safe refueling practices ([Exhibit 5](#)). Implementation of these measures will minimize the potential for an inadvertent release of hazardous materials during construction activities.

### ***Frac-outs during HDD Operations***

RTI Infrastructure will use a non-toxic drilling fluid containing bentonite during HDD operations proposed to construct the steel landing pipes. These operations could result in the inadvertent release of drilling fluids (i.e., a frac-out) onto the beach or ocean bottom above the bore. Although it does not pose an acute toxicity threat, bentonite releases can smother benthic organisms and contribute to localized turbidity. [Special Condition 18](#) requires an Inadvertent Release Contingency Plan with provisions to use water as a drilling fluid for the last 60-100 feet of the HDD bore, implement a monitoring procedure using fluorescent dye to detect a frac-out occurring on the seafloor where visibility is poor, and protocols to be followed in the event of a loss of drilling pressure and a confirmed frac-out. With these measures in place, the potential for a frac-out will be minimized; in the event a frac-out does occur, RTI Infrastructure will have procedures in place to ensure that any impacts are temporary and minor.

## **6. Conclusion**

For the reasons discussed above, the Commission finds that the proposed project, as conditioned by [Special Conditions 1 through 21](#), will be carried out in a manner that maintains marine resources and sustains the biological productivity and quality of coastal waters and protects against the spillage of hazardous substances into the marine environment, and is therefore consistent with Coastal Act Sections 30230, 30231, and 30232.

## F. ENVIRONMENTALLY SENSITIVE HABITAT

Coastal Act Section 30240(b) states:

- (c) *Development in areas adjacent to environmentally sensitive habitat areas and parks and recreation areas shall be sited and designed to prevent impacts which would significantly degrade those areas, and shall be compatible with the continuance of those habitat and recreation areas.*

The proposed project includes the installation of four steel bore pipes beneath the beach ([Exhibit 2](#)) which, in this area, is used for recreational purposes and is primarily unvegetated. At the landing site and study area (which includes a 100-foot buffer), the only identified environmentally sensitive habitat site is Coastal Dune willow thicket, which comprises approximately 4% (.176 acres) of the total area. Although neither thicket is associated with a watercourse, they were mapped as CCC wetlands because they are dominated by willows, which are facultative wetland species, and because they are within depressions in the landscape where rainy season high water tables are likely. Additionally, degraded dune mat, a CDFW sensitive natural community is present on approximately 0.680 acres of the study area.

There were 24 special-status wildlife species identified with the potential to occur in or near the study area. Specifically, three of these species (Northern harrier, White-tailed kite, and Western bumble bee) have moderate to low potential to occur in the study area or to be affected by Project activities. Two field surveys were conducted by a qualified third-party wildlife biologist to evaluate existing conditions, including vegetation composition, aquatic resources, and land use to determine the potential for special-status wildlife species to occur on the Project site. The second survey was to determine whether the Project supported hive or nesting habitat and pollen or nectar sources. Both surveys also included the survey of two plots to determine use by special-status bumble bee species. Suitable nectar sources and multiple species of insect pollinators were observed, although the nearest western bumblebee was documented 5 miles away from the site. The site lacked hive or nest substrates, and consultation with CDFW concluded that there is no potential for the western bumble bee to nest in the study area. The area did not contain suitable nesting habitat for either Northern harrier or white-tailed kite. Both have been documented foraging nearby and may use the landing site for forage.

One special status plant species, the dark-eyed gilia, was observed in the study area and can be seen on the mapped area of the site in [Exhibit 3](#).

The actual construction of the landing vault and its components by Vero Networks at the site described above is outside the scope of this project, and those impacts have been considered through a separate CDP (1-20-0455). Worth noting is that the impacts to special status plant species are unlikely and will be mitigated through measures such as environmental awareness training, flagging of sensitive areas, limiting areas of temporary impact, having a biological monitor present, and invasive species prevention. The

information is included here to give a clear picture of the environment and understand the habitat at the terminus of the cables.

For this project, specifically, terrestrial components include use of the staging area, and installation on the landing pipes through the landing vault by horizontal directional drilling (HDD). The staging area is at the existing cable landing site and along the existing road leading to the project site. Potential impacts resulting from the HDD activities include a small risk of release of drilling fluid (water and bentonite) into the environment. A release of drilling fluid would be detected through the addition of Rhodamine dye, which is an environmentally safe fluorescent dye to enable early detection of leaked drilling fluid.

The applicant has proposed to mitigate impacts to sensitive terrestrial communities through measures included in [Exhibit 5](#), which include:

- Worker Environmental Awareness Training
- Refueling the HDD machine in a designated fueling area.
- Biological surveying and monitoring onsite full-time during equipment mobilization and construction
- Delineating work limits to protect sensitive biological resources, including placing construction barriers around dark-eyed gilia
- Installing wildlife escapement ramps or trenches
- Preparing and implementing an inadvertent return contingency plan
- Conducting pre-construction nesting bird surveys and implementing avoidance measure
- Implementing BMPs for HDD activities

In conclusion, with the incorporation of [Special Condition 3](#), the Commission finds that habitat supporting special-status species and nesting birds would be protected against disruption of habitat values, and thus, that the proposed project would be consistent with Section 30240 of the Coastal Act.

## **G. COMMERCIAL AND RECREATIONAL FISHING**

Coastal Act Section 30234.5 states:

*The economic, commercial, and recreational importance of fishing activities shall be recognized and protected.*

The proposed project could adversely affect fishing through temporary preclusions of fishing activity associated with cable installation or through interactions between cables and fishing gear, particularly bottom trawls and other bottom contact gear.<sup>1</sup> The southernmost proposed cable route skirts the outer known limits of an area identified by NOAA as potential HAPC hard bottom substrate, so it is feasible that cable may lay on the bottom. This is important because in areas where the cable is not buried, is insufficiently

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<sup>1</sup> Bottom long-lines also have a high potential for interaction with cables, however, this gear is now prohibited in California.



buried, or becomes exposed, bottom trawls or other bottom contact gear may be snagged, damaged, or abandoned, resulting in gear damage or loss and subsequent financial losses.

Commercial fishing will be precluded from the cable installation corridor during cable installation, which is anticipated to last up to 30 days. Pursuant to the federal Submarine Cable Act (47 U.S.C. 21 §24), all vessels are required to maintain a distance of at least one nautical mile from a vessel laying or repairing a cable and one-quarter mile from a buoy marking the position of a cable when being laid or out of order. This de facto fishing preclusion will be temporary and will cover a small, constantly changing area as the cable is laid and/or buried. Ample fishing and boating areas unaffected by this vessel exclusion zone will remain in the immediate vicinity and will minimize impacts to fisherman from cable-laying activities.

To minimize the potential for gear snags, RTI sited the cable to avoid hard bottom areas thus maximizing the amount of cable buried. Careful review of the cable route survey data indicates that the proposed cable alignment skirts and identified hard bottom area, remaining in soft substrate where it can be buried. Further, [Special Condition 5](#) requires RTI Infrastructure to bury the cable to a depth of one meter in waters up to 1,800 meters, except where precluded by seafloor conditions. Where a one-meter burial depth cannot be achieved, RTI Infrastructure will bury the cable to the maximum depth feasible.

Buried cable will minimize the potential for fishing gear entanglement and gear damage or loss. RTI Infrastructure will lay the cable on the seafloor and will not attempt to bury it in waters greater than 1,800 meters in depth, but the types of fishing equipment in such areas are not expected to interact with the cable on the seafloor.

Additionally, specifically for this cable, [Special Condition 19](#) requires RTI Infrastructure to join and abide by the terms of the Amended and Restated Northern California Cable & Fishing Agreement (Fishing Agreement), included as [Exhibit 6](#). The Fishing Agreement will be signed by RTI Infrastructure and the North Coast Fishermen's Cable Committee (Fishermen's Association), which is a non-profit corporation made up of various local fishermen's associations (both trawl and non-trawl). The Fishing Agreement provides the fishing industry with a forum to address issues with cable installation and operation and to compensate fishermen for gear loss associated with snagging on the cables. It also requires cable companies to provide funding for administering the Fishing Agreement, contains communication and coordination measures the cable companies are to undertake to address project-related fishing issues and concerns, and provides funding to be allocated toward projects that address fishing-related interests, per the terms of the Fishing Agreement.

Before RTI submitted a CDP application to the Coastal Commission or a lease application to the State Lands Commission, RTI drafted and executed a fishing agreement (the Northern California Cable & Fishing Agreement, dated June 25, 2020) with the Fishermen's Association, which at that time only included members of the trawl community that fish in North Coast waters. However, fishing organizations that represent other gear

types felt that this agreement excluded a large portion of the industry from accessing the mitigation funds and having representation on the region's Fishermen's Association. Although trawl gear, which penetrate seafloor substrates, is more likely to get snagged and lost on cables, the cables can also affect Fishermen using non-trawl gear as well, especially those that use gear that have the potential to contact the seafloor, or through secondary entanglement. These concerns were raised to Coastal Commission and State Lands Commission staff and at the California State Lands Commission (CSLC) hearing in February, 2021. In response, CSLC required, as part of its lease, that RTI make efforts to develop a revised agreement that included broader representation from the fishing community.

Based on this lease requirement, and as a filing requirement for its CDP application, RTI subsequently engaged in a series of discussions with fishing organizations on the North Coast representing a broad array of gear types, and it drafted revisions to the original Fishing Agreement to include representation from non-trawl fishermen. Among other things, RTI and these organizations agreed to add additional seats to the Board of Directors for the Fishermen's Association, such that two-thirds of the Director seats would be filled by trawlers and one-third would be filled by non-trawlers. This representation change will allow for non-trawl members to vote on uses of the fisheries improvement fund, receive compensation for their time at meeting attendance, and participate in the annual funds audit that is required pursuant to the State Lands Commission lease. The Amended and Restated Northern California Cable & Fishing Agreement has not yet been signed by RTI Infrastructure and the Fishermen's Association; however, those entities, as well as the non-trawl fishermen's groups that have an interest in participating in the Fishermen's Association, have signed a letter agreement that commits the relevant parties to executing the Amended and Restated Northern California Cable & Fishing Agreement in a form substantially the same as that attached as [Exhibit 6](#), as well as amending the bylaws of the Fishermen's Association to reflect the changes made by the Amended and Restated Northern California Cable & Fishing Agreement. The partly executed letter agreement is attached as [Exhibit 6](#). [Special Condition 19](#) requires that these amended bylaws be submitted to the Executive Director prior to installation of the cable. This condition also requires that no funding be issued until the bylaws of the fishing agreement have been amended and also that annual financial reports be submitted to the Executive Director.

To further minimize the potential for exposed cable, [Special Condition 6](#) requires RTI Infrastructure to submit a Cable Slack Management Plan to the Executive Director for review and approval, describing how RTI Infrastructure will identify and eliminate cable suspensions during installation. [Special Condition 7](#) requires RTI Infrastructure to provide radio announcements of cable installation activities and weekly notices of preliminary as-built coordinates of any unburied or exposed cable sections during cable installation to the Executive Director, the U.S. Coast Guard (for publication in a *Notice to Mariners*), and the signatories of the Fishing Agreement. [Special Condition 8](#) requires RTI Infrastructure to submit to the signatories of the Fishing Agreement electronic and hard copy final as-built plans on NOAA navigation charts. [Special Condition 9](#) requires RTI Infrastructure, within 60 days of cable installation, to submit evidence to the Executive Director that the

company has submitted the geographical coordinates of the as-built cable to enable NOAA to update its navigational charts.

To make sure that the cable remains buried, [Special Condition 11](#) requires a re-survey of the cable no later than five years following its installation. Following this re-survey, [Special Condition 11](#) requires that after any event that has the potential to affect the cable, RTI Infrastructure will survey those potentially affected portions of the cable route from the mean high tide line to the seaward limit of the territorial waters of the State of California. The purpose of this survey will be to verify that the cable has remained buried consistent with the as-built cable burial plan required by [Special Condition 8](#).

Within 30 days of survey completion, RTI Infrastructure is required to submit to the Executive Director a report describing survey results. If the survey indicates that there has been significant change to the burial status of the cable, RTI Infrastructure is required to submit to the Executive Director a re-burial plan.

To further ensure that impacts to fisherman are minimized, [Special Condition 20](#) requires RTI Infrastructure to provide notice of proposed cable repair or re-burial to the Executive Director and in a US Coast Guard Notice to Mariners 15 days prior to any cable repair or maintenance activity, or as soon as possible for any emergency repairs. Finally, within 90 days of either taking a cable out of service or after the expiration or termination of RTI Infrastructure's lease from the CSLC, [Special Condition 12](#) requires RTI Infrastructure to apply for an amendment to this permit to remove the cable from the seafloor.

With implementation of these special conditions, the Commission finds that project-related impacts to commercial and recreational fishing will be minimized and fishing activities protected, and thus, the proposed project is consistent with Section 30234.5 of the Coastal Act.

## **H. PUBLIC ACCESS AND RECREATION**

Coastal Act Section 30210 states:

*In carrying out the requirement of Section 4 of Article X of the California Constitution, maximum access, which shall be conspicuously posted, and recreational opportunities shall be provided for all the people consistent with public safety needs and the need to protect public rights, rights of private property owners, and natural resource areas from overuse.*

Coastal Act Section 30220 states:

*Coastal areas suited for water-oriented recreational activities that cannot readily be provided at inland water areas shall be protected for such uses.*

As described previously, recreational boaters must avoid the preclusion zones created by cable installation and repair activities, which will be temporary and will cover a small and constantly changing area. Ample access to other recreation and boating areas will remain. Once the cable is laid, full access will be restored. Thus, the effect of project-related boating



disruption is minor and temporary.

The terrestrial portion of this project, including work by Vero Networks, will take place for approximately 8.5 months (daylight hours, seven days a week). The marine/offshore work of this project will continue 24 hours a day, seven days a week for about four weeks for each cable. The Project and cable laying is projected to begin in Summer 2021.

Thus, for the reasons stated above, the Commission finds that project-related impacts to public access and recreation will be minimal and temporary and therefore concludes that the project is consistent with Sections 30210 and 30220 of the Coastal Act.

## I. CULTURAL RESOURCES

Coastal Act Section 30244 states:

*Where development would adversely impact archaeological or paleontological resources as identified by the State Historic Preservation Officer, reasonable mitigation measures shall be required.*

Coastal Act Section 3060(h) states:

*When acting on a coastal development permit, the issuing agency, or the commission on appeal, may consider environmental justice, or the equitable distribution of environmental benefits throughout the state.*

Project activities could disturb or damage shipwrecks, archeological and paleontological resources, or Native American artifacts by destroying a previously unrecorded resource or disrupting the site such that the resource's historic or archaeological context is altered adversely.

### Onshore Resources

A cultural resource record search identified potential historic resources (shipwrecks) within the Project vicinity. The MND for the proposed project documents project-related consultation with the Native American Heritage Commission and four Native American tribes. In this process, two Tribal representatives expressed no knowledge of tribal or cultural resources within the project area, but did request the inclusion of inadvertent discovery protocol, which has incorporated into the applicant's mitigation measures. Through [Special Condition 3](#), this requirement is incorporated into this CDP.

A paleontological resources records search resulted in a low likelihood of encountering buried paleontological deposits as the Project area soils are geologically young, and there are no known paleontological resources within the cable landing site. However, the MND also identifies a general potential for previously undiscovered archeological resources or historical resources in the project area. To minimize the potential for damage to these resources, the MND includes several measures, incorporated into this CDP through [Special Condition 3](#), that require RTI Infrastructure to monitor, evaluate, report, and appropriately care for any discovered resources through measures to be undertaken if a

previously unknown cultural or tribal resource is discovered, if human remains are discovered, and preparation and implementation of a Cultural Resource Monitoring Plan including participation of a Native American Tribal monitor (see [Exhibit 5](#)).

### **Offshore Resources**

In the offshore environment, project-related activities have the potential to disturb, disrupt or degrade prehistoric sites and watercraft and historic shipwrecks found on or within ocean sediments. RTI Infrastructure conducted an initial inventory of shipwrecks and downed aircraft within 10 miles (16 km) of the project corridor by consulting several state and federal agency sources and databases, including the Bureau of Ocean Energy Management, NOAA, the National Register of Historic Places, California Historical Landmarks, and local archives. Many of the shipwrecks that were located in the course of research did not include accurate locations or had not been assessed for eligibility listing in the CRHR. Most shipwrecks in the study area are generally located close to shore, with a very limited number occurring offshore and beyond the OCS. In total, 146 documented shipwrecks, unknown wreckage, and debris were located within the 10-mile area surrounding the cable route.

Unfortunately, as shipwrecks do not have specific known locations it is impossible to conclude that the cable route avoids them. Because of the potential presence of shipwrecks at the projects landing site and along the cable routes, the project has proposed to mitigate these impacts by conducting a pre-construction acoustic survey for archaeological resources, a pre-construction offshore historic shipwreck survey conducted by a qualified maritime archaeologist, and preparing/implementing an impact and avoidance plan ([Special Condition 3](#)).

In conclusion, the Commission finds that based on these factors and with the above-referenced mitigation measures, the project would not adversely impact archaeological, paleontological, or tribal cultural resources and is therefore consistent with Section 30244 of the Coastal Act as well as environmental justice principles as articulated in the Commission's Tribal Consultation Policy.

## **J. GEOLOGY**

Coastal Act Section 30253 states:

*New development shall...:*

*(b) Assure stability and structural integrity, and neither create nor contribute significantly to erosion, geologic instability, or destruction of the site or surrounding area or in any way require the construction of protective devices that would substantially alter natural landforms along bluffs and cliffs.*

The nearshore portions of the project do not cross any active fault. However, the region is subject to strong ground shaking from earthquake activity, during which liquefaction of unconsolidated beach sands could occur. Humboldt County is located within two of the

highest five seismic risk zones specified by the Uniform Building Code. The Cascadia Subduction Zone runs north offshore of Humboldt County, Del Norte County, Oregon and Washington. Research shows that this system produced a series of great earthquakes (magnitude 8 to 9) over the last 20,000 years at intervals of 300-500 years. The last great earthquake occurred about 300 years ago. Liquefaction of the upper several meters of sea floor sediments in which the cable is to be installed is also possible. The density of the cable is greater than that of liquefied sediments, and so the cable may sink within such sediments to a greater depth than at installation.

### **Stability of Landing Site**

As described in the MND, the landing site at Samoa is potentially susceptible to liquefaction in a ground-shaking event. However, the proposed installation includes non-occupied infrastructure that will be approximately 35 feet below the surface of the beach dunes, beginning from a location approximately 1000 feet inland of the shoreline ([Exhibit 3](#)). In the unlikely event that cable infrastructure on the beach is exposed, [Special Condition 21](#) requires that RTI Infrastructure rebury project components should they become exposed in the future.

### **Geologic Processes and the Submarine Cable**

To address potential effects on the submarine cable related to potential scour and erosion associated with marine currents and waves, [Special Condition 5](#) requires RTI Infrastructure to bury the cable to a depth of one meter where feasible. Even with this measure in place, it is possible that the cable could become damaged or exposed due to scouring from submarine currents. Areas of relatively steep slopes (up to 15 % grade) could be subject to slumping and/or sliding substrates, which could expose or break the cable. [Special Condition 11](#) requires that after any event that has the potential to affect the cable, RTI Infrastructure will survey the potentially affected portions of the cable route to verify that the cable has remained buried consistent with the as-built cable burial plan required by [Special Condition 8](#). If the survey shows that previously buried portions of the cable have become exposed, RTI Infrastructure is required to submit to the Executive Director and then implement a re-burial plan.

With implementation of [Special Conditions 5, 8, 11](#), and [21](#), the Commission finds that the proposed project will minimize risks from geologic hazards to life and property and is therefore consistent with Section 30253 of the Coastal Act.

## **K. CALIFORNIA ENVIRONMENTAL QUALITY ACT**

Section 13096 of the Commission's Code of Regulations requires Commission approval of Coastal Development Permits to be supported by a finding showing the permit, as conditioned, is consistent with any applicable requirements of the California Environmental Quality Act (CEQA). Section 21080.5(d)(2)(A) of CEQA prohibits a proposed development from being approved if there are feasible alternatives or feasible mitigation measures available which would substantially lessen any significant adverse effect which the activity may have on the environment.

The proposed development has been conditioned in order to be found consistent with the Chapter 3 policies of the Coastal Act. Mitigation measures, including conditions addressing marine resources, dredge and fill of coastal waters, water quality, ESHA, public access and cultural resources will minimize all adverse environmental impacts. As conditioned, there are no feasible alternatives or feasible mitigation measures available which would substantially lessen any significant adverse impact which the activity may have on the environment, and there are no remaining significant impacts on the environment. Therefore, the Commission finds that the proposed project is the least environmentally-damaging feasible alternative and is consistent with the requirements of CEQA.

## **L. FEDERAL CONSISTENCY**

The Commission's action in this case authorizes both a CDP for the proposed project and results in a conditional concurrence with RTI Infrastructure's federal consistency certification. In the case of a conditional concurrence with a consistency certification, the following procedures are triggered under the federal consistency regulations (15 CFR Part 930):

### 930.4 Conditional Concurrences.

*(a) Federal agencies, applicants, persons and applicant agencies should cooperate with State agencies to develop conditions that, if agreed to during the State agency's consistency review period and included in a Federal agency's ...approval under subparts D ... of this part, would allow the State agency to concur with the federal action. If instead a State agency issues a conditional concurrence:*

*(1) The State agency shall include in its concurrence letter the conditions which must be satisfied, an explanation of why the conditions are necessary to ensure consistency with specific enforceable policies of the management program, and an identification of the specific enforceable policies. The State agency's concurrence letter shall also inform the parties that if the requirements of paragraphs (a)(1) through (3) of the section are not met, then all parties shall treat the State agency's conditional concurrence letter as an objection pursuant to the applicable Subpart and notify, pursuant to §930.63(e), applicants, persons and applicant agencies of the opportunity to appeal the State agency's objection to the Secretary of Commerce within 30 days after receipt of the State agency's conditional concurrence/objection or 30 days after receiving notice from the Federal agency that the application will not be approved as amended by the State agency's conditions; and*

*(2) The ... applicant (for Subpart... D...), ... shall modify the applicable plan, project proposal, or application to the Federal agency pursuant to the State agency's conditions. The Federal agency, applicant, person or applicant agency shall immediately notify the State agency if the State agency's conditions are not acceptable; and*

*(3) The Federal agency (for Subpart... D...) shall approve the amended application (with the State agency's conditions). The Federal agency shall immediately notify the State agency and applicant or applicant agency if the Federal agency will not approve the application as amended by the State agency's conditions.*

*(b) If the requirements of paragraphs (a) (1) through (3) of this section are not met, then all parties shall treat the State agency's conditional concurrence as an objection pursuant to the applicable Subpart.*

If the applicant were not to agree to the conditions, the federal consistency regulations require the Commission to notify the applicant as follows:

### **Right of Appeal**

Pursuant to subsection (a)(1) quoted in the prior section and Subpart H of the federal consistency regulations, within 30 days from receipt of notice of a Commission conditional concurrence to which RTI Infrastructure does not agree, RTI Infrastructure may request that the Secretary of Commerce override this objection. 15 CFR §§ 930.4(a)(1) & 930.125(a). In order to grant an override request, the Secretary must find that the proposed activity for which RTI Infrastructure submitted a consistency certification is consistent with the objectives or purposes of the Coastal Zone Management Act, or is necessary in the interest of national security. A copy of the request and supporting information must be sent to the Commission and the U.S. Army Corps of Engineers. The Secretary may collect fees from RTI Infrastructure for administering and processing its request. [Note: This right of appeal does not apply to the CDP, but only to the activity authorized under the consistency certification.]

## **APPENDIX A: SUBSTANTIVE FILE DOCUMENTS**

### **Coastal Development Permit Application and Federal Consistency Certification Materials:**

Application for Coastal Development Permit 9-21-0165, dated March 11, 2021, and Consistency Certification CC-0004-21, dated March 11, 2021.

Notice of Application Incompleteness for Coastal Development Permit 9-21-0165/CC-0004-21, dated April 9, 2021.

Electronic correspondence (letter of agreement and draft amended bylaws) from Chris Brungardt, RTI Infrastructure, to Amanda Cousart, Coastal Commission staff, dated July 22, 2021.

### **Environmental Documents:**

Applied Marine Sciences, Marine Aquatic Habitats and Biological Resources Offshore Eureka, California. Prepared for RTI Infrastructure, August 2019, Rev: July 2020.

Magnuson-Stevens Fishery Conservation and Management Act – Essential Fish Habitat Assessment for the Eureka Subsea Fiber Optics Cables Project. Prepared by ICF for RTI Infrastructure, Inc., January 2021

State Lands Commission, *Initial Study/Mitigated Negative Declaration for RTI Infrastructure, Inc. Eureka Subsea Fiber Optic Cables Project*. December 2020.

Macfarlane Archeological Consultants. Marine Cultural Resources Technical Report: Eureka Subsea Cables Project, prepared for RTI Infrastructure, Inc., July 2020.

EGS Survey Group ECHO Submarine Cable System Marine Route Survey. July 2020

### **Published Articles and Reports:**

Kogan, Paul, Kuhnz, Burton, Von Thun, Greene, and Barry, 2006. *ATOC/Pioneer Seamount cable after 8 years on the seafloor: Observations, environmental impact*. Continental Shelf Research, Vol. 26, pp. 771-787.

Lissner, Andrew, Taghon, Gary, Diener, Douglas, Schroeter, Stephen, Dixon, John, 1991. Recolonization of Deep-Water Hard-Substrate Communities: Potential Impacts from Oil and Gas Development. Ecological Applications, Vol. 1, No. 3 (August 1991), pp. 258-267.



# Humboldt Community Services District

*Dedicated to providing high quality, cost effective water and sewer service for our customers*

## AGENDA REPORT

**For HCSD Board of Directors Regular Meeting of:** August 10, 2021

**AGENDA ITEM:** G.1 (Old Business)

**TITLE:** Consideration of Storage of Humboldt County CERT Trailer at District Corporation Yard

**PRESENTED BY:** Terrence Williams, General Manager

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### Recommendation:

Discussion followed by a motion to approve the County's request to store CERT trailer at District's Corporation Yard.

### Summary:

During the June 8, 2021 meeting, staff was directed to request a letter of commitment from Humboldt County Office of Emergency Services (Humboldt OES) as a condition of considering this request. Despite raging wildfires, the surging pandemic and one of the most severe drought years on record, Humboldt OES director, Ryan Derby made time to talk with me and write a letter of commitment (included in this packet). One of the things that he emphasized during our conversation is that he and Humboldt OES are there to help the community during times of need. He said that he sees one of his jobs as building and repairing relationships in the community. He told me that any and all resources that he has available will be mobilized in the event of an emergency and that keeping utilities operational is a priority second only to life and limb. He also sent a letter that iterates a similar commitment.

The following is text from the previous agenda report regarding this topic for convenience:

The Humboldt County Office of Emergency Services (Humboldt OES) reached out to request space to store a trailer at the District's Corporation Yard. Humboldt OES operates a FEMA program called Community Emergency Response Team (CERT). The County program was recently the recipient of a grant through which they procured a trailer intended to be used as a base of operations for remote CERT deployments. The District's yard was selected as a candidate for storing the trailer because of our central location within the County, the locked access, and that we are a public agency. The trailer would be deployed to CERT Teams under the County's purview (McKinleyville and

Bridgeville) and could be loaned to other local CERT Teams upon request (Humboldt Bay Fire CERT, Shelter Cove Fire CERT etc.). The request includes access to the District's yard by three County personnel; Ryan Derby, Greg Waters and Andi Evans.

An email detailing the request from Humboldt OES is included in this packet.

To learn more about the FEMA CERT program, please navigate to the following location:

<https://www.ready.gov/cert>

To learn more about Humboldt OES, please navigate to the following location:

<https://humboldt.gov/356/Office-of-Emergency-Services>

**Fiscal Impact:**

None





# HUMBOLDT COUNTY SHERIFF'S OFFICE

WILLIAM F. HONSAL, SHERIFF/CORONER

CIVIL/COURTS  
(707) 445-7335

MAIN STATION  
826 FOURTH STREET • EUREKA CA 95501-0516  
PHONE (707) 445-7251 • FAX (707) 445-7298

CUSTODY SERVICES  
(707) 441-5159

August 4, 2021

Humboldt Community Services District  
5055 Walnut Drive  
Eureka, CA 95503

The Humboldt County Office of Emergency Services (OES) is dedicated to serving the population of Humboldt County through preparedness, prevention, protection, mitigation, response and recovery efforts in coordination with local partners and community stakeholders.

This letter of commitment is intended to serve as an assurance that OES will make every reasonable effort to communicate and coordinate with the Humboldt Community Services District in times of emergency and/or disaster through logistical support, the sharing of resources, and information. We are committed to ensuring that critical infrastructure is maintained in times of crisis and to assisting our partners in the delivery of essential services when resources and conditions allow. When practicable, OES will assist the Humboldt Community Services District in maintaining critical services to their service population through logistical support and communication of observed and/or expected impacts to the community.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ryan Derby".

Ryan Derby  
Humboldt County Sheriff's Office of Emergency Services  
rderby@co.humboldt.ca.us

MCKINLEYVILLE STATION  
(707) 839-6600

GARBERVILLE STATION  
(707) 923-2761

CORONER'S OFFICE  
(707) 445-7242

ANIMAL CONTROL  
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TRINITY RIVER STATION  
(530) 629-1025