RIO DELL

AGENDA

RIO DELL CITY COUNCIL SPECIAL MEETING TUESDAY, MAY 14, 2019 – 6:00 P.M. CITY COUNCIL CHAMBERS 675 WILDWOOD AVENUE

WELCOME . . . By your presence in the City Council Chambers, you are participating in the process of representative government. Copies of this agenda, staff reports and other material available to the City Council are available at the City Clerk's office in City Hall, 675 Wildwood Avenue. Your City Government welcomes your interest and hopes you will attend and participate in Rio Dell City Council meetings often.

- A. CALL TO ORDER
- B. ROLL CALL
- C. PLEDGE OF ALLEGIANCE
- D. PUBLIC PRESENTATIONS

This time is for persons who wish to address the Council on any matter not on this agenda and over which the Council has jurisdiction. As such, a dialogue with the Council or staff is not intended. Items requiring Council action not listed on this agenda may be placed on the next regular agenda for consideration if the Council directs, unless a finding is made by at least 2/3rds of the Council that the item came up after the agenda was posted and is of an urgency nature requiring immediate action. Please limit comments to a maximum of 3 minutes.

Members of the Public are encouraged to attend and shall have an opportunity to directly address the City Council concerning any item described in this special meeting agenda before or during consideration of that item.

E. CONSENT CALENDAR

- 1) 2019/0514.01 Approve Minutes of the May 7, 2019 Regular Meeting (ACTION)
- 2) 2019/0514.02 Approve Resolution No. 1422-2019 Adopting the Gann Appropriations Limit for FY 2019-20 (ACTION)
- 3) 2019/0514.03 Authorize City Manager and Chief of Police to Sign MOU with the City of Fortuna for Dispatch Services (ACTION)

- 4) 2019/0514.03- Adopt Resolution No. 1423-2019 authorizing the City Manager or designee to Execute Right-of-way Certifications for Transportation Projects Using State or Federal Funds. (ACTION)
- 5) 2019/0514.04- Acceptance of Work, Authorization to File a Notice of Completion and Release of Funds to Kernen Construction for Habitat Parcel Soil Nail Wall, Sidewalk and Fence (ACTION)
- 6) 2019/0514.05- Acceptance of Work, Authorization to File a Notice of Completion and Release funds to Mercer Fraser for 2019 Asphalt Street Repairs (ACTION)

E. SPECIAL MEETING MATTERS

- 1) 2019/0514.06 Review Draft Environmental Impact Report (DEIR) Executive Summary and Identify Areas of Concern (DISCUSSION/POSSIBLE ACTION)
- 2) 2019/0514.07 Budget Study Session Review of Operating and Capital Budget for FY 2019-2020 (DISCUSSION)

F. ADJOURNMENT



In compliance with the American with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Office of the City Clerk at (707) 764-3532. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to assure accessibility to the meeting.

The next Regular City Council meeting is scheduled for Tuesday, June 4, 2019 at 6:30 p.m.

RIO DELL CITY COUNCIL **REGULAR MEETING MINUTES** MAY 7, 2019

The regular meeting of the Rio Dell City Council was called to order at 5:30 p.m. by Mayor Garnes.

ROLL CALL:

Present:

Mayor Garnes, Councilmembers Richter, Strahan and

Wilson

Absent:

Mayor Pro Tem Woodall (excused)

Others Present:

City Manager Knopp, Finance Director Kerrigan, Chief of Police Conner, Water/Roadways Superintendent Jensen,

Wastewater Superintendent Taylor and City Clerk Dunham

Absent:

Community Development Director Caldwell

ANNOUNCEMENT OF ITEMS TO BE DISCUSSED IN CLOSED SESSION AS FOLLOWS:

Conference with Labor Negotiator - Designated Representatives: City Manager Kyle Knopp and Finance Director Brooke Kerrigan - Employee Organizations: Rio Dell Police Officers Association, Rio Dell Employees Association and all Contract Employees (Pursuant to Gov't Code Section 54957.6)

The City Council recessed into closed session at 5:40 p.m. with the City Manager.

The Council reconvened into open session at 6:30 p.m.

Mayor Garnes announced that there was nothing to report out of closed session.

PUBLIC PRESENTATIONS

Nick Angeloff provided a brief update on Chamber of Commerce activities and said that the Chamber Mixer held on Friday went good and was well attended. He said that tentatively Cookies are My Canvass would be the business featured at the next mixer in December. He also reported that the flower planting downtown was going well and thanked Mayor Pro Tem Woodall for doing a wonderful job.

Rick Pelren provided a brief update on the Anodonta Bi-Valve mussel, native to the Eel River and said that he spoke to the director of the Eel River Recovery Project and that they invited him to join their team for the restoration efforts of the Eel River. He mentioned that this mussel is not the only mussel native to the Eel River and working on the river bed would help protect this mussel as well as protect the salmon population.

CONSENT CALENDAR

Mayor Garnes asked if any councilmember, staff or member of the public, would like to remove any item from the consent calendar for separate discussion.

Councilmember Wilson removed Item #2, Resolution No. 1421-2019 Adopting a List of Projects for FY 2019/20 Funded by SB-1, the Road Repair and Accountability Act of 2017.

Councilmember Strahan noted that she had brought to the City Clerk's attention a minor correction to the minutes, which she corrected. She also stated for the record that she was opposed to Item #3, the Letter of Opposition to AB 1356 Related to Commercial Cannabis but did not wish to remove the item from the consent calendar for separate discussion.

Councilmember Wilson pointed out that the date on the April 21 minutes read "2016" rather than "2019." City Clerk Dunham acknowledged the correction.

Motion was made by Wilson/Richter to a approve the consent calendar including approval of the minutes of the April 16, 2019 regular meeting; and authorizing the Mayor to sign a letter of opposition to AB-1356 related to commercial cannabis. Motion carried 4-0.

ITEMS REMOVED FROM THE CONSENT CALENDAR

Approve Resolution No. 1421-2019 Adopting a List of Projects for FY 2019/20 Funded by SB-1, the Road Repair and Accountability Act of 2017, rescinding Resolution No. 1420-2019 Councilmember Wilson referred to the staff report under *Background and Discussion* and stated for clarification that the Council approved Resolution No. 1420-2019 on April 2, 2019 rather than April 16, 2019 as noted. He then referred to the list of projects pointing out that there were many projects identified that were beyond the original scope.

Finance Director Kerrigan explained that the original resolution did not meet the minimum requirements under the California Transportation Commission (CTC) statute but the list of projects and funding amount did not change. She said the new resolution includes the required information. She further explained that the \$55,746 of SB-1 funding for FY 2019/20 would be applied to street maintenance and staff time.

Councilmember Wilson asked if the City was required to use SB-1 funds on the projects identified in the Resolution.

Finance Director Kerrigan referred to the last page of the resolution under (2) which identified the list of projects planned to be funded.

Water/Roadways Superintendent Jensen pointed out that there are actually many other streets with potholes and in need of repair but these streets are the priority streets.

Motion was made by Wilson/Strahan to approve Resolution No. 1421-2019 Adopting a List of Projects for FY 2019-20 Funded by SB-1, The Road Repair and Accountability Act of 2017. Motion carried 4-0.

REPORTS/STAFF COMMUNICATIONS

City Manager Knopp provided an overview of the Staff Update and announced that the Finance Director had accepted a position with another jurisdiction and would be leaving the City at the end of the week. He wished her well in her next stage of her career. She received a big thank you and a round of applause.

He also reported that work was wrapping up on the habitat project and the street asphalt work; and noted that artist, Dan McCauley would be replacing the owl sculpture in the median with one an Ibex Ram on May 17th.

Councilmember Wilson questioned the cost of the new video/audio recording system for live broadcasts of City Council meetings.

City Manager Knopp noted that there were funds in the current budget for Access Humboldt with the cost for the installation of the equipment around \$5,000. He said that there were some additional costs for the sound system as well as some costs built in to extend the fiber connection however, no direct cost to the City.

Finance Director Kerrigan commented that there would be a monthly cost from Access Humboldt for broadcasting the meetings.

Councilmember Strahan expressed disappointment in Community Development Director Caldwell not being present as she had a question regarding his meeting with Litica Labs.

City Manager Knopp noted that he would have him follow up with her.

Sharon Wolff asked for a start date for the meetings to be broadcasted.

City Manager Knopp indicated that this meeting was being broadcasted and that it could be viewed through the Access Humboldt website or on the Suddenlink channel.

SPECIAL PRESENTATIONS/STUDY SESSIONS

<u>Presentation and Discussion on Draft Environmental Impact Report (EIR) for Terra Gen Wind Energy Project</u>

City Manager Knopp introduced Beth Burks and John Ford as the representatives from the County of Humboldt present to provide an overview of the Draft Environmental Impact Report for the proposed wind energy project.

Beth Burks provided a power point presentation outlining the key components of the project consisting of up to 60 wind turbine generators and associated infrastructure generating up to 155 MW of power. The maximum height of the turbines was reported as 600 feet with concrete foundations placed ten feet below grade and one foot above. The life span of the project was identified as 30 years at such time the applicant would have to reapply for a new Conditional Use Permit with the County of Humboldt or decommission the equipment. The large components would be shipped by barge to Fields Landing then trucked to the site from Jordan Creek. It was noted that there would be no heavy truck transports through Rio Dell.

Ms. Burks explained that through the EIR process, they identified project impacts, which included such things as visual impacts, aesthetics, noise, and air quality to name a few.

Project alternatives included having no project at all; realigning the gen-tie and access road and taking it to another location near Stafford and attaching it to the bridge thus eliminating underground drilling in the Eel River; reducing the project footprint by eliminating the turbines on Monument Ridge; or on Bear River Ridge.

It was noted that all written comments regarding the proposed project must be submitted to the Humboldt County Planning and Building Department by 5:00 p.m. June 5, 2019.

Councilmember Wilson asked what the definition is of a heavy truck and if it was included in the report.

Ms. Burks indicated that she anticipated a heavy truck as any construction truck larger than a pickup.

City Manager Knopp noted that mitigation measures were identified on page 3.12-14 of the report.

Councilmember Wilson asked what the two temporary bypasses entailed for transporting oversize loads.

Ms. Burks explained that it would require temporary road closures at the 12th St. bypass in Fortuna and at Hookton Road.

Councilmember Wilson asked what the estimated timeframe was for construction of the project.

Ms. Burks said that they hope to begin construction this calendar year with completion of the project by the end of 2020.

Councilmember Strahan noted that 600 feet is equivalent to 55 stories and that she recently went on a cruise through the Panama Canal and that there was a ship next to them that had blades that were massive.

She expressed concern regarding a limit on the distance from the turbines to the nearest airport with regard to the lights.

Ms. Burks explained that there would be a single light on each antenna or in accordance with Federal Aviation Administration (FAA) regulations.

Councilmember Strahan indicated that her father used to own Fortuna Aviation and flew planes in and out of the area. When there was heavy fog the plane would have to find that ridge and follow along the river back to the airport noting that it seems very dangerous to have these turbines this close to an airport. She suggested a radar system to detect planes nearby so lights come on when a plane is detected.

Mayor Garnes questioned air contaminants.

Ms. Burks said the primary source of air contaminants would be dust from the truck traffic.

Mayor Garnes commented that only two types of birds were mentioned as threatened species.

Ms. Burks stated that in the EIR report there are several other birds mentioned including mitigation measures for bats and owls.

Mayor Garnes asked why Monument Ridge and Bear Ridge were specifically chosen as the project site.

Ms. Burks said according to the applicant, it is because that is where the wind resource is.

Rich Pelren commented that everybody is interested in reducing the carbon footprint and that with these windmills being placed so high on the hill; he doesn't see them as blight to the community. He expressed concern about the 117,000 volts of power transmitted to the PG&E Bridgeville substation and asked if it would be transmitted overhead or underground. He expressed concern about negative effects to birds.

Ms. Burks agreed that that 117,000 is high voltage power and indicated that the power would be transmitted overhead.

Ranada Laughlin expressed concern about the truck traffic and asked if the proposed alternatives were set in stone or if there was flexibility to make modifications to them.

John Ford explained that one of the things they would like to do is have the ability to take some of the better elements of all the alternatives and provide environmental enhancements to create a superior alternative which is something they would probably recommend for approval.

Beverly Chang expressed concern about seismic activity and noted that Nathan Vajdos from Terra Gen noted that there was no extra consideration given in that regard.

Her other concern had to do with continual red lights blinking at odd times and commented that a radar tracking system was needed. She also expressed concern about decommissioning at the end of the 30-year agreement noting that there would be significant impacts. She said that the bond doesn't go into effect for 10 years and that she asked for a copy of the bond to review the terms and was denied because it apparently is not a public record.

Carol Hoopes asked for clarification of Beth Burks' position and asked what happens to citizen comments. A letter from Ms. Hoopes opposing the project was provided to staff as part of the record.

Ms. Burks noted that she works for Laco and Associates but is contracted with the County to work on the EIR. She explained that all comments go to the County and that they are required to respond to each and every one in the final EIR.

John Ford reviewed the EIR process and said that all comments are due by 5:00 on June 5, 2019. The Council will review the comments and respond to them in the final EIR which goes to the Board of Supervisors for final approval. He noted that on June 11th they will walk through the entire EIR document.

Morgan Dodson stated that getting the equipment to the site would require cutting down trees, which is a concern. She questioned the positive aspects of the project and whether local contractors would be utilized. She said that the creation of 15 permanent jobs over a 30-year project was a concern. She questioned the impact of the overhead transmission of power to the Bridgeville substation and expressed the need to utilize the power locally.

John Ford said in terms of the truck transporting equipment to the site, the needed improvements to the road were already identified in the EIR. He said the proposal is to remove trees, maintain the existing 24-foot roadway and to restore a 20-foot shoulder on each side for a total of 64 feet. He said the biggest positive aspect of the project is to create non-carbon based energy in keeping with the State's desire. He said that like to see an agreement with the power company for the energy to stay local but does not know if that is feasible. He indicated that the economy and jobs are in discussion but there are no promises at this time.

Councilmember Strahan asked if the new road at Jordan Creek would remain permanent for use by fire and other emergency vehicles.

John Ford said that the road has been served as access and will continue to be used by Humboldt Redwood Co. (HRC) for timber harvesting and other purposes.

Councilmember Strahan questioned the process for decommissioning.

John Ford indicated that they do need to look at the bond but it may be a private agreement between the applicant and the property owner. He said the concrete would be taken down three feet below grade and the rest of the concrete would remain on site.

Nick Angeloff spoke on behalf of the chamber of Commerce and said as this project moves, he understands there will be a source of revenue coming into the County and he would like to see a portion dedicated to Rio Dell and Scotia.

Councilmember Wilson asked what the voltage is coming out of King Salmon in which John Ford was not able to answer.

Councilmember Wilson said that he represents the City on the Redwood Coast Energy Authority (RCEA) Board and that it doesn't matter who buys the power and it will be consumed by the least path of resistance. He pointed out the RCEA currently purchases power from Washington.

He asked if the City actually has a say whether this project takes place or not, or if the decision is entirely up to the County.

John Ford responded that the County is the lead agency and has the final say since the location of the project site is within the County's jurisdiction.

Mayor Garnes commented that some of her constituents asked her if the City Council would write a letter to the County expressing the various concerns of the community.

Councilmember Strahan made motion that the City Council sends a letter of opposition to the County on the Humboldt Wind Energy project as proposed with the request to relocate the wind turbines to another ridge closer to the Bridgeville substation. In addition that if the project moves forward, that the City of Rio Dell gets a larger part of the tax.

Councilmember Wilson said that he would endorse the City putting together a statement expressing where the City Council as a whole stands.

City Manager Knopp said that staff's suggestion would be to schedule a special meeting to go over the mitigation measures and endorse an alternative(s). He said that there are a lot of nuances and details to this project. He said if after that the City Council could not support the project then that would be the time to address it with the County.

Councilmember Strahan withdrew her motion.

Consensus of the Council was to schedule a special meeting on May 14, 2019 at 6:00 p.m. to review the mitigation measures and alternatives in the EIR and come up with a list of concerns for submittal to the County by the June 5, 2019 deadline.

City Manager Knopp encouraged citizens to submit individual responses regarding the EIR to the County.

JJA, Inc. - Independent Auditor's Report for FY 2018-19

Finance Director Kerrigan introduced Brett Jones, Senior Accountant from the accounting firm of JJA, Inc. present to provide a presentation on the City's audited financial statements for FY 2018-19.

Mr. Jones provided an overview and analysis of the financial activities of the City for the fiscal year ended June 30, 2018, noted that they were able to issue the highest opinion (unqualified opinion) in accordance with auditing standards, and generally accepted accounting principles as applied to governmental agencies. He said that they also issued a communications letter to the City council with no reported findings thanks to the Finance Director and the finance staff.

He called for questions from the Council in which no questions or comments were received.

SPECIAL CALL ITEMS/COMMUNITY AFFAIRS

Approve Planning Commission Appointment to fill one (1) unexpired term ending December 31, 2019

City Manager Knopp provided a brief staff report regarding the process for appointment to the Planning Commission.

John McManus withdrew his name as a candidate for Planning Commissioner in hopes to contribute to the City in another way. Since that left only one candidate to be considered for appointment, there was no need proceed with the vote by written ballot.

Motion was made by Wilson/Strahan to approve the appointment of Jacqui Wilson to fill the unexpired term on the Planning Commission ending December 31, 2019. Motion carried 3-0 with one abstention (Councilmember Richter).

<u>Provide Staff Direction related to Nuisance Hearing Committee, Code and Nuisance Enforcement</u>

City Manager Knopp provided a staff report and said that Mayor Garnes requested that this item be agenized for discussion. He explained that the current ordinance calls for a "Nuisance Hearing Committee" to hear appeals on violation determinations as well as penalties for nuisances or other code violations.

He said that staff is recommending modifications to the existing ordinance to better reflect the current actions of the committee and the desire for a code enforcement oversight and advisory function. One way to accomplish this is to create a separate "Nuisance Advisory Committee" or other similarly named committee with the basic function of overseeing code enforcement activities, assist with priority setting and making recommendations to staff and the council for improvements to the process.

Mayor Garnes commented that Code Enforcement and Nuisance Abatement was high on the priority list for the City Council and there needs to be a committee that can go out and see where the problems are and bring back recommendations to the City on how those issues can be resolved. She said that the Police Department has been able to abate a couple of large nuisances but they need a committee to assist them with small nuisances help with regard to civil penalties.

Councilmember Strahan asked for clarification on what the committee currently does.

City Manager Knopp explained the role of the Nuisance Hearing Committee and said that staff needs direction from the Council to amend the ordinance to better reflect actions of a committee with the basic function of overseeing code enforcement activities rather than to hear appeals on violations.

Councilmember Wilson asked if the new committee would basically be crawling around in people's back yards looking for nuisance violations.

Mayor Garnes said that she would like the committee to have a mission statement outlining the goals of the committee. She commented that there are a lot of places in the City that need to be cleaned with a committee to assist the Police Department in doing that. She suggested a committee referred to as the "Neighborhood Preservation Committee."

Chief of Police Conner questioned the composition of the committee and asked what their specific responsibilities would be.

Mayor Garnes envisioned a body that would go out and identify problems, bring them forward and figure out a solutions to fix those problems. She said the Police Department is tasked with Code Enforcement functions but they have a lot of other things to do. She would like a

committee that could help the police department with this function in hopes of making the City look better and in turn encourages economic development. She said if it turns out to be a bad idea, then it come back to the Council for further discussion.

Motion was made by Strahan/Wilson to direct staff to come back to Council with draft language for the establishment of a Neighborhood Preservation Committee. Motion carried 3-1 with one abstention (Councilmember Richter).

COUNCIL REPORTS/COMMUNICATIONS

Councilmember Wilson reported that due to his hours changing at work, he would not be able to attend the next Humboldt Waste Management Authority (HWMA) meeting scheduled for May 9, 2019 at 5:30 p.m. He noted that the board discussed the budget and agreed on no increase in tipping fees and approved a cost of living increase for employees. The meeting on the 9th was to ratify the budget.

Councilmember Strahan commented that she observed water be taken from the hydrant for the Danco project and asked if the water usage was being metered.

Water/Roadways Superintendent indicated that Danco was paying for the water used.

Councilmember Richter reported that he was unable to attend the RREDC meeting due to a personal matter.

Mayor Garnes reported on her attendance at the Redwood Coast Energy Authority (RCEA) meeting and said they had a presentation on the Offshore Wind energy Project and on PG&E time-of-use, which everyone will eventually be required to use. The traditional peak hours for electricity use were between 4-9 p.m.

ADJOURNMENT

Motion was made by Strahan/Wilson to adjourn the meeting at 8:32 p.m. to the May 8, 2019 Study Session. Motion carried 4-0.

| | Debra Garnes, Mayor |
|--------------------------|---------------------|
| Attest: | |
| | |
| | |
| Karen Dunham, City Clerk | |

675 Wildwood Avenue Rio Dell, CA 95562 (707) 764-3532 (707) 764-5480 (fax)

> CITY OF RIO DELL STAFF REPORT CITY COUNCIL AGENDA May 14, 2019

TO:

Mayor and Members of the City Council

THROUGH: Kyle Knopp, City Manager

FROM:

Brooke Kerrigan, Finance Director

DATE:

May 14, 2019

SUBJECT:

Resolution 1422-2019 Adopting 2019/20 GANN Appropriations Limit

Recommendation

Adopt Resolution 1422-2019 adopting the Gann Appropriation Limit for the 2019-2020 fiscal year.

Background and Discussion

Voters approved Proposition 4, also known as the Gann Initiative, in November of 1979 adding Article XIII B to the California Constitution. The Gann Initiative placed limits on the growth of expenditures for publicly funded programs. Div. 9 of Title 1, Sec. 7900 of the Government Code was then added to laws to establish the process for calculating state and local government appropriations limits and appropriations subject to limitation under Article XIII B of the California Constitution. These constitutional and statutory sections explain and define the appropriations limit and appropriations subject to limitation as they apply to state and local government and require that each entity of government formally adopt its appropriations limit for a given fiscal year.

The Gann Appropriations Limit for the City of Rio Dell is:

\$ 1,307,385 2019-2020 Gann Appropriations Limit: City of Rio Dell's Gann Calculation Amount: 1,014,881 \$ 292,504 Amount Under Limit:

A jurisdiction may not exceed the appropriations limit unless the Governor declares an emergency or by majority approval by the voters of a jurisdiction. The override may not exceed four years.

Attachments: 1) Resolution 1422-2019; 2) Revenue Worksheet; 3) Gann Calculation Resolution 1422-2019 Adopting 2019-2020 GANN Appropriations Limit

GANN Appropriations Limit Calculation FY 2019-2020

Prior Years Appropriations Limit

\$ 1,268,430

Adjustment Factors for the current year

2019-2020 Inflation*

1.0385

2019-2020 Population Change*

x 0.9925

Total Adjustment

1.0307

2019-2020 Appropriations Limit

\$ 1,307,385

^{*} Provided by Demographic Research Unit, Department of Finance, State of California Data and appropriations limit calculation from California Department of Finance



RESOLUTION NO. 1422-2019 A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF RIO DELL ADOPTING GANN APPROPRIATIONS LIMIT FOR THE FISCAL YEAR 2019-2020

WHEREAS, the voters of the State of California in November 1979 approved Proposition 4, commonly known as the Gann Initiative; and

WHEREAS, the Proposition created Article XIIIB of the California State Constitution placing limits on the amount of revenue which can be spent by all entities of the government within the State; and

WHEREAS, these limits require a municipality to determine an appropriations limit each year in accordance with a formula set forth by state law; and

NOW, THEREFORE BE IT RESOLVED, the City Council of the City of Rio Dell hereby adopts the Gann Appropriations limit of \$1,307,385 for fiscal year 2019-2020.

I HEREBY CERTIFY that the foregoing Resolution was duly introduced, passed and adopted at a regular meeting of the City Council of the City of Rio Dell, held on the 14th day of May by the following vote:

| Ayes: Noes: Abstain: Absent: | |
|------------------------------|---------------------|
| ATTEST: | Debra Garnes, Mayor |
| Karen Dunham, City Clerk | |

GANN Appropriations Limit Calculation FY 2019-2020

Prior Years Appropriations Limit

\$ 1,268,430

Adjustment Factors for the current year

2019-2020 Inflation*
2019-2020 Population Change*

1.0385

0.9925

Total Adjustment

1.0307

2019-2020 Appropriations Limit

\$ 1,307,385

BREAKDOWN OF ANNUAL CALCULATION

| Per Capita Personal Income % Chang | e FY 2019-2020 | 3.85 |
|------------------------------------|------------------|------------|
| Population change (Rio Dell) | | -0.75 |
| A Per Capita Cost of Living ratio: | 3.85+100 100 | 1.0385 |
| B Population ratio | -0.75+100 100 | 0.9925 |
| TOTAL ADJUSTMENT (A x B) | | 1.03071125 |

Data and appropriations limit calculation from California Department of Finance

^{*} Provided by Demographic Research Unit, Department of Finance, State of California Data and appropriations limit calculation from California Department of Finance

| FY 2019-2020 GANN APPROPRIATIONS REVENUE WORKSHEET | | | | |
|---|-------------------|-------------------|-----------------------|--|
| 00 REVENUES | BUDGETED REVENUES | PROCEEDS OF TAXES | NON-PROCEEDS OF TAXES | |
| 4010 Tax - Property Current Secured | 113,371 | 113,371 | - | |
| 4011 Tax - Property Current Unsecur | 3,700 | 3,700 | - | |
| 4013 Tax - Property Prior Unsecured | 50 | 50 | - | |
| 4025 Tax - Supplemental Roll | 600 | 600 | - | |
| 4026 Tax - Home Owner's Property | 1,380 | 1,380 | | |
| 4027 Tax - Prior Years - Supplemental | 120 13,152 | 120 13,152 | - | |
| 4030 Tax - Transient Occupancy Tax 4035 Tax - Timber Yield | 13,132 | 18 | - | |
| 4040 Tax - Retail Sales | 189,451 | 189,451 | - | |
| 4041 Tax - In Lieu Retail Sales - County | | - | - | |
| 4042 Tax - Measure U Sales Tax | 265,000 | 265,000 | | |
| 4045 Tax - (HCAOG) Transportation - TDA | 126,140 | - | 126,140 | |
| 4046 SB1 RMRA | 55,746 | - | 55,746 94,614 | |
| 4048 Tax - Gasoline (Highway Users Tax) 4050 Tax - Documentary Real Property | 94,614 7,430 | 7,430 | 34,014 | |
| 4056 Tax - Public Safety .5% sales | 3,707 | 3,707 | - | |
| 4110 Fees - Franchise - Electric | 32,213 | - | 32,213 | |
| 4115 Fees - Franchise - Gas | 6,681 | | 6,681 | |
| 4120 Fees - Franchise - Garbage | 17,597 | - | 17,597 | |
| 4125 Fees - Franchise - Cable TV | 37,691 | 0.557 | 37,691 | |
| 4150 Fees - Business License | 9,557 | 9,557 | 702 | |
| 4151 Fees - Business License CASP SB1186 4152 Fees - Memorial Park | 95 | | 95 | |
| 4153 Cannabis Stamp Fees | | - | - | |
| 4154 CANNABIS REVENUES | 16,000 | - | 16,000 | |
| 4155 Cannabis Business Tax Revenue | 20,000 | 20,000 | - | |
| 4162 Fees - Motor Vehicle License (VLF) | 11,569 | 11,569 | - | |
| 4163 Fees - In Lieu VLF - County | 375,777 | 375,777 | 1 667 | |
| 4170 Fees - Animal License | 1,657 | - | 1,657 650 | |
| 4173 Fees - Animal Control/Relinq. 4178 Fees - Booking | 350 | - | 350 | |
| 4180 Fees - Notary | 120 | - | 120 | |
| 4183 Fees - Special Police Services | 1,900 | - | 1,900 | |
| 4190 Fees - Integrated Waste Management | 9,000 | - | 9,000 | |
| 4195 Fees - Customer fax and copy | 90 | - | 90 | |
| 4199 Sewer Lien Fees | | 7 | - | |
| 4230 Fines - Building Code 4240 Fines - Other | | - | - | |
| 4310 Interest Income | - | - | - | |
| 4320 Rental Income - U.S. Cellular | 7,073 | - | 7,073 | |
| 4321 Rental Income - T. Mobile | 15,372 | - | 15,372 | |
| 4410 Building Plan - Constr Permits | 20,000 | - | 20,000 | |
| 4420 Planning - Zoning Fees | 5,000 | - | 5,000 | |
| 4430 Planning - Subdivison Fee 4435 Planning - Home Occupation Permit Fee | 200 | | 200 | |
| 4440 Building Plan - Plan Check Fee | 10,000 | - | 10,000 | |
| 4445 Building - Administrative Fees | 15,000 | - | 15,000 | |
| 4456 Planning - Parks & Recreation Development Fees | 1,500 | - | 1,500 | |
| 4460 Building Plan - Seismic Fees | 75 | - | 75 | |
| 4462 Building Standards - SB1473 | 60 | - | 60 | |
| 4463 Building - Continuing Education | 200 | - | 200 400 | |
| 4464 Building - Technology Fee | 1,500 | | 1,500 | |
| 4465 Encroachment Permits 4480 Insurance Premium Reimbursement | 1,300 | - | -/ | |
| 4700 Grant Revenue | - | - | - | |
| 4712 Grant Restricted - RSTP HCAOG | 24,500 | - | 24,500 | |
| 4725 Gen. Fund Income from CDBG Principal Income | - | - | - | |
| 4727 Late Fees - GEN. FUND FROM CDBG PI | - | - | 142.000 | |
| 4740 Grant Restr - Police Grant SLESF | 143,000 | - | 143,000 | |
| 4744 Grant Rest - Police Realignment Grant 4746 Grant Restristed - Recycling | | - | - | |
| 4745 Grant - Measure Z | 28,694 | - | 28,694 | |
| 4763 Grant Rest Prop. 84/NCIRWMP | | - | - | |
| 4764 Grant RestUSDA ECWAG | - | - | | |
| 4766 Grant Restricted - ATPL-5396 | - | - | - | |
| 4802 Donations- Bicycle Helmets | - | - | - | |
| 4804 Sculptures on the Avenue | 1 200 | - | 1,200 | |
| 4900 Interfund Revenue | 1,200 | | 1,200 C75 020 | |
| Total Revenue | 1,689,901 | 311.931.1 | | |

RIO DELL

Rio Dell City Hall 675 Wildwood Avenue Rio Dell, CA 95562 (707) 764-3532 cityofriodell.ca.gov

May 14, 2019

TO:

Rio Dell City Council

FROM:

Kyle Knopp, City Manager

SUBJECT:

Authorize the City Manager and Chief of Police to Sign a Memorandum of

Understanding with the City of Fortuna for Dispatch Services.

IT IS RECOMMENDED THAT THE CITY COUNCIL:

Authorize the City Manager and Chief of Police to sign the MOU.

BACKGROUND AND DISCUSSION

The City of Rio Dell has a long-standing agreement with the City of Fortuna for police dispatch services. Current annual cost to the City of Rio Dell for this service is \$24,900. The City of Fortuna proposes to raise this amount to \$47,300 annually or an increase of approximately 90 percent. The increase is likely due to a more comprehensive analysis of the cost of dispatch services that includes the City of Fortuna's Unfunded Liability associated with its Public Employee Retirement System (PERS) amongst other factors. The Chief of Police has reviewed the analysis and concluded it is reasonable.

No other alternative is recommended at this time. An alternate service provider could be the Sheriff's Office or encouraging a countywide regional dispatch service in order to defray long term cost increases.

///

MEMORANDUM OF UNDERSTANDING

CITY OF FORTUNA, FORTUNA POLICE DEPARTMENT AND CITY OF RIO DELL, RIO DELL POLICE DEPARTMENT POLICE DISPATCH CONTRACT

(Effective July 1, 2019)

I. PURPOSE

This Memorandum of Understanding (MOU) is entered into by the City of Fortuna and the City of Rio Dell for the purpose of the Fortuna Police Department providing police dispatch services to the Rio Dell Police Department.

II. TERM

- A. This MOU shall take effect on July 1, 2019 and it shall remain in full force and effect until cancelled by either Fortuna or Rio Dell per the terms of the MOU.
- B. For the sum of \$3,941.67 per month (\$47,300 annually) the City of Fortuna agrees to provide police dispatch services to the City of Rio Dell.
- C. This is a month to month contract and each party reserves the right to terminate this agreement on ninety (90) days written notice for any reason at any time.
- D. Payment shall be made by the City of Rio Dell to the City of Fortuna on receipt of an invoice. Payment shall be payable to the City of Fortuna and forwarded to the City of Fortuna Finance Director, 621 11th Street, Fortuna, CA 95540.
- E. The amount may be renegotiated each fiscal year in consideration of actual costs incurred to the City of Fortuna for providing Dispatch Services. Changes to the monthly fee will be acknowledged in writing and become part of this MOU.

III. DISPATCH SERVICES (Method of implementation/execution)

A. The Rio Dell Police Department will be responsible for all costs associated with the proper installation and maintenance of all radio equipment associated with their sharing of Fortuna Police Department frequency, as well as their own independent frequency. This includes, but is not limited to installation and maintenance of a radio repeater, if necessary, and any appropriate equipment at the Fortuna Police Department and the Fortuna Police Department radio console. All radio equipment must be compatible with the Fortuna Police Department's existing radio equipment and must be satisfactory to the Fortuna Police Department.

- B. The Rio Dell Police Department will maintain and monitor phone lines for normal business calls at the Rio Dell Police Department on a 24 hour a day basis. The Rio Dell Police Department shall maintain a telephone system which is capable of automatically transferring callers on their business line, after a certain amount of rings, to the Fortuna Police Department during times when Rio Dell Police Department personnel are not in the police station. The Rio Dell Police Department will be responsible for any costs associated with the maintenance of the line.
- C. Fortuna Police Dispatch will answer the Rio Dell Police Department business line, "Rio Dell Police." Depending on the nature of the call, the dispatcher will immediately notify the onduty Rio Dell Officer of the call or take a message for follow-up later by a Rio Dell officer. It should be noted that if there is every any doubt as to whether a Rio Dell officer should be notified or not, dispatch will error on the side of safety and notify the officer. In the event that Fortuna dispatch is unable to reach the on-duty or on-call Rio Dell officer for a call for service, the dispatcher will then immediately notify the Humboldt County Sheriff's Office (for criminal) or the California Highway Patrol (for traffic) responses.
- D. The City of Rio Dell's 9-1-1 lines will be rerouted to the Public Safety Answering Point (PSAP) at the Fortuna Police Department. The City of Rio Dell will be responsible for any costs associated with the installation and maintenance of their 9-1-1 lines.
- E. The Rio Dell Police Department will maintain and keep current at the Fortuna Dispatch Center a Procedural Manual (binder) which will include at a minimum, the following:
 - 1. Current list of Rio Dell Police personnel; their names, addresses, and telephone numbers.
 - 2. Appropriate call signs for officers/personnel.
 - 3. Any alarm information.
 - 4. A list of persons responsible for call-outs for businesses within the City of Ferndale.
 - 5. Pertinent City Ordinances.
 - 6. Any special procedural guidelines.
 - 7. Current City map with boundaries/addresses clearly defined.
- F. The Rio Dell Police Chief or his designate will always be available to Fortuna dispatch by either radio or telephone. Officer and Community safety standards dictate that Fortuna dispatch always be able to immediately reach the on-duty officer either by telephone or radio. As such, both vehicle radios and officer portable radios will be properly maintained and have the ability to reach Fortuna dispatch.
 - 1. Rio Dell officers will maintain proper radio procedures and discipline as established by the Fortuna Police Department.
 - 2. On-duty Rio Dell officers will make every effort to keep Fortuna dispatch advised of their status/activities at all times.
- G. Personnel of the Rio Dell Police Department will be dispatched utilizing the HTE/CAD system. A CAD entry will be initiated for all Rio Dell Police officers on-duty. Fortuna Police will maintain records of Rio Dell's calls for service and a Rio Dell Police Department

mailbox.

- H. Fortuna Police dispatchers will run all necessary teletypes needed for Rio Dell officers in the performance of their duties. Teletype messages that Rio Dell Police officers need to send should be given (in writing) to Fortuna dispatch. Fortuna dispatch in turn will enter the teletype to be sent. Note: It is the responsibility of the Rio Dell Police Department to ensure that their personnel, who are gaining access to the teletype generated material, receive the required/mandated NCIC Training.
- I. In-coming teletypes directed to Rio Dell Police will immediately be forwarded to the on-duty Rio Dell officer. In the event there is not officer on-duty the teletype will be evaluated and depending on the nature will either be held or the on-call officer will immediately be notified immediately.
- J. No teletype entries will be made for the Rio Dell Police Department for missing person, stolen vehicles, stolen property, or stolen weapons until the Fortuna Police Department Dispatch Center received a hard copy of the entry form and report from the Rio Dell Police Department. The hard copy will either be delivered in person or sent via fax. Copies of all supplemental reports, clearances, or cancellations regarding teletype entries shall be immediately forwarded to the Fortuna Police Department Dispatch Center for updating. Confirmations of computer entries, updates, and locates for the above listed systems will be faxed to the Rio Dell Police Department for entry into their reports. The of City Rio Dell will pay a fee of \$2.00 per case to the Fortuna Police Department for every case that must be audited per California Department of Justice criteria.
- K. The Rio Dell Police Chief or his designate will meet quarterly with the Fortuna Police Chief or his designate to discuss dispatch arrangements and status.
- L. The City of Rio Dell agrees to maintain its Repeater System at Rio Dell's expense and to allow Fortuna to utilize the Rio Dell Repeater.

IV. COMPLAINTS

A. In the event that the Rio Dell Police Department has a complaint as it relates to dispatch services, or this memorandum of understanding the following procedures shall be used:

If the complaint is of an emergency nature (should be acted upon immediately) the Rio Dell Police Chief or his designate will immediately contact the on-duty Fortuna Police Watch Commander and relay the complaint.

If the complaint is of a non-emergency nature then the complaint will be forwarded to the Fortuna Police Chief or his designate within 24 hours.

The complaint will be investigated by the Fortuna Police Department and a response will be forwarded to the Rio Dell Police Chief within 30 days of receiving the complaint.

V. SUPERVISION

A. This contractual agreement (Memorandum of Understanding) is limited in scope to dispatch services only. Fortuna Police supervisors and/or officers shall not be called upon to answer police procedural/legal questions that may arise. These questions/issues should be handled by Rio Dell Police supervisors.

VI. INDEMNIFICATION

A. The City of Rio Dell agrees to protect, indemnify and hold harmless, the City of Fortuna and it's officers, officials, employees and volunteers from and against all claims, damages, losses and expenses, including attorney fees arising out of the performance of the work described herein, caused in whole or in part by any negligent act or omission of Rio Dell, anyone directly or indirectly employed by Rio dell, or anyone for whose acts Rio Dell may be liable, except where caused by the active negligence, sole negligence, or willful misconduct of the City of Fortuna.

We, the undersigned, as authorized representatives of the City of Fortuna, City of Fortuna Police Department and the City of Rio Dell and the Rio Dell Police Department, do hereby approve this Memorandum of Understanding.

| CITY OF RIO DELL | | CITY OF FORTUNA | | |
|---|------|---|------|--|
| Kyle Knopp Rio Dell City Manager | Date | Merritt Perry Fortuna City Manager | Date | |
| Jeff Connor Rio Dell Chief of Police | Date | William Dobberstein Fortuna Chief of Police | Date | |



Rio Dell City Hall 675 Wildwood Avenue Rio Dell, CA 95562 (707) 764-3532 cityofriodell.ca.gov

May 14, 2019

TO:

Rio Dell City Council

FROM:

Kyle Knopp, City Manager

SUBJECT:

Adopt Resolution No. 1423-2019 authorizing the City Manager or designee to

execute Right-of-Way Certifications for transportation projects involving State

and/or Federal funding.

IT IS RECOMMENDED THAT THE CITY COUNCIL:

Adopt Resolution No. 1423-2019, a Resolution of the City Council authorizing the City Manager or designee, to execute Right-of-Way Certifications for transportation projects involving State and/or Federal funding.

BACKGROUND AND DISCUSSION

"Right-of-Way" refers to the real property rights, which local agencies must possess to construct projects utilizing federal funds. The Right-of-Way (ROW) certification procedure for federally assisted highway projects identifies the acquisition status of necessary ROW for the purpose of advancing a project to construction, sometimes referred to as PS&E (plans, specifications, and estimates). It addresses the status of any required relocation activities necessary on the project. The specific requirements for this action are found at 23 CFR 635.309 (b) and (c). A certification per 23 CFR 635.309(c)(l) says that all residential occupants have been relocated to decent, safe and sanitary (DSS) housing. A statement per 635.309(g), states that ROW was acquired in accordance with applicable Federal Highway Administration (FHWA) directives, or that acquisition of ROW is not required.

All ROW activities must conform to these federal requirements with the laws and regulations intended as a safeguard to ensure that federal funds are appropriately expended and that once funds are being transmitted to the local agency, there is no risk that a property rights issue could delay, or otherwise stop a project from moving forward.

The majority of City transportation projects do not require additional ROW and the City would simply certify that it possesses all necessary property rights to complete the project. The City's current Active Transportation Program (ATP) grant (scheduled for construction in 2020) is an example of a project that does not require additional ROW and requires a certification of such.

The State requires the governing body of a local agency to authorize execution of ROW certifications. The required authorization can be done on a project-by-project basis, or

alternatively the local agency may adopt a resolution authorizing certain City staff to execute certifications. If ROW was required to complete the project, a separate action would be brought to City Council for authorization to obtain the necessary ROW prior to construction. Under this scenario, the City would certify that it obtained the necessary property rights prior to construction.

This approval would not give staff authority to acquire, vacate, or transfer any property rights.

///

RESOLUTION NO. 1423-2019

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF RIO DELL GRANTING AUTHORIZATION TO THE CITY MANAGER TO APPROVE RIGHT-OF-WAY CERTIFICATIONS FOR FEDERAL AND/OR STATE FUNDED CITY TRANSPORTATION PROJECTS

WHEREAS, the City of Rio Dell must certify rights of way on state and federally funded projects; and,

WHEREAS, such certification is in the form of Right-of-Way Certifications according to Caltrans procedures, which facilitate FHWA program regulations, as set forth in the Caltrans Local Assistance Procedures Manual; and,

WHEREAS, Caltrans regulations, as stated in Chapter 13 of the Local Assistance Procedures Manual, provide that Local Public Agencies may grant authorization to a particular officer, or his or her designee, to approve and sign such Right-of-Way Certifications; and,

WHEREAS, the City Manager is the appropriate City officer to sign such Right-of-Way Certifications by virtue of being the Director of Public Works and being responsible for the City Maintained Road System; and,

WHEREAS, Caltrans encourages streamlining of procedures involving Local Public Agencies and has therefor suggested that authorization be obtained by the City Manager to approve and sign Right-of Way Certifications.

NOW, THEREFORE IT IS HEREBY RESOLVED, ORDERED AND FOUND by the City Council of the City of Rio Dell as follows:

- 1. That the City Manager, or his/her designee, be and hereby is authorized and directed to approve, execute, and sign Right-of Way Certifications for all state and/or federally funded transportation projects on behalf of the City of Rio Dell; and,
- 2. That this authorization shall remain in force until rescinded by the City Council of the City of Rio Dell.

PASSED AND ADOPTED by the City Council of the City of Rio Dell, State of California, on May 14, 2019, by the following vote:

| Way 14, 2019, by the following vote. |
|--------------------------------------|
| AYES: |
| NOES: |
| ABSENT: |
| |

| ABSTAIN: | |
|---|----------------------------------|
| | |
| | Debra Garnes, Mayor |
| ATTEST: | |
| I, Karen Dunham, City Clerk for the City of Rio Dell, State above and foregoing to be a full, true and correct copy of R and adopted by the City Council of the City of Rio Dell on | esolution No. 1423-2019 approved |
| | |
| Karen Dunham, City Clerk | |

RIO DELL

Rio Dell City Hall 675 Wildwood Avenue Rio Dell, CA 95562 (707) 764-3532 riodellcity.com

May 14, 2018

TO:

Rio Dell City Council

FROM:

Kyle Knopp, City Manager

SUBJECT:

Acceptance of Work, Authorization to File a Notice of Completion and Release

Funds to Kernen Construction for Habitat Parcel Soil Nail Wall, Sidewalk and

Fence.

IT IS RECOMMENDED THAT THE CITY COUNCIL:

Accept the work, authorize the City Manager to file a notice of completion and release all funds to the contractor in the amount of \$50,830.00

BACKGROUND AND DISCUSSION

Work to repair damaged sidewalk at the habitat parcel has been completed. A soil nail wall was installed along with a sidewalk and fencing. During the course of this work one change order was authorized:

1. An additional 11 feet of curb and gutter were identified as needing replacement for \$1,700.00. This section was along an engineered overhang that hung in the air requiring additional work beyond just the curb and gutter.

The total project budget was for \$60,000.00 and the total cost was \$50,830.00. Staff has inspected the work and found it complete. Therefore it is recommended the funds be released to the contractor.

///

Kernen Construction PO Box 1340 Blue Lake, CA 95525

INVOICE



Invoice: 9313

Invoice Date: 5/9/2019

Customer: CITRIO

Phone: 707-826-8686 **Fax:** 707-826-1888

Bill To:

City of Rio Dell 675 Wildwood Avenue Rio Dell, CA 95562 **Project Details:**

Rio Dell - Habitat Parcel

Project: 019902

| Payment Terms | Contract Number | Invoice Due Date |
|---------------|----------------------|------------------|
| Net 30 | 019902 / DIR# 272353 | 6/8/2019 |

Description

Habitat Parcel Soil Nail Wall 100% Complete

| Description | Quantity | MOU | Unit Price | Bill Amount |
|-------------------------------|----------|-----|-------------|-------------|
| As bid | 1.0000 | LS | 49,130.0000 | 49,130.00 |
| CCO1 Additional curb & gutter | 1.0000 | LS | 1,700.0000 | 1,700.00 |

Total Invoice Amount Due

50,830.00

| Contract Change Order No. 1 | |
|---|--|
| PROJECT: 2019 Habitat Parcel Soil Nail Wall, Sidewalk and Fence | OWNER: City of Rio Dell 675 Wildwood Avenue Rio Dell, CA 95562 |
| PROJECT NUMBERS: | CONTRACTOR: KERNEN CONSTRUCTION P.O. Box 1340 Blue Lake, CA 95525 |
| DATE: April 26, 2019 | ENGINEER: GHD Inc. 718 Third Street Eureka, CA 95501 |

To Kernen Construction, contractor

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. NOTE: This change order is not effective until approved by the City of Rio Dell.

Description of work to be done estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.

At the request of the City of Rio Dell, the following changes shall be made to the contract:

Replace 11 feet of Curb and Gutter along project site.

Extra work to be completed on an Agreed Unit Price basis:

| <u>Description</u> | <u>Est.</u> Quantity | Units | Unit Cost | Subtotal |
|------------------------------------|-------------------------|-------|-----------|------------|
| Remove and replace Curb and Gutter | 11 | Feet | \$ 154.55 | \$ 1700.00 |
| | | | | |
| | | | | |

| Total increase for this Change: | \$ 1700.00 |
|---------------------------------|------------|
| | |

| ADJUSTMENT OF CONTRACT SUM | | ADJUSTMENT OF CONTRACT TIME (CALENDAR DAYS) | |
|-----------------------------------|--------------|---|--|
| Original Contract Sum | \$49,130.00 | Original Contract Time | |
| Prior Adjustments | \$ 0.00 | Prior Adjustments | |
| Contract Sum Prior to this Change | \$ 49,000.00 | Contract Time Prior to this Change | |
| Adjustment for this Change | \$ 1700.00 | Adjustment for this Change | |
| Revised Contract Sum | \$50,830.00 | Revised Contract Time | |

Contractor waivers any claim for further adjustments for the Contract Sum and the Contract Time related to the above – described change in the work.

This document will become a supplement to the contract and all provisions will apply hereto. Recommended by: Approved by: David Caisse, PE Kyle Knopp / /Randy Jensen City Manager / Street Sup. City of Rio Dell Date Resident Engineer We, the undersigned contractor, have given careful consideration to the change proposed and agree to provide equipment, furnish materials, and perform the work specified above, and will accept as full

payment the prices shown above.

Contractor Acceptance by:

Kernen Construction

RIO

Rio Dell City Hall 675 Wildwood Avenue Rio Dell, CA 95562 (707) 764-3532 riodellcity.com

May 14, 2018

TO:

Rio Dell City Council

FROM:

Kyle Knopp, City Manager

SUBJECT:

Acceptance of Work, Authorization to File a Notice of Completion and Release

Funds to Mercer Fraser for 2019 Asphalt Street Repair Project.

IT IS RECOMMENDED THAT THE CITY COUNCIL:

Accept the work, authorize the City Manager to file a notice of completion and release all funds to the contractor in the amount of \$74,972.00

BACKGROUND AND DISCUSSION

The 2019 Asphalt Street repair project has been completed. Work was conducted on Blue Slide, Center, Ireland and Rigby Streets. The work improves the road surface condition on these streets in anticipation of a slurry seal project. During the course of the project, four change orders were approved:

- 1. Consolidation and expansion of patching on Rigby Street for \$7,862.9
- 2. Additional preparation work on Ireland Avenue for \$9,380.00
- 3. Extension of Ireland Avenue pavement overlay by thirty feet for \$1989.90
- 4. Additional required asphalt on Ireland for \$9,828.00

The project budget was for \$75,000 and the total expenditure was for \$74,972.60. Staff has inspected the work and approved. Therefore it is recommended to close the project and release the funds to the contractor.

///

MERCER-FRASER COMPANY GENERAL CONTRACTORS AND ENGINEERS

P.O. Box 1006, Eureka, CA 95502-1006 Phone (707) 443-6371 Fax (707) 443-0277 INVOICE NO. 60637

PAGE 1

| B I L | CITY OF RIO DELL | J 1985 O RIO DELL PAVEMENT REHAB B CITY OF RIO DELL |
|-------------|------------------------|---|
| T. | 675 WILDWOOD AVENUE | |
| - | RTO DELL CA 95562-1597 | N |
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| INVOICE PATE | VVOICE NO. CUSTOMER N | o. PAYMENT TER | MIS 60 | DNT(F/A(GT N(O) |
|--|--|----------------|---|--|
| 05/07/19 60 | 637 RIO001 | NET 30 DAYS | | |
| QUANTITY | DESCRI | | UNIT PRICE | EXTENDED PRICE |
| 18.20 CY 83.00 TN 1.00 EA 1.00 EA | ITEM 1.0 ITEM 2.0 ITEM 3.0 ITEM 4.0 | | 1289.0000 252.0000 768.0000 768.0000 | 23,459.80 20,916.00 768.00 768.00 |
| 6.10 CY 1340.00 SF 990.00 SF 39.00 TN | CCO 1.0 CCO 2.0 CCO 3.0 | | 1289.0000 7.0000 2.0100 252.0000 | 7,862.90 9,380.00 1,989.90 9,828.00 |

| Contract Change Order No. 1 | | | |
|--------------------------------------|--|--|--|
| PROJECT: | OWNER: City of Rio Dell | | |
| 2019 Rio Dell Asphalt Street Repairs | 675 Wildwood Avenue, Rio Dell, CA 95562 | | |
| PROJECT NUMBERS: | CONTRACTOR: Mercer-Fraser Company P.O. Box 1006 Eureka, CA 95502 | | |
| DATE : April 16, 2019 | ENGINEER: GHD Inc. 718 Third Street Eureka, CA 95501 | | |

To Mercer-Fraser Company, contractor

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. NOTE: This change order is not effective until approved by the City of Rio Dell.

Description of work to be done estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.

At the request of the City of Rio Dell, the following changes shall be made to the contract:

Rigby Street: Consolidate and Expand #2 and #3 increasing from 98 square feet to 276 square feet for a net increase of 178 Square feet (approximately 2.18 CY) and final dimensions of 12'x23'.

Rigby Street: Expand #4 increasing from 150 square feet to 625 square feet for a net increase of 475 square feet (approximately 5.81 CY) and a final dimension of 25' x 25'.

Rigby Street: Expand #7 increasing from 84 square feet to 160 square feet for a net increase of 76 square feet (approximately 0.93 CY) and a final dimension of 8' x 20'.

Extra work to be completed on an Agreed Unit Price basis:

| Description | <u>Est.</u> Quantity | <u>Units</u> | Unit Cost | <u>Subtotal</u> |
|--|-------------------------|--------------|------------|-----------------|
| Asphalt Patch Repair (4" thick) - Rigby Street | 8.92 | CY | \$ 1289.00 | \$ 11,497.88 |
| | | | | |
| | | | | |

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| AND THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRE | |
| | . |
| Total increase for this Change | \$ 11.497.88 |
| I DIAL BELEASE IOI LIIS OHAHAS | Ψ , |
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| | |

| ADJUSTMENT OF CONT | ADJUSTMENT OF CONTRACT SUM | |
|----------------------------|----------------------------|-----------------|
| Original Contract Sum | \$49,000.00 | Original Contra |
| Prior Adjustments | \$ 0.00 | Prior Adjustme |
| Contract Sum Prior to this | \$ 49,000.00 | Contract Time |

| ADJUSTMENT OF CONTRACT TIME (CALENDAR DAYS) | | |
|---|--|--|
| Original Contract Time | | |
| Prior Adjustments | | |
| Contract Time Prior to this Change | | |

| Change | |
|----------------------------|--------------|
| Adjustment for this Change | \$ 11,497.88 |
| Revised Contract Sum | \$60,497.88 |

| Adjustment for this Change | |
|----------------------------|--|
| Revised Contract Time | |

Contractor waivers any claim for further adjustments for the Contract Sum and the Contract Time related to the above – described change in the work.

This document will become a supplement to the contract and all provisions will apply hereto.

Recommended by:

Approved by:

David Caisse, PE Resident Engineer Date

Kyle Knopp City Manager

City of Rio Dell

We, the undersigned contractor, have given careful consideration to the change proposed and agree to provide equipment, furnish materials, and perform the work specified above, and will accept as full payment the prices shown above.

Contractor Acceptance by:

Mercer-Fraser Company

Page 2 of 2

| Contract Change Order No. 2 | | | |
|--|--|--|--|
| PROJECT: 2019 Rio Dell Asphalt Street Repairs | OWNER: City of Rio Dell 675 Wildwood Avenue, Rio Dell, CA 95562 | | |
| PROJECT NUMBERS: | CONTRACTOR: Mercer-Fraser Company P.O. Box 1006 Eureka, CA 95502 | | |
| DATE: April 22, 2019 | ENGINEER: GHD Inc. 718 Third Street Eureka, CA 95501 | | |

To Mercer-Fraser Company, contractor

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. NOTE: This change order is not effective until approved by the City of Rio Dell.

Description of work to be done estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.

At the request of the City of Rio Dell, the following changes shall be made to the contract:

Ireland St pavement patches:

Additional work to be competed at end of project as follows: (Please refer to attachment Ireland CO#2 Page 3.

Site $#1 - 8' \times 72' = 576$ sqft

Site $#2 - 8' \times 15' = 120$ sqft

Site #3 - 8' \times 10' = 80 sqft

Site #4 - 9' x 38' = 342 sqft

Site #5 - 8' x 15' = 120 sqft

TOTAL = 1238sqft

Extra work to be completed on an Agreed Unit Price basis:

| Description | <u>Est.</u> Quantity | <u>Units</u> | Unit Cost | <u>Subtotal</u> |
|---|-------------------------|--------------|-----------|-----------------|
| Asphalt Patch Repair (2" thick) – Ireland Ave | 1238 | sqft | \$7.00 | \$8,666.00 |
| | | | | |

Total increase for this Change: \$ 8,666.00

| ADJUSTMENT OF CONTRACT SUM | | ADJUSTMENT OF CONTRACT TIME (CALENDAR DAYS) | |
|-----------------------------------|--------------|---|--|
| Original Contract Sum | \$49,000.00 | Original Contract Time | |
| Prior Adjustments | \$ 11,497.88 | Prior Adjustments | |
| Contract Sum Prior to this Change | \$ 60,497.88 | Contract Time Prior to this Change | |
| Adjustment for this Change | \$ 8,666,00 | Adjustment for this Change | |
| Revised Contract Sum | \$69,163.88 | Revised Contract Time | |

Contractor waivers any claim for further adjustments for the Contract Sum and the Contract Time related to the above – described change in the work.

This document will become a supplement to the contract and all provisions will apply hereto.

| Recommended | by: | Approved by: | Approved by: | |
|---------------------------------------|------|---|--------------|--|
| David Caisse, PE Resident Engineer | Date | Kyle Knopp / Randy Jensen City Manager / Street Sup. City of Rio Dell | Date 2019 | |

We, the undersigned contractor, have given careful consideration to the change proposed and agree to provide equipment, furnish materials, and perform the work specified above, and will accept as full payment the prices shown above.

Contractor Acceptance by:

Mercer-Fraser Company

<u>4-22-2019</u> Date

| Contract Change Order No. 3 | | | |
|--------------------------------------|---|--|--|
| PROJECT: | OWNER: | | |
| 2019 Rio Dell Asphalt Street Repairs | City of Rio Deli | | |
| | 675 Wildwood Avenue, Rio Dell, CA 95562 | | |
| PROJECT NUMBERS: | CONTRACTOR: | | |
| | Mercer-Fraser Company | | |
| | P.O. Box 1006 Eureka, CA 95502 | | |
| DATE: | ENGINEER: | | |
| April 30, 2019 | GHD Inc. | | |
| | 718 Third Street Eureka, CA 95501 | | |

To Mercer-Fraser Company, contractor

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. NOTE: This change order is not effective until approved by the City of Rio Dell.

Description of work to be done estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.

At the request of the City of Rio Dell, the following changes shall be made to the contract:

Ireland St – Extension of Paving Overlay 33' x 30' additional area to original scope of 33' x 315' Total = 33' x 345'

Extra work to be completed on an Agreed Unit Price basis:

| Description | <u>Est.</u> Quantity | <u>Units</u> | Unit Cost | <u>Subtotal</u> |
|--|-------------------------|--------------|--|--|
| Ireland Paving Overlay | 990 | Sqft | \$ 2.01/sqft | \$ 1989.90 |
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| Manager and the second of the | <u></u> | | 1 OF Hims buried to account among a property | The second secon |

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| | |
| Total <u>increase</u> for this Change: | \$ 1989.90 |
| The state of the s | 7 |

| ADJUSTMENT OF CONT | RACT SUM | ADJUSTMENT OF CONTRACT TIME (CALENDAR DAYS) | |
|-----------------------------------|--------------|---|--|
| Original Contract Sum | \$49,000.00 | Original Contract Time | |
| Prior Adjustments | \$ 20,163,88 | Prior Adjustments | |
| Contract Sum Prior to this Change | \$ 69,163.88 | Contract Time Prior to this Change | |
| Adjustment for this Change | \$ 1989,90 | Adjustment for this Change | |
| Revised Contract Sum | \$71,153.78 | Revised Contract Time | |

Contractor waivers any claim for further adjustments for the Contract Sum and the Contract Time related to the above – described change in the work.

This document will become a supplement to the contract and all provisions will apply hereto.

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|-----------|------|----|-----|
| 1/BCOUNTY | ollu | υu | υv. |

Approved by:

David Caisse, PE Resident Engineer

Date

Kyle Knopp / Randy Jensen City Manager / Street Sup City of Rio Dell

We, the undersigned contractor, have given careful consideration to the change proposed and agree to provide equipment, furnish materials, and perform the work specified above, and will accept as full payment the prices shown above.

Contractor Acceptance by:

Mercer-Fraser Company

Page 2 of 2

| Contract Change Order No. 4 | | | | |
|---|--|--|--|--|
| PROJECT: 2019 Rio Dell Asphalt Street Repairs | OWNER: City of Rio Dell | | | |
| PROJECT NUMBERS: | 675 Wildwood Avenue, Rio Dell, CA 95562 CONTRACTOR: Mercer-Fraser Company | | | |
| | P.O. Box 1006 Eureka, CA 95502 | | | |
| DATE: May 2, 2019 | ENGINEER: GHD Inc. 718 Third Street Eureka, CA 95501 | | | |

To Mercer-Fraser Company, contractor

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. NOTE: This change order is not effective until approved by the City of Rio Dell.

Description of work to be done estimate of quantities, and prices to be paid. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.

At the request of the City of Rio Dell, the following changes shall be made to the contract:

Ireland St - Additional Asphalt for leveling and Paving as per Item #2 of Original Contract

Item #1 - 20cy reduced to 18.2cy

Item #2 - 83 tons as per contract (increased by 39 tons) for a total of 122 tons.

Item #3 - Raise Manhole as per contract

Item #4 - Raise Valve Box as per contract

Item #5 - Raise Valve Box on Center St (Removed from Contract)

CCO #1 - Asphalt Patch Repair on Rigby 8.2 CY reduced to 6.1 CY

CCO #2 - Ireland Additional Patching 1238sqft increased to 1340sqft

GCO #3 - Ireland - As Per Change Order - increased paving 33' x 30 '

With the Changes listed above =

Budget prior to Change order #4 for the additional 39 tons = \$65,145.00

Extra work to be completed on an Agreed Unit Price basis:

| Description | <u>Est.</u> Quantity | <u>Units</u> | <u>Unit Cost</u> | <u>Subtotal</u> |
|-------------------------------------|-------------------------|--------------|------------------|-----------------|
| Ireland Paving Leveling and Overlay | 39 | Tons | \$ 252,00 | \$ 9,828.00 |
| | | | | |

| Committee and Committee Co | | 1 may 1 may 1 | Committee of the commit | The second secon | |
|--|---|---------------|--|--|--|
| | _ | | Total increase for this Change: | \$ 9,828.00 | |

| ADJUSTMENT OF CONTRACT SUM | | ADJUSTMENT OF CONTRACT TIME (CALENDAR DAYS) | |
|-----------------------------------|--------------|--|--|
| Original Contract Sum \$49,000.00 | | Original Contract Time | |
| Prior Adjustments w CCO's | \$ 20.163.88 | Prior Adjustments | |
| Prior Adjustments after changes | \$16,145.00 | Filor Adjustitients | |
| Contract Sum Prior to this Change | \$ 65,145.00 | Contract Time Prior to this Change | |
| Adjustment for this Change | \$ 9,828.00 | Adjustment for this Change | |
| Revised Contract Sum | \$74,973.00 | Revised Contract Time | |

Contractor waivers any claim for further adjustments for the Contract Sum and the Contract Time related to the above described change in the work.

This document will become a supplement to the contract and all provisions will apply hereto.

| Rec | omm | ende | d by: |
|-------|-----|------|-------|
| 1,000 | ~ | | u |

Approved by:

| David Caisse, PE |
|-------------------|
| Resident Engineer |

Kyle Knopp / Randy Jensen City Manager / Street Sup City of Rio Dell

We, the undersigned contractor, have given careful consideration to the change proposed and agree to provide equipment, furnish materials, and perform the work specified above, and will accept as full payment the prices shown above.

5/6/19 Date

Date

Contractor Acceptance by:

Mercer-Fraser Company

Page 2 of 2

675 Wildwood Avenue Rio Dell, CA 95562 (707) 764-3532



For Meeting of: May 14, 2019

☐ Consent Item; ☐ Public Hearing Item

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City Council

From:

Kevin Caldwell, Community Development Director

Through:

Kyle Knopp, City Manager

Date:

May 9, 2019

Subject:

Humboldt Wind Energy Project

Recommendation:

That the City Council:

- Review the Draft Environmental Impact Report (DEIR) Executive Summary, Attachment 1. 1 prior to the meeting and identify areas of concern; and.
- Open the public hearing, receive public input and deliberate; and 2.
- 3. Provide direction to staff regarding submittal of comments to the County.

Background and Discussion

Staff from the Humboldt County Planning Department attended the Council meeting of May 7th and provided an overview of the proposed Humboldt Wind Energy Project and the associated Draft Environmental Impact Report (DEIR). Members of the Council and local residents had a number of questions and concerns regarding the project. Of course the primary concerns were related to visual impacts and the fact that the energy generated would be transmitted to the Central Valley.

Attached is a copy of the DEIR Executive Summary (ES) which includes brief discussions of the project's components, Alternatives and a table of project impacts and associated mitigation measures. The majority of the ES focuses on impacts and mitigation measures to biological resources. Below is a table of the issues that were raised at the May 7th meeting, which includes reference to the Section number of the ES and the page number of the ES.

| Issue | ES Section | ES Page Number |
|--------------------------------|------------|----------------|
| Aesthetic Impacts | 3.2 | ES-13-14 |
| Agriculture & Forest Resources | 3.3 | ES-14 |
| Air Quality | 3.4 | ES-15-16 |
| Biological Resources | 3.5 | ES-16-73 |
| Geology and Soils | 3.7 | ES-78-79 |
| Hazards (Airplane) | 3.9-5 | ES-81 |
| Transportation and Traffic | 3.12 | ES-87-88 |
| Wildfire Hazards | 3.13 | ES-88-91 |

A number of other issues, concerns and comments were made regarding the project including:

- Retaining the generated energy locally
- Utilizing local labor
- Decommissioning the project after its expected 30 year life span and the need for a performance bond.
- Revenue sharing agreement with the City and Scotia

Another issue that apparently was not discussed was the possible off-shore wind project. The Council may want to recommend that it be considered in the alternative analysis or that the project be deferred until the off-shore wind energy project has been fully vetted.

Staff recommends the Council review the ES and be prepared to direct staff to prepare a letter identifying concerns and potential recommendations.

Attachment 1: Draft Environmental Impact Report (DEIR) Executive Summary

Attachment 2: Maps

EXECUTIVE SUMMARY

ES.1 INTRODUCTION

This document is a draft environmental impact report (DEIR) prepared on behalf of the County of Humboldt Planning & Building Department to evaluate the potential environmental effects of the proposed Humboldt Wind Energy Project (proposed project or project). Humboldt Wind, LLC (project applicant) submitted an application to Humboldt County (County) for a conditional use permit to construct and operate the proposed project, a wind energy generation facility. The issuance of a conditional use permit meets the definition of a "project" and is subject to environmental review.

According to the California Environmental Quality Act Guidelines (State CEQA Guidelines) (Title 14, Section 15064[f][1] of the California Code of Regulations [14 CCR 15064(f)(1)]), an environmental impact report (EIR) must be prepared whenever a project may result in a significant environmental impact. An EIR is an informational document used to inform public agency decision makers and the general public of the significant environmental effects of a project; identify possible ways to minimize the significant effects; and describe reasonable alternatives to the project that could feasibly attain most of the basic objectives of the project while substantially lessening or avoiding any of the significant environmental impacts. Public agencies are required to consider the information presented in the EIR when determining whether to approve a project.

CEQA also requires that each public agency avoid or mitigate to less-than-significant levels, wherever feasible, the significant environmental effects of projects it approves or implements. If a project would result in significant and unavoidable environmental impacts that cannot be feasibly mitigated to less-than-significant levels, the project can still be approved, but the lead agency's decision makers must issue a statement of overriding considerations explaining in writing the specific economic, social, or other considerations that they believe make those significant effects acceptable.

As stated in Section 15123(a) of the State CEQA Guidelines, "[a]n EIR shall contain a brief summary of the proposed actions and its consequences. The language of the summary should be as clear and simple as reasonably practical." As required by the State CEQA Guidelines, the executive summary includes (1) a summary description of the proposed project, (2) a synopsis of environmental impacts and recommended mitigation measures (Table ES-1, at the end of this chapter), (3) identification of the alternatives evaluated, and (4) a discussion of the areas of controversy associated with the proposed project.

The environmental analysis in this EIR has been prepared at a project level of detail. The proposed project is a construction-level approval. A project-level EIR "should focus primarily on the changes in the environment that would result from that development project ... [and] examine all phases of the project including planning, construction, and operation" (State CEQA Guidelines, Section 15161). No further environmental review of individual components of the proposed project is required unless a subsequent EIR or supplement to an EIR is required by Section 15162 or 15163 of the State CEQA Guidelines.

ES.2 PROJECT OBJECTIVES

The project applicant has identified the following objectives for the proposed project:

- ► Contribute to a diversified statewide energy portfolio that will reduce exposure to price volatility associated with electricity and natural gas, while assisting the state in meeting the renewable-energy requirements established in Senate Bill (SB) 350 and SB 100, including assisting in directly achieving the state's Renewable Portfolio Standard of 100 percent zero carbon energy by 2045.
- ▶ Develop a wind project that is feasible to finance, construct, and operate.
- Develop a wind energy project that can meet the criteria to achieve the maximum federal tax credit requiring placement into operation by December 30, 2020, which is intended to decrease the cost of renewable energy generation and delivery, promote the diversity of energy supply, and decrease the dependence of the United States on foreign energy supplies.
- Promote sustainable energy and utilization of alternative energy systems throughout the county in compliance with the Open Space and Conservation Element of the *Humboldt County General Plan*.
- ▶ Develop a wind energy facility as near as possible to existing transmission infrastructure.
- ▶ Develop a wind energy facility in Humboldt County that supports the economy by creating short- and long-term employment opportunities and increasing tax revenue.
- ▶ Displace emissions of approximately 372,000 metric tons per year of carbon dioxide (a greenhouse gas [GHG]) that would otherwise be required to generate the same amount of electricity as this 155-megawatt (MW) project.

ES.3 PROJECT OVERVIEW

ES.3.1 PROJECT LOCATION AND COMPONENTS

The project site is about 20 miles south of Eureka, roughly 12 miles southeast of the city of Fortuna, and 22 miles north of the community of Garberville, and is bisected by U.S. Highway 101 (U.S. 101). The community of Scotia is adjacent to the northern edge of the project site. (See Figures 2-1 and 2-2 in Chapter 2, "Project Description," for the regional location and project site boundaries, respectively.)

The proposed project consists of a maximum of 60 wind turbine generators (WTGs) and associated infrastructure with a nameplate generating capacity (theoretical maximum energy generation) of up to 155 MW. Figure 2-2 depicts the project site boundaries. The project site represents an approximately 2,218-acre area study corridor within which the WTGs and associated infrastructure would be placed. The project boundaries have been defined based on a 1,000-foot-wide corridor centered on the representative locations of WTGs; a 200-foot-wide corridor centered on project roadways, the electrical collection line, and the generation transmission line (gen-tie); and a 500-foot-wide buffer around proposed staging areas, temporary impact areas, and the project substation. The exact footprint of individual WTGs within the project site would be determined during final engineering design, but would generally be placed along Monument and Bear River ridges. WTG heights could reach up to 600 feet tall, with a rotor diameter of 492 feet. The environmental impact analysis in this DEIR is based on a maximum number of WTGs that may be placed within the boundaries of the project site. The assumptions developed for this analysis support a conservative approach to project planning and environmental review, as they represent a maximum level of potential development.

In addition to the WTGs and transformers, the project includes ancillary facilities such as temporary staging areas, access roads, 34.5-kilovolt (kV) collection lines (referred to in this EIR as the "collection system"), operations and maintenance (O&M) facility, a substation, a modified utility switchyard, and a 115 kV gen-tie along Shively Ridge.

A portion of the gen-tie would cross the Eel River; this portion would be constructed underground. The project's point of interconnection with the Pacific Gas and Electric Company (PG&E) transmission grid would be PG&E's Bridgeville Substation (Figure 2-2). PG&E is a public utility that sells energy in the California utility market, which is operated by the California Independent System Operator.

The project would include the following components, which are discussed in detail in Chapter 2, "Project Description":

- up to 60 WTGs (capable of generating 2-5 MW of electricity each) erected on tubular steel towers set on concrete foundations, as well as the associated WTG pads, temporary staging areas, and transformers;
- construction of access roads;
- an up to 25-mile, 115 kV gen-tie, including an underground crossing of the Eel River, following Shively Ridge and ultimately connecting to the existing PG&E transmission system;
- a project substation located on-site;
- ▶ an underground electrical collection system linking WTGs to each other and to the project substation;
- an underground communication system (fiber optic cable) adjacent to the collection system;
- ▶ a Supervisory Control and Data Acquisition (SCADA) system between each WTG and the substation and between the project substation and the Bridgeville Substation to monitor and control project output and the transmission of energy into the system;
- an up to 5-acre O&M facility, including an operations building, a parking area, and an outdoor storage area with perimeter fencing;
- a 10-acre temporary staging area and a construction trailer and parking area located within the O&M facility;
- a component offloading location at Fields Landing;
- two temporary bypasses off U.S. 101 (Hookton Overpass and 12th Street Bypass) for transporting oversize loads;
- up to six permanent meteorological towers;
- three 5-acre, temporary staging areas distributed throughout the project site, one of which would include one temporary cement batch plant on Monument Ridge; and
- up to 17 miles of new 24-foot access roads.

ES.3.2 WIND TURBINE GENERATORS, PADS, AND SCADA SYSTEM

A wind turbine generator consists of the tower, nacelle, hub, blades/rotor, controller, central SCADA system for communication, transformer, Federal Aviation Administration (FAA) lighting where required, and lightning protection system. Maximum WTG height, as measured at the highest point of the rotor blade rotation, would be up to 182 meters (600 feet) from the base of the turbine. Ground clearance for the rotor blades at their lowest point of rotation would be 23 meters (76 feet). The WTGs would have a horizontal-axis design in an off white or light grey color with a nonreflective finish, consistent with FAA requirements.

Each WTG would be supported by a rectangular pad measuring about 350 feet by 350 feet, leveled to a 2 percent slope or less. A portion of the WTG pad would remain graded as a permanent soil-compacted crane pad to provide a stable foundation for the crane during placement of the WTG components. The WTG foundations would be buried to a depth of 10 feet below grade with a pedestal extending approximately 1 foot above the ground. The foundation would be 60–70 feet in diameter, depending on the WTG model selected.

Once construction is completed, a permanent gravel ring 25 feet in diameter would be established around the base of the foundation to form the permanent WTG pad. The gravel would provide a stable surface for maintenance vehicles and would minimize erosion and runoff.

Each WTG contains electronic devices that continuously monitor turbine performance. A SCADA system installed in the generation area would collect operational and performance data from each WTG and the project as a whole and would allow for remote WTG operation.

ES.3.3 ELECTRICAL INTERCONNECTION

The collection system would consist of 34.5 kV lines located underground on dedicated paths or within project roads. Collection lines would be buried in trenches and would terminate at individual WTGs, where they would connect to junction boxes, or at the project substation. Each trench would contain power cables, a ground wire, a fiber optic communication cable for the SCADA system to transmit data from the WTG controllers to the substation and O&M facility, and markers to alert anyone digging in the area.

The main power transformer within the project substation would increase the voltage of the electricity from the 34.5 kV collection system to 115 kV for transmission to the Bridgeville Substation. The final permanent footprint of the substation and switching station site would be approximately 5 acres.

The project would connect to the transmission system at the PG&E Bridgeville Substation via an approximately 25-mile overhead transmission line or gen-tie. The overhead, 115 kV transmission interconnect lines would be constructed on wooden H-frames, wood poles, or metal monopole structures placed within a 100-foot-wide transmission corridor. All energized project components, including the entire gen-tie line and all power lines, would be constructed in accordance with the current suggested practices of the Avian Power Line Interaction Committee.

ES.3.4 BRIDGEVILLE SUBSTATION UPGRADES

The gen-tie would terminate at PG&E's Bridgeville Substation, located between the Cottonwood Substation and the Humboldt Substation. Bridgeville is currently configured as a 115/12 kV substation that connects local distribution lines to PG&E's 115 kV transmission system.

As part of the project, PG&E would expand the Bridgeville Substation to allow the project to connect to the 115 kV side of the substation. Two new intermediate transmission structures may be needed to connect the gen-tie to the 115 kV bus. In addition, the lines entering and exiting the Bridgeville Substation may require modifications to interconnect the project with the PG&E transmission grid. During construction, PG&E may need to construct a temporary transmission line, known as a "shoefly," to maintain electrical service while project-related work is conducted at Bridgeville.

ES.3.5 OPERATIONS AND MAINTENANCE FACILITY AND METEOROLOGICAL TOWERS

An O&M facility is proposed for placement on up to 5 acres of land with a building footprint of 5,000–6,000 square feet. The O&M facility would include a water storage tank, which would be supplied with potable water obtained from a new well drilled within the footprint of the O&M facility. Wastewater generated at the O&M facility would be treated by an appropriately sized septic system that would be installed.

Meteorological towers (METs) and/or Light Detection and Ranging units would be installed on-site to allow project planners to assess the project's viability and determine the optimum WTG layout, and to ensure optimal operation of the installed WTGs. METs would be 80–120 meters (262–394 feet) tall and would comply with FAA lighting regulations. Up to 12 METs would be constructed within the project footprint. Up to six of these METs would remain on-site permanently after the completion of WTG optimization testing.

ES.4 CONSTRUCTION AND PHASING

Construction would begin in fall 2019 and would last 12–18 months. The sequence of construction activities would generally be as follows: tree clearing, site preparation/grading, access road construction, construction of WTG foundations, WTG installation, installation of the collection system, substation construction, gen-tie installation, switchyard installation, final testing and WTG commissioning, installation of O&M facilities, and cleanup and restoration. Some additional details of construction, excerpted from Chapter 2, "Project Description," are presented below.

ES.4.1 COMPONENT SHIPPING AND STAGING

WTG components would be stacked on shipping frames and barged to Humboldt Bay for offloading at Fields Landing. Barges would enter Humboldt Bay connected to a tugboat by a 2,200-foot-plus towline, which would be spooled and shortened before entering the approach jetty. Transportation by sea would take place when weather conditions and the sea state are acceptable, based on predetermined conditions established by the port captain. A crane would be placed on the shore at Fields Landing and the barge anchored approximately 60 feet offshore. The crane would be capable of lifting 160,000 pounds (slightly heavier than the largest piece) 65 feet high at 115 feet of reach. Once offloaded from the barge, components would be either directly loaded onto transport vehicles or temporarily stored at existing storage yards within the Fields Landing complex. Barges would be offloaded over a

30-day period, between 7 a.m. and 10 p.m. Access to and egress from Fields Landing for trucks with WTG components would be via South Bay Depot Road.

ES.4.2 COMPONENT TRANSPORT TO THE PROJECT SITE

Components would be transported overland to the project site on heavy trucks, which would use U.S. 101 before reaching the temporary staging area at the Jordan Creek off-ramp. Truck trailers may be larger than average to carry oversized loads. If required, pilot vehicles would accompany the trucks. Upon reaching the temporary staging area, the equipment would be either offloaded and temporarily stored or hauled directly to the worksite and assembled or installed. For each WTG, up to 15 separate loads of equipment and materials would be delivered. Nine to 12 of these loads would be oversized permitted loads.

Most project components could be transported directly to the project laydown yard at Jordan Creek. However, depending on final WTG selection and the transportation plan, the base tower section may exceed the allowable height of two overpasses: Hookton Road and 12th Street. Temporary detours are proposed for these locations. All transportation activities would be timed to minimize traffic disruptions consistent with applicable permits.

ES.4.3 ACCESS ROADS

Access to the proposed WTG pads and ancillary project components would be provided by the existing network of logging roads except where the existing road cannot accommodate trucks hauling oversize loads. Some segments of currently paved roads (e.g., Shively Road) may require realignment to provide access for the gen-tie. Realigned segments would be improved with gravel during construction. Paved portions would be repaved once construction activities are completed. All newly constructed roads would remain in place for the life of the project.

ES.5 SUMMARY OF SIGNIFICANT IMPACTS AND MITIGATION MEASURES

Section 3.1, "Impacts Found Not to Be Significant," in Chapter 3, "Environmental Setting, Impacts, and Mitigation Measures," briefly discusses issues that are not evaluated further in the environmental impact analysis and the reasons for their omission. Sections 3.2 through 3.13 evaluate in detail the environmental impacts that would result from implementation of the proposed project and set forth mitigation measures required to avoid or reduce environmental impacts, where feasible. Chapter 4 evaluates potential cumulative impacts associated with the proposed project.

Table ES-1 (at the end of this chapter) lists each environmental impact of the proposed project, then presents the level of significance of each impact before mitigation, mitigation measures for significant and potentially significant impacts, and the level of significance of each impact after mitigation. It also lists the significant cumulative effects to which the proposed project would contribute. As shown in Table ES-1, implementation of the proposed project could significantly affect a number of environmental resources and issue areas, but mitigation is included to reduce these impacts to a less-than-significant level, where feasible.

A discussion of significant and unavoidable impacts is provided in Chapter 5, "Other CEQA Requirements," of this DEIR.

ES.6 ALTERNATIVES

The State CEQA Guidelines (Section 15126.6) require that an EIR describe a range of reasonable alternatives to the project that could feasibly attain the basic objectives of the project and avoid and/or lessen the significant environmental effects of the project. Chapter 6 of this DEIR provides a comparative analysis between the proposed project and five alternatives; as required by CEQA, the no project alternative is one of the alternatives evaluated.

In addition to the alternatives carried forward for evaluation in Chapter 6, the project applicant considered two off-site alternatives for WTGs, Shively Ridge and Rainbow Ridge, and multiple alternative alignments for the gen-tie. However, Shively Ridge was eliminated from detailed consideration in this EIR because communication with wildlife agencies indicated it was the site of nesting murrelets (the Eel River to the west and the Van Duzen River to the east). Other considerations leading to the dismissal of Shively Ridge involved engineering, construction, and meteorological concerns regarding development of WTGs. Rainbow Ridge was eliminated from detailed consideration in this EIR because of biological, engineering, construction, and cultural resource concerns regarding development of WTGs and access roads there. The alternative gen-tie routes were not carried forward because they would have been more difficult to construct or would have added length and creek crossings.

The text below provides a brief summary of the five alternatives to the proposed project that are discussed in detail in Chapter 6.

ES.6.1 ALTERNATIVE 1: No PROJECT

The No Project Alternative assumes that the proposed project would not be implemented and that the project site would remain in its existing condition and used primarily for timber production. If Alternative 1 were selected, no change from existing conditions would occur because the environmental consequences associated with construction and operation of the proposed project would not occur. If the proposed project is not approved at this location, it is reasonably foreseeable that renewable power needed to meet state renewable energy standards would be obtained from a project proposed at this or other suitable sites.

Under the no project scenario, none of the impacts identified for the proposed project would occur. However, the No Project Alternative would not meet any of the basic project objectives, Alternative 1 would likely result in greater use of nonrenewable energy than the proposed project, which is estimated to displace emissions of approximately 372,000 metric tons per year of carbon dioxide (a GHG) that would otherwise be required to generate the same amount of electricity as the 155 MW generated by the proposed project. Alternative 1 would not provide this potential displacement.

ES.6.2 ALTERNATIVE 2: REALIGNED GEN-TIE AND ACCESS ROAD

After conducting preliminary consultation with the National Marine Fisheries Service, the project applicant developed an alternative gen-tie alignment that would avoid the underground crossing of the Eel River.

Under this alternative, the number and location of WTGs would be the same as under the proposed project, but the gen-tie line would be rerouted to an alternative ridge directly above the town of Stafford (the "realigned gentie route"), using wooden H-frame or steel monopole structures. The gen-tie structures would be placed on the north side of the ridge to reduce their visibility. Once at the bottom of Monument Ridge, approaching the edge of

the town of Stafford, the line would continue overhead as it crossed the Eel River on the west side of the Stafford Bridge. The line would be at the same height as PG&E's existing three lines on the east side of the bridge, crossing the Eel River at a height equal to or less than the deck of the bridge. Should overhead transmission structures (poles) be used to cross the Eel River, the conductors would be placed within the profile of and near the existing Stafford Bridge to avoid avian collisions, specifically by marbled murrelets.

Once on the east side of the Eel River, the gen-tie line would cross U.S. 101 adjacent to PG&E's distribution line. The gen-tie line would then continue adjacent to Shively Road for 0.8 mile before crossing Stitz Creek just south of the earthen dam. After crossing Stitz Creek, the gen-tie line would proceed directly up Shively Ridge before connecting with the proposed gen-tie corridor at the western terminus of Shively Ridge Road.

The realigned gen-tie route of Alternative 2 would be consistent with the proposed gen-tie corridor until Alderpoint Road. At Alderpoint Road, the realigned gen-tie route would proceed northeast, while the proposed line would deviate south before rejoining the proposed gen-tie 0.3 mile south of the Bridgeville Substation.

Alternative 2 also includes an alternate access road alignment at the Jordan Creek staging area (the "realigned Jordan Creek access") to avoid impacts on a northern spotted owl flyway near Jordan Creek. From the Jordan Creek laydown area, the access road would continue in an easterly direction, roughly paralleling Demonstration Forest Road Left (DEMO-Left) and a PG&E service road. About 0.16 mile east of the junction of DEMO-Left and the PG&E service road, the alignment would turn south along a new alignment up Monument Ridge. This new alignment would continue for 0.4 mile before rejoining DEMO-Left. The alignment would follow DEMO-Left for an additional 1.5 miles before rejoining the proposed alignment. The access road would be slightly longer (approximately 1 mile) but would follow an existing road in places, reducing the impacts of creating new access roads.

Alternative 2 would reduce the risk of frac-out during boring under the Eel River, make better use of existing roads (minimizing timber harvesting), and increase the distance of project infrastructure from Scotia. This alternative would meet project objectives to the same extent as the proposed project.

ES.6.3 ALTERNATIVE 3: REDUCED TURBINE FOOTPRINT—MONUMENT RIDGE

Alternative 3 would reduce the total number of WTGs from 60 to 23 and would avoid placing WTGs on Monument Ridge. Because the WTG count would be reduced, the WTGs selected would likely be the largest (600-foot maximum height). Fewer WTGs would provide greater spacing from sensitive areas identified in the project corridor. Based on a marbled murrelet risk assessment, this alternative would also likely reduce impacts on known marbled murrelet flyways. Alternative 3 would result in less ground disturbance and related impacts than the proposed project, and fewer visual impacts. This alternative is also expected to reduce mortality of birds and bats from collisions with rotor blades, relative to the proposed project.

Alternative 3 would not go as far as the proposed project toward meeting the project objectives because it would not be capable of generating 155 MW of energy. Alternative 3 would likely result in greater use of nonrenewable energy than the proposed project, which is estimated to displace emissions of approximately 372,000 metric tons per year of carbon dioxide (a GHG) that would otherwise be required to generate the same amount of electricity as the 155 MW generated by the proposed project.

ES.6.4 ALTERNATIVE 4: REDUCED TURBINE COUNT

Alternative 4 would place 31 WTGs within the same study corridor as the project. Access to the WTG site would be provided from the planned road at Jordan Creek staging area and the gen-tie would extend to the Bridgeville Substation under the same alignment as the proposed project. Because the turbine count would be reduced, the WTGs selected for installation would be the largest (600-foot maximum height). Based on a marbled murrelet risk assessment, this alternative would likely reduce impacts on known marbled murrelet flyways. Compared to the proposed project, Alternative 4 would result in less ground disturbance during placement of individual WTGs and related impacts, and would place fewer WTGs in areas visible from surrounding lands. This alternative is also expected to reduce mortality of birds and bats from collisions with rotor blades by avoiding areas with high concentrations of birds and bats.

Alternative 4 would not go as far as the proposed project toward meeting the project objectives because it would not be capable of generating 155 MW of energy. Alternative 4 would likely result in greater use of nonrenewable energy than the proposed project, which is estimated to displace approximately 372,000 metric tons per year of carbon dioxide (a GHG) that would otherwise be required to generate the same amount of electricity as the 155 MW generated by the proposed project.

ES.6.5 ALTERNATIVE 5: REDUCED TURBINE FOOTPRINT—BEAR RIVER RIDGE

Alternative 5 would reduce the total number of WTGs from 60 to 37 and would avoid placing WTGs on Bear River Ridge. Because the turbine count would be reduced, the WTGs selected would likely be the largest (600-foot maximum height). Fewer WTGs would provide greater spacing from sensitive areas identified in the project corridor. This alternative would avoid impacts on Bear River Ridge, which is considered a tribal cultural resource, and would reduce indirect effects on the Scotia historic district. Alternative 5 would result in less ground disturbance and related impacts than the proposed project, and fewer visual impacts. Relative to the proposed project, this alternative is also expected to reduce mortality of birds and bats from collisions with rotor blades.

Alternative 5 would not go as far as the proposed project toward meeting the project objectives because it would not be capable of generating 155 MW of energy. Alternative 5 would likely result in greater use of nonrenewable energy than the proposed project, which is estimated to displace emissions of approximately 372,000 metric tons per year of carbon dioxide (a GHG) that would otherwise be required to generate the same amount of electricity as the 155 MW generated by the proposed project.

ES.6.6 ENVIRONMENTALLY SUPERIOR ALTERNATIVE

CEQA provides that an EIR must identify the environmentally superior project alternative (California Code of Regulations Title 14, Section 15126.6[e]). If the "no project" alternative is the environmentally superior alternative, then the EIR must also identify an environmentally superior alternative from among the others (California Code of Regulations Title 14, Section 15126.6[e][2]). In this case, the No Project Alternative is superior, so the EIR must select among the others for the environmentally superior alternative.

Based on the information provided above, Alternative 5, Reduced Turbine Footprint—Bear River Ridge, is considered environmentally superior to the project. Compared to the proposed project, this alternative would reduce impacts on all resource areas except biological resources, GHG emissions, and fire protection services and wildfire hazards. Alternative 3, Reduced Turbine Footprint—Monument Ridge, would also meet most of the

project objectives, although not to the same extent as the proposed project because it would fail to generate 155 MW of renewable energy.

ES.7 KNOWN AREAS OF CONTROVERSY

Section 15123 of the State CEQA Guidelines requires that a summary of an EIR identify areas of controversy known to the lead agency, including issues raised by agencies and the public. On July 31, 2018, the County issued a notice of preparation (NOP) (Appendix B) to inform agencies and the general public that an EIR was being prepared. The County invited comments on the scope and content of the document and participation at two public scoping meetings. The NOP was circulated for 30 days as mandated by CEQA. Appendix A of this DEIR contains a scoping report listing the written comments received on the NOP and during two public scoping meetings. Copies of the comment letters are also contained in the scoping report.

During the public comment period for the NOP, various comment letters were received regarding the proposed project. Appendix A presents a summary of the public scoping process and summarizes the comments received in writing and at the public meetings held on August 14 and August 15, 2018. In general, areas of potential controversy known to the County include:

- visual impacts, including effects on views from Rio Dell and Scotia and generation of light pollution;
- potential take of at-risk species such as the marbled murrelet and northern spotted owl, risks of bird and bat fatalities from collisions with WTGs, displacement from nesting habitat, and other project effects on critical habitats;
- effects on cultural resources, including tribal cultural resources;
- potential for erosion and sedimentation from drilling under the Eel River, undergrounding of utilities, and road construction;
- noise effects from WTG operation;
- potential traffic congestion during construction and effects of oversize loads on area roadways; and
- effects on the environment related to the ultimate decommissioning of the project.

These issues were considered during preparation of this DEIR and, where appropriate, are addressed in the environmental impact analyses presented in Chapters 3 and 4.

ES.8 PUBLIC PARTICIPATION AND ADDITIONAL STEPS IN THE CEQA REVIEW PROCESS

This DEIR is being distributed to interested agencies, stakeholder organizations, and individuals. This distribution ensures that interested parties have an opportunity to express their views regarding the environmental effects of the project, and to ensure that information pertinent to permits and approvals is provided to decision makers for the CEQA lead agency and responsible and trustee agencies. This document is available for review by the public during normal business hours at the County of Humboldt Planning & Building Department, 3015 H Street,

Eureka, CA 95501. The DEIR is being distributed for a 45-day period that will end on June 5, 2019. The DEIR is also available online at http://www.co.humboldt.ca.us.

Under CEQA, written comments on the DEIR must be postmarked no later than June 5, 2019. Comments should be sent to the following address:

Elizabeth Burks, Planner
County of Humboldt Planning & Building Department
3015 H Street
Eureka, CA 95501
CEQAResponses@co.humboldt.ca.us

If comments are provided via e-mail, please include the project title in the subject line, attach comments in Microsoft Word format, and include the commenter's U.S. Postal Service mailing address.

After the close of the public review period for the DEIR, a response to comments document will be prepared, containing all the comments on environmental issues received during the public review period, responses to those comments, and other information that the County finds to be relevant. The final environmental impact report (FEIR) will be made available for review before the County certifies it as complete. The response to comments document and the DEIR together will compose the FEIR.

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LTS = Less than Significant

NI = No Impact

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| Table ES-1. Summary of Project Impacts and Mitiga | tion Measures | | |
|--|-----------------------------------|--|----------------------------------|
| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
| | | disabled will create a health and safety hazard and disrupt the visual experience of the casual observer. The project applicant shall remove derelict WTGs and derelict parts and pieces within 60 days of decommissioning, and shall relocate such equipment and derelict parts and pieces to an area that is screened from view and/or not visible to the general public. Similarly, O&M areas shall be kept clean and tidy by storing all equipment, parts, and supplies in areas that are screened from view and/or are generally not visible to the general public. Grading and landscape treatment around tower bases shall match the conditions of surrounding landscape and habitat to recreate a pleasing visual environment. | |
| 3.2-2: Project Impacts on Scenic Resources along a State Scenic Highway. The project would not adversely affect trees, rock outcroppings, and historic buildings along a state scenic highway. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.2-3: New Source of Substantial Light or Glare that Would Adversely Affect Day or Nighttime Views in the Area. The project would result in substantial increases in daytime or nighttime light and glare. This impact would be significant. | S | No feasible mitigation measures exist to fully mitigate the largest source of light. | SU |
| 3.2-4: Shadow Flicker Effects. The project would not result in substantial shadow flicker. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.3 Agriculture and Forestry Resources | | | |
| 3.3-1: Conflict with Existing Williamson Act Contracts. Long-term project features would be located on approximately 27 acres of Williamson Act contract lands that would no longer be devoted to the production of agricultural commodities for commercial purposes. However, wind generation is a compatible use. Therefore, this impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.3-2: Conversion of Forestland to Nonforest Uses. Project implementation would include the harvest of merchantable timber from up to 836 acres and would permanently convert up to 91 acres of forestland. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |

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| Table ES-1. Summary of Project Impacts and Mitiga | ition Measures | | |
|---|-----------------------------------|---|---------------------------------|
| Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
| 3.4 Air Quality | | | |
| 3.4-1: Short-Term, Construction-Generated Emissions of ROG, NO _X , and PM ₁₀ . Short-term, construction-generated emissions would exceed NCUAQMD's significance threshold for NO _X . This impact would be significant. | | Mitigation Measure 3.4-1: Use Current-Phase Equipment for all Construction Off-Road Vehicles and Equipment. The construction contractor shall use current-phase off-road construction vehicles and equipment (currently Tier 4 final) for construction activities. This requirement shall be shown in all construction plans and implemented through the issuance of construction permits. Alternatively, if there is insufficient availability of equipment that meets or exceeds ARB's standard (currently Tier 4) for heavy-duty diesel engines, an emissions reduction plan shall be prepared to identify other emission reduction measures to reduce NO _X emissions equivalent to what would be achieved through using current-phase equipment. The plan shall identify requirements to be implemented during construction, such as limiting the simultaneous operation of construction equipment on any given day to reduce maximum daily emissions, and shall quantify the maximum daily and total annual emissions with implementation of the identified measures. This plan shall be approved by NCUAQMD before any construction permits are issued. | SU |
| 3.4-2: Long-Term, Operational (Regional) Emissions of Criteria Air Pollutants. Operations and maintenance of the proposed project would generate criteria air pollutants and precursors in the long term, from mobile sources used daily by staff and intermittently for maintenance activities, and potentially from periodic operation of off-road equipment and emergency generators throughout the year. Off-road equipment and emergency generators would operate intermittently, and such operations would not likely all occur on the same days. Emissions from these O&M activities would not exceed NCUAQMD maximum annual thresholds of significance. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
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| 3.4-3: Inconsistency of the Project with Air Quality Planning Efforts. Construction and operation of the project would not exceed NCUAQMD thresholds of significance and would not conflict with or obstruct implementation of the plans and policies in place to achieve attainment of the CAAQS for PM ₁₀ . This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.4-4: Exposure of Sensitive Receptors to Toxic Air Contaminants. Construction of the proposed project would generate localized air pollutant emissions, including emissions of DPM and other TACs that could affect sensitive receptors. Operations are not anticipated to include substantial use of any TACs. Existing regulations, policies, and implementation programs would reduce potential exposure to substantial pollutant concentrations. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.4-5: Exposure of Sensitive Receptors to Odorous Emissions. Temporary, short-term construction and long-term operation of the proposed project would not result in the frequent exposure of sensitive receptors to substantial objectionable odor emissions. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.5 Biological Resources | | | |
| 3.5-1: Construction Impacts on Marbled Murrelet Nesting. Construction of the proposed project could affect the success of marbled murrelet nesting activity if construction activity were to cause disturbance at the nest, thereby reducing productivity. This impact would be potentially significant. | | Mitigation Measure 3.5-1a: Minimize the Construction Footprint to Avoid Impacts on All Suitable Marbled Murrelet Nesting Habitat. The project applicant shall not remove any old-growth redwood or mature coniferous forest that could support nesting marbled murrelets, and to the extent feasible shall maximize the buffer between construction activities and suitable marbled murrelet habitat. The project applicant shall prepare documentation depicting the location of marbled murrelet nesting habitat overlain with the construction footprint to confirm that construction activities would have no direct impacts on suitable marbled murrelet habitat. The documentation shall be submitted to the Humboldt County Planning & Building Department, CDFW, and | LTS |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
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| | | or postconstruction monitoring approaches that differ from those described above, the stricter or most conservative measures shall apply. The avoidance, minimization, and mitigation measures implemented in fulfillment of the CDFW and USFWS incidental take permit requirements will be counted toward fulfillment of the mitigation requirements described above. | |
| 3.5-3: Construction Impacts on Bald and Golden Eagle Nesting Activity. Construction of the proposed project could affect bald and golden eagle nest success if active nests were directly affected, or if construction activity were to disturb nest sites, thereby reducing adults' nest attentiveness and nest productivity. This impact would be potentially significant. | | Mitigation Measure 3.5-3: Avoid and Minimize Impacts on Nesting Eagles. The project applicant shall implement the following measures to avoid and minimize impacts on nesting eagles: If construction activities are proposed during the eagle breeding season (January 1-August 31), the project applicant shall conduct preconstruction eagle nesting surveys to determine whether active eagle nests or territories are present within 2 miles of construction boundaries. Surveys shall be conducted by a qualified biologist experienced with the natural history and nesting/territorial behavior of eagles. The ground-based surveys shall be designed to cover all previously documented eagle nest locations (from the CNDDB, HRC monitoring results, or other reliable sources) and suitable eagles nesting habitat within the 2-mile buffer from the project construction boundaries Two 4-hour observations shall be conducted at each nest (multiple nests may be observed simultaneously), including one monitoring period in February, during courtship and before egglaying, and one in early March to determine whether territories are occupied by adult eagles and to identify nesting activity where possible. The results of the surveys shall be documented in a report and submitted to the Humboldt County Planning & Building Department, USFWS, and CDFW no later than August 31 of the breeding season in which the survey was conducted. If preconstruction surveys determine that active nests are present within 2 miles of construction activities, the project applicant shall avoid disturbance at active eagle nests. Consistent with the USFWS National Bald Eagle Management Guidelines (2007) and the guidance and recommendations of | LTS |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
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| 3.5-4: Construction Impacts on Bald and Golden Eagle Foraging and Nesting Habitat. Construction of the proposed project could remove or degrade the quality of suitable bald and golden eagle foraging habitat. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.5-5: Operational Impacts on Bald and Golden Eagles. Operation of the WTGs would pose a risk of collision to bald and golden eagles. This impact would be potentially significant. | | Mitigation Measure 3.5-5a: Avoid, Minimize, and Compensate for Operational Impacts on Eagles. The project applicant shall design and operate the project to minimize potential operational impacts on eagles by adhering to the following impact avoidance and minimization measures: • Maintain a landscape around WTGs that does not encourage raptor occurrence by maintaining rodent prey populations to relatively low levels. In addition, implement a prey management program to reduce the availability of rabbits, ground squirrels, and other prey that could attract eagles and other raptors. • Adhere to the general guidelines for turbine and WTG tower design and operation to minimize bird and bat mortality, use turbines and WTG tower designs lacking potential raptor perches that may encourage bird activity near the moving rotors, and avoid guy wires on meteorological towers. • Design and construct all energized project components, including the entire gen-tie, according to APLIC (2006) standards to minimize the potential for electrocution or collision with transmission lines by raptors and other large birds. The project applicant shall demonstrate compliance with BGEPA: • Before beginning project construction, the project applicant shall demonstrate to the Humboldt County Planning & Building Department that it has consulted with USFWS regarding potential impacts of the proposed project on eagles, that the proposed project has been assessed in accordance with the USFWS (2013) Eagle Conservation Plan Guidance, and that the project is in compliance with the BGEPA. | LTS |
| | ta | f the project applicant voluntarily elects to pursue an incidental ake permit for eagles with USFWS, any mitigation measures applemented in association with the permit (e.g., mortality | |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
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| | | represent the USFWS-designated "Eagle Management Units" for bald and golden eagles at the project site, respectively (USFWS 2016a). | |
| | | The project applicant shall provide a report describing successful implementation of the electric utility pole retrofits for every bald or golden eagle taken as a result of project operations to the Humboldt County Planning & Building Department and to USFWS. The report shall be provided no more than 1 year after detection of the eagle take. | |
| | | If the project applicant pursues a federal eagle incidental take permit and develops separate mitigation measures for eagles in association with an eagle conservation plan, any mitigation completed toward the eagle take permit requirements shall be counted toward the mitigation requirements outlined above. | |
| 3.5-6: Disturbance of Roosting and Nesting Northern Spotted Owls by Construction Activities. Project construction noise and activities could increase stress levels in owls during daytime roosting/nesting periods, potentially leading to nest abandonment. This impact would be potentially significant. | 1 | Mitigation Measure 3.5-6: Minimize Construction Disturbance to Northern Spotted Owl. | LTS |
| | | To prevent nest abandonment caused by auditory and visual disturbance, the project applicant shall implement the following noise and visual disturbance buffers during the nesting season in accordance with the USFWS guidelines Estimating the Effects of Auditory and Visual Disturbance to Northern Spotted Owls and Marbled Murrelets in Northwestern California (USFWS 2006): | |
| | | • 100 meters for high construction noise (81–90 decibels [dB]) | |
| | i i | 250 meters for very high construction noise (91–100 dB) | |
| | | • 400 meters for extreme construction noise (101–110 dB) The buffer sizes listed above are default thresholds. Site-specific sound attenuation shall be considered and buffers resized accordingly, and approved by CDFW and USFWS. Buffers shall be placed around northern spotted owl activity centers near the project site as determined during preconstruction surveys and shall account for the locations in the project area where extreme versus high category noise would occur. Buffers shall be clearly indicated on construction drawings and adherence to buffers shall be monitored during construction activities by a qualified monitor. The project applicant shall provide documentation to the Humboldt County Planning & Building Department that CDFW | |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
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| | | and USFWS have been consulted in developing the size of the auditory buffer and the level of monitoring and reporting required during construction, and that buffers have been established and adhered to during construction. | |
| 3.5-7: Removal, Fragmentation, and Modification of Northern Spotted Owl Habitat during Construction. Construction of access roads, the gen-tie, and other project facilities would result in disturbance to approximately 546.8 acres of forested northern spotted owl habitat (approximately 457.1 acres of temporary impact and 89.7 acres of permanent impact). This impact would be potentially significant. | | Mitigation Measure 3.5-7: Avoid, Minimize, and Compensate for Construction Impacts on Northern Spotted Owl. The project applicant shall implement the following measures to avoid, minimize, and compensate for impacts of project construction on northern spotted owl: • Develop a map based on the best available information depicting the locations of foraging, nesting, and roosting habitat for northern spotted owls on the project site. This information will guide efforts to minimize habitat impacts during the project's final design. The project applicant shall minimize, to the extent feasible, the removal or degradation of mature coniferous forest habitat or other habitats that could support foraging, roosting, or nesting northern spotted owls. Upon completion of construction, the project applicant shall submit to the Humboldt County Planning & Building Department, CDFW, and USFWS documentation of these minimization efforts, and shall provide an accounting of northern spotted owl foraging, nesting, and roosting habitat temporarily and permanently affected by construction. • Provide documentation to the Humboldt County Planning & Building Department, CDFW, and USFWS confirming that functional habitat thresholds have been met for all spotted owl activity sites occurring within 0.7 mile of the project area upon completion of construction. The thresholds that must be met include: • Maintain functional nesting habitat (no habitat modifications, no entry) within 500 feet of northern spotted owl activity centers. Maintain functional foraging and roosting habitat and avoid disturbance within 500-1,000 feet of northern spotted owl activity centers during nesting season. • Provide 500 acres of functional habitat within 0.7 mile of | LTS |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
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| | | by northern spotted owl (owned by either HRC or another entity), and/or implement this program on the off-site conservation lands described above. | |
| | | The project applicant shall comply with northern spotted owl management objectives, conservation measures, and adaptive management measures required in the HCP EIS/EIR (and incorporated into the HCP) (PALCO 1998). | |
| | | If CDFW and USFWS incidental take permits for northern spotted owl include avoidance, minimization, and mitigation measures that differ from those described above, the stricter or most conservative measures shall apply. | |
| 3.5-8: Operational Impacts on Northern Spotted Owls. Northern spotted owls that cross the road/ridge in the wind turbine generator zone as a matter of foraging habit, or during dispersal by young birds, have the potential to collide with WTG blades. This impact would be potentially significant. | | Mitigation Measure 3.5-8: Avoid, Minimize, and Compensate for Operational Impacts on Northern Spotted Owls. | LTS |
| | | The project applicant shall implement: | |
| | | Mitigation Measure 3.5-5a, "Avoid, Minimize, and Compensate for Operational Impacts on Eagles," which provides similar benefits and protections for northern spotted owls; and | |
| | | Mitigation Measure 3.5-5b, "Conduct Postconstruction Mortality Monitoring for Eagles," as adhering to postconstruction monitoring protocols for eagles will achieve adequate detection rates to determine whether the project has resulted in take of northern spotted owls. | |
| | | • For each northern spotted owl mortality, the project applicant shall develop and implement compensatory mitigation in consultation with CDFW and USFWS that will create one northern spotted owl for every individual taken to offset any fatalities documented over the operational life of the project. This offset can be accomplished with funding and implementation of barred owl management programs, or by acquisition of or conservation easements on habitat that would provide nesting, foraging, or roosting northern spotted owl habitat, as described in Mitigation Measure 3.5-7. The benefit to the affected population shall be demonstrated to offset take by | |
| | | creating one northern spotted owl for every spotted owl taken as a result of project operation. | |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
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| | | If CDFW and USFWS incidental take permits for northern spotted owl include avoidance, minimization, and mitigation measures that differ from those described above, the stricter or most conservative measures shall apply. | |
| 3.5-9: Construction Impacts on Nesting Raptors. Project construction could directly or indirectly affect the nesting success of raptors. This impact would be potentially significant. | | Mitigation Measure 3.5-9: Avoid Impacts on Nesting Raptors. The project applicant shall implement the following measures to avoid directly or indirectly affecting nesting raptors during project construction: • Where feasible, tree and vegetation removal activities shall be avoided in potential raptor nesting habitat during the avian nesting season (February 1–August 31, annually). • Preconstruction raptor nesting surveys shall be conducted. Before any construction activities occur during the avian nesting season (February 1–August 31), including vegetation removal (if necessary), preconstruction raptor nesting surveys shall be conducted by a qualified biologist to identify raptor nests within 500 feet of proposed work areas. The qualified biologist shall be knowledgeable in the distribution, habitat, life history, and identification of Northern California birds; experienced in nest searching for birds that may occur within study area; and knowledgeable in survey protocols and/or permits needed to survey for federally listed or state-listed birds. If active raptor nests are detected during preconstruction surveys, a 500-foot exclusion zone shall be established around the nest in which no work would be allowed until the young have successfully fledged or nesting activity has ceased. The determination of fledging or cessation of nesting shall be made by a qualified biologist with experience in nest searching and monitoring for raptors, in consultation with CDFW and USFWS. In consultation with CDFW and USFWS, the size of the exclusion cone may be modified depending on the species and the type of construction activity and associated disturbance anticipated near he nest. Active nest sites shall be monitored periodically by a qualified biologist throughout the nesting season to identify any tign of disturbance and to document nest status. | LTS |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
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| Impacts 3.5-10: Removal and Modification of Special-Status Raptor Nesting and Foraging Habitat during Construction. Construction of access roads, the gen-tie, and other project facilities would result in up to approximately 862.1 acres of impacts (approximately 729.5 acres of temporary impacts and 132.6 acres of permanent impacts) on potential nesting and foraging habitat for special-status raptor species. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.5-11: Operational Impacts on Raptors. Operation of the proposed project could result in mortality of and injury to raptors, as a result of collisions with wind turbine generators and electrical transmission lines. This impact would be potentially significant. | PS | Mitigation Measure 3.5-11: Avoid, Minimize, and Compensate for Operational Impacts on Raptors. | SU |
| | | The project applicant shall implement: | |
| | | Mitigation Measure 3.5-5a, "Avoid, Minimize, and Compensate for Operational Impacts on Eagles," which provides similar protections to raptors; | |
| | | Mitigation Measure 3.5-5b, "Conduct Postconstruction Mortality Monitoring for Eagles," as adhering to postconstruction monitoring for eagles will also provide sufficient fatality monitoring for other raptors; and | |
| | | Mitigation Measure 3.5-5c, "Implement Compensatory Mitigation to Offset Operational Impacts on Eagles." These avoidance and minimization measures include requirements to implement avoidance and minimization measures and implement a PCMM to monitor and report on project-related fatalities. This measure also describes compensatory mitigation in the form of retrofitting power poles to reduce electrocution risk to eagles, but this mitigation also provides benefits to raptors other than eagles (Kagan 2016). | |
| | i c c | After collection of 3 years of postconstruction monitoring data, the Humboldt County Planning & Building Department will review the data and, in consultation with USFWS and CDFW, will determine which, if any, specific WTGs generate disproportionately high levels of avian mortalities (based on evidence of statistically significant higher levels of mortality relative to other WTGs). If specific WTGs are found to result in disproportionately high avian mortalities, the project applicant shall consult with the County to evaluate any feasible measures | |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
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| | | or avoid mortalities at those specific WTGs. | |
| | | If unauthorized take of a federal or state threatened or endangered raptor occurs during project operation, the project applicant shall immediately notify the appropriate agency (CDFW and/or USFWS) by phone. The applicant shall then submit a written finding to the appropriate agency and the County within 2 calendar days that describes the date, time, location, species and, if possible, cause of unauthorized take. The applicant shall notify the County within 3 calendar days of the receipt of any USFWS and/or CDFW required or recommended actions resulting from the unauthorized take, including whether an incidental take permit and/or additional requirements is deemed necessary by either agency. | |
| 3.5-12: Construction Impacts on Avian Foraging and Nesting Habitat. Construction activities associated with installation of proposed project infrastructure, including wind turbine generators and pads, the substation, the O&M facility, and the gen-tie, resulting in removal of forest, woodland, grassland, and riparian habitat would result in loss of avian nesting, foraging, and migratory stopover habitat for special-status birds. This impact would be potentially significant. | | Mitigation Measure 3.5-12: Avoid and Minimize Impacts on Avian Nesting and Foraging Habitat. The project applicant shall implement the following measures to avoid or offset impacts on avian nesting and foraging habitat: • Minimize the construction footprint in riparian and wetland habitats, and in grassland habitats that could support nesting homed larks. Based on information from project bird use survey data (Stantec 2018g) and from McAllister (pers. comm., 2019), the project applicant shall develop a map depicting the location of the Bear River population of horned larks. Within this area, small and large rock outcroppings shall not be disturbed for the purposes of WTG placement. A 150-foot buffer shall be applied to large and small rock outcroppings that are suitable habitat for homed larks. If it is not feasible to maintain the rock outcroppings for the purpose of constructing the main access road, substitute rocks shall be placed within the mapped population area. • Implement Mitigation Measure 3.5-1c, "Develop and Implement a Worker Environmental Awareness Program." Provide compensatory mitigation for permanent impacts on grassland habitat, as described in Mitigation Measure 3.5-23e, "Develop and Submit a Reclamation, Revegetation, and Weed | LTS |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
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| | | Control Plan." Temporary impacts on grassland, scrub/shrub, and riparian habitat shall be restored on-site. | |
| 3.5-13: Construction Impacts on Nesting Birds. Construction of the proposed project could affect avian nest success if active nests were to be directly affected or if construction activity were to cause disturbance at nest sites, thereby reducing adults' nest attentiveness and nest productivity. This impact would be potentially significant. | | Mitigation Measure 3.5-13: Avoid Impacts on Nesting Birds. The project applicant shall minimize impacts on habitat supporting nesting birds, as described in Mitgation Measure 3.5-12, and shall implement Mitigation Measure 3.5-1c, "Develop and Implement a Worker Environmental Awareness Program," and measures for biological monitors. In addition, the project applicant shall implement the following measures to avoid directly or indirectly affecting nesting birds during project construction: • The project applicant shall conduct preconstruction nesting bird surveys to locate all active nests of special-status birds and birds protected under the MBTA, and California Fish and Game Code Sections 3503 and 3503.5. Before any construction activities occur during the general avian nesting season (March 1-August 31), including vegetation removal (if necessary), preconstruction nesting bird surveys shall be conducted by a qualified biologist to identify any nests within 250 feet of proposed work areas. The qualified biologist shall be knowledgeable in the distribution, habitat, life history, and identification of Northern California birds; experienced in nest searching for birds that may occur within the study area; and knowledgeable in survey protocols and/or permits needed to survey for federally listed or state-listed birds. If nests are detected during preconstruction surveys, a 250-foot exclusion zone shall be established around the nest in which no work will be allowed until the young have successfully fledged or nesting activity has ceased. The determination of fledging or exessation of nesting shall be made by a qualified biologist with experience in nest searching and monitoring for raptors, in consultation with CDFW and USFWS. In consultation with CDFW and USFWS. In consultation with CDFW and USFWS. In consultation with east status. | LTS |

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SU = Significant and Unavoidable

B = Beneficial

| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation | |
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| 3.5-14: Operational Impacts on Nonraptor Birds. Operation of the proposed project could result in mortality of and injury to | PS | Mitigation Measure 3.5-14: Avoid and Minimize Operational Impacts on Nonraptor Birds. | LTS | |
| nonraptor birds, as birds could collide with or be electrocuted by project components such as wind turbine generators and electrical transmission lines. This impact would be potentially | | | The project applicant shall implement the following measures to avoid and minimize operational impacts of the project on nonraptor birds: | |
| significant. | | Minimize Construction Footprint. The project applicant shall minimize the construction footprint to ensure that locations chosen for WTGs avoid known occurrences of all special-status nonraptor species to the greatest extent feasible. | | |
| | | Conduct Postconstruction Mortality Monitoring. PCMM studies shall be designed to ensure a minimum overall detection probability (g) for bats of 10 percent during "intensive" searches (first 3 years) and 3 percent for subsequent annual "road and pad" searches. The overall detection probability shall be calculated as described for marbled murrelet (Mitigation Measure 3.5-2b; Dalthorp et al. 2017). Achieving this level of detection for bats will ensure that the detection rates for small birds are sufficient as well, because small birds generally persist longer and are detected at higher rates than bats. | | |
| | | Calculate Detection Probability. The overall detection probability shall be calculated as described above for marbled murrelet and eagles, to represent the probability of detecting a carcass present on the site during the period of evaluation based on the results of searcher efficiency and carcass persistence trials, the proportion of WTGs covered, the proportion of carcasses falling within the search area, and the temporal extent of coverage. As described in Mitigation Measure 3.5-18b, this required level of detection is based on the need to accurately determine when the mortality rate of bats meets or exceeds 1.7 mortalities per WTG per year, which would trigger adaptive management action. Meeting this requirement will also ensure | | |
| | | that detection rates of small birds are adequate to identify when one or more species is experiencing significant mortality, because they are more readily detected and tend to persist for longer than bat carcasses. After collection of 3 years of postconstruction monitoring data, the Humboldt County Planning & Building Department will review the data and, in consultation with USFWS and CDFW, will determine which, if | | |

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PS = Potentially Significant

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
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| | | any, specific WTGs generate disproportionately high levels of avian mortalities (based on evidence of statistically significant higher levels of mortality relative to other WTGs). If specific WTGs are found to result in disproportionately high avian mortalities, the project applicant shall consult with the County to evaluate any feasible measures that can be implemented at the discretion of the County to reduce or avoid mortalities at those specific WTGs. Report Take. If unauthorized take of a federally listed or statelisted threatened or endangered avian species occurs during project operation, the project applicant shall immediately notify the appropriate agency (CDFW and/or USFWS) by phone. The project applicant shall then submit a written finding to the appropriate agency and the County within 2 calendar days that describes the date, time, location, species, and if possible, cause of unauthorized take. The project applicant shall notify the County within 3 calendar days of the receipt of any USFWS-and/or CDFW-required or recommended actions resulting from the unauthorized take, including whether an incidental take permit and/or additional requirements is deemed necessary by either agency. | |
| 3.5-15: Construction Impacts on Bat Maternity Roosts or Hibernacula and Loss of Essential Roost Habitat. Construction of the proposed project could result in mortality of and injury to bats, including special-status species, and removal of essential bat roost habitat. This impact would be potentially significant. | | Mitigation Measure 3.5-15: Avoid and Compensate for Impacts on Bat Roosts. To avoid direct and indirect impacts on bats, the project applicant shall conduct a habitat asssssment to determine whether potential bat roosts occur in or near the project area, and shall implement avoidance and minimization measures to protect bats and bat roosts as described below. 1. Conduct a habitat assessment to identify potential bat roost sites: a. Trees, rock outcroppings, and structures to be removed shall be assessed for potentially suitable colonial roost habitat in advance of removal (Tatarian 2018). The assessment shall be conducted under the guidance of a qualified biologist with experience identifying bat roosts and approved by CDFW. The assessment shall emphasize trees and rock outcroppings that exhibit characteristics that provide high-quality roost | LTS |

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SU = Significant and Unavoidable

LTS = Less than Significant

B = Beneficial

NI = No Impact

survey all potential roost habitat rated 2 that is inaccessible

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| Table ES-1. Summary of Project Impacts and Mitigation Measures Significance Aft | | | | |
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| | Impacts | Significance Before Mitigation | Mitigation Measures | Mitigation |
| Table ES-1. | | | for visual inspection to determine habitat use patterns. The survey design may include emergence surveys using night-vision technology, acoustic surveys, thermal surveys, or any combination of the above, as determined appropriate for specific site conditions by the qualified biologist, and as approved by CDFW. The surveyor shall attempt to determine whether the habitat serves as a day roost, night roost, maternity roost, and/or hibernacula; how many bats may use the habitat; and which species may use the habitat. To determine which seasons the roost is in use, such surveys may need to be conducted during all four seasons. Any habitat with indications of use shall be changed to a rating of 3. Any roost habitat that is surveyed sufficiently, as determined by the qualified biologist in consultation with CDFW, to indicate an absence of bat use shall be changed to a rating of 1. c. As an alternative to doing extensive surveys to determine habitat use patterns and/or to determine whether the roost is used by Townsend's big-eared bat, the project applicant shall assume that all potential roost habitat rated 2 is identified roost habitat rated 3, and shall remove it and compensate for its loss as described below. | |
| | | | 3. Adjust tree removal timing and approach to minimize impacts: a. To the extent feasible, all tree removal shall occur in the fall (September 1–October 31, with adjustments possible depending on weather conditions and as approved by CDFW) to minimize impacts on foliage-roosting bat species, and on any colonial tree-roosting species not detected during the habitat assessment and surveys. All trees rated 3 shall only be removed outside of their season(s) of use, or in the fall. b. The project applicant shall implement a staged approach to tree removal under the guidance of the qualified biologist who has experience identifying bat roosts. The purpose of the staged approach is to encourage any bats in residence to leave before habitat is removed. Where roost habitat rated 2 or 3 must be removed, habitat rated 1 shall be removed at least 1 day and no more than 5 days before habitat rated 2 or | |

LTS = Less than Significant

B = Beneficial

NI = No Impact

SU = Significant and Unavoidable PS = Potentially Significant

PS = Potentially Significant

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LTS = Less than Significant

NI = No impact

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SU = Significant and Unavoidable

B = Beneficial

| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
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| | | roost habitat and the construction. | |
| | | Starting the disturbance before the sensitive season(s) and continuing into the sensitive season(s), so that bats can avoid establishing a maternity or hibernation roost in the area of disturbance, or can become desensitized to the disturbance before their sensitive season(s). | |
| | | Avoiding the use of nighttime lighting and/or disruptive work around important night roosts. | |
| | | Temporarily excluding bats before their sensitive seasons and before construction disturbance. | |
| | | As an alternative to implementing Measures 5a and 5b listed above, all highly suitable roost habitat may be surveyed as described above in Measure 2. If the qualified biologist determines that survey approaches and results are sufficient to indicate an absence of bats in the potential roost habitat, no further action is required. | |
| 3.5-16: Construction Disturbance of Bachelor Groups, Migratory Roosts, or Solitary Bats. Construction of the proposed project could result in mortality, displacement, and disturbance of bachelor groups, migrating bats, or solitary bats, including special-status species. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.5-17: Loss of Bat Foraging Habitat and Nonessential Roosts. Construction of the proposed project would require the permanent removal of foraging habitat, and could result in the permanent loss of nonessential roosts. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.5-18: Operational Impacts on Bats. Operation of the proposed project could result in mortality of and injury to a large number of bats, including special-status bat species, as a result of interaction with wind turbine generators. This impact would be potentially significant. | | Mitigation Measure 3.5-18a: Preclude Operational Impacts on Bat Population Level Decline through Consultation with a Technical Advisory Committee. To minimize the risk of bat mortality and preclude the project's contribution to significant impacts on local and regional bat populations, a technical advisory committee (TAC) shall be formed and funded by the project applicant. The TAC shall evaluate postconstruction monitoring data to determine whether bat mortality attributable to the project poses a potential for a | LTS |

S = Significant

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SU = Significant and Unavoidable

NI = No Impact

B = Beneficial

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| the TAC. Surveys shall be designed for determining whether, when, and where bats—particularly hoary bats—move through th project site and in what numbers. The study design may include a | | |
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| The project applicant shall conduct mortality monitoring across the project site to inform resource management practices, to aid in refining operational minimization measures for minimizing bat fatalities and loss of energy generation, and for assessing the effectiveness of other impact minimization measures currently in development that may be implemented as they become available. | | |
| developed in consultation with the TAC. The monitoring protocol and evaluation methods used shall incorporate "lessons learned" from other recent monitoring efforts (e.g., Golden Hills North Wind Energy Center), and may include the use of scent detection dogs and data analysis approaches developed by USGS (GenEst, | | |
| detection probability (g) for bats of 10 percent during "intensive" searches (first 3 years) and 3 percent for subsequent annual "road and pad" searches. The overall detection probability shall be calculated as described for marbled murrelet (Mitigation Measure 3.5-2b; Dalthorp et al. 2017). The overall detection probability shall be calculated as described above for marbled murrelet and eagles, to represent the probability of detecting a carcass present on the site during the period of evaluation based on the results of searcher efficiency and carcass persistence trials, the proportion of WTGs covered, the proportion of carcasses falling within the | | |
| | to refine operations to minimize bat fatalities and loss of energy generation. Study designs shall be developed in consultation with the TAC. Surveys shall be designed for determining whether, when, and where bats—particularly hoary bats—move through the project site and in what numbers. The study design may include a combination of study methods, such as radiotelemetry monitoring using Motus stations, thermal imaging, radar studies designed to detect the elevations at which bats fly through the project area, and acoustic studies conducted at WTG elevations (Weller, pers. comm., 2018; Johnston, pers. comm., 2018). The project applicant shall conduct mortality monitoring across the project site to inform resource management practices, to aid in refining operational minimization measures for minimizing bat fatalities and loss of energy generation, and for assessing the effectiveness of other impact minimization measures currently in development that may be implemented as they become available. | to refine operations to minimize bat fatalities and loss of energy generation. Study designs shall be developed in consultation with the TAC. Surveys shall be designed for determining whether, when, and where bats—particularly hoary bats—move through the project site and in what numbers. The study design may include a combination of study methods, such as radiotelemetry monitoring using Motus stations, thermal imaging, radar studies designed to detect the elevations at which bats fly through the project area, and acoustic studies conducted at WTG elevations (Weller, pers. comm., 2018; Johnston, pers. comm., 2018). The project applicant shall conduct mortality monitoring across the project site to inform resource management practices, to aid in refining operational minimization measures for minimizing bat fatalities and loss of energy generation, and for assessing the effectiveness of other impact minimization measures currently in development that may be implemented as they become available. The monitoring protocol (i.e., field protocol) and data evaluation methods (e.g., statistical and modeling approaches) shall be developed in consultation with the TAC. The monitoring protocol and evaluation methods used shall incorporate "lessons learned" from other recent monitoring efforts (e.g., Golden Hills North Wind Energy Center), and may include the use of scent detection dogs and data analysis approaches developed by USGS (GenEst, Evidence of Absence model), as appropriate. PCMM studies shall be designed to ensure a minimum overall detection probability (g) for bats of 10 percent during "intensive" searches (first 3 years) and 3 percent for subsequent annual "road and pad" searches. The overall detection probability shall be calculated as described for marbled murrelet (Mitigation Measure 3.5-2b; Dalthorp et al. 2017). The overall detection probability shall be calculated as described above for marbled murrelet and eagles, to represent the probability of detecting a carcass present on the site during the period |

PS = Potentially Significant

SU = Significant and Unavoidable

Significance After Mitigation

AECOM Executive Summary

NI = No impact

B = Beneficial

LTS = Less than Significant

| Table ES-1. Summary of Project Impacts and Mitiga | Significance | | Significance After |
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| Impacts | Before Mitigation | Mitigation Measures | Mitigation |
| | | level of detection is based on the need to accurately determine when the mortality rate of hoary bats meets or exceeds mortality rates that may trigger adaptive management action. The TAC may determine that intensive searches are needed beyond the first 3 years of operation to provide enough iterations to determine the best operational protocols to minimize mortality and loss of energy generation. | |
| | | The project applicant shall report bat survey and mortality data to BatAMP, the Wildlife Response and Reporting System, the Biogeographic Information and Observation System Program, and other organizations that collaboratively collect and analyze these data, in accordance with California Energy Commission guidelines, and as directed by the TAC. | |
| | | The project applicant shall implement an employee wildlife incident reporting program to document and report any unanticipated or unusual events (e.g., a large-scale bat fatality event or atypical fatality pattern) discovered outside the course of standardized postconstruction monitoring. Such discoveries shall be reported to the TAC for a root cause analysis, and operational minimization measures shall be developed and implemented to reduce the likelihood of such events occurring again. | |
| | | Mitigation Measure 3.5-18c: Design and Operate Facility Lighting to Avoid Attracting Bats into Rotor Paths. | |
| | I | Light sources required for operations shall be located, shielded, and oriented to avoid attracting bats into the rotor path of any WTGs. Lighting near WTGs shall be motion-activated, shall emit no light during the "off" phase, and shall be set for short durations when activated. | |
| 3.5-19: Construction Impacts on Special-Status Mammals. Grading and clearing activities, foot and vehicular traffic, and | | Mitigation Measure 3.5-19a: Minimize Impacts on Wildlife and Monitor during Construction. | LTS |
| equipment operations associated with preparation of staging areas, construction of access roads, installation of components, and other activities associated with construction of the proposed project would result in loss of habitat for and disturbance of | c | The project applicant shall retain qualified biological monitors to continuously implement the following measures during construction to minimize impacts on wildlife and sensitive habitats: | |
| special-status wildlife, including the potential for direct mortality and injury. This impact would be potentially significant. | • | Monitor construction activity for compliance with all project permits and the approved mitigation and monitoring program | |

S = Significant

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PS = Potentially Significant

NI = No impact

B = Beneficial

LTS = Less than Significant

NI = No Impact

B = Beneficial

| Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
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| | | Nighttime vehicle traffic associated with project activities shall be kept to a minimum volume and speed to prevent mortality of nocturnal wildlife species. | |
| | | Mitigation Measure 3.5-19b: Avoid and Minimize Impacts on Special-Status Mammals and Associated Habitats. | |
| | | To avoid and minimize impacts on special-status wildlife and associated habitats, the project applicant shall implement the following measures: | |
| | | Mitigation Measure 3.5-1c, "Develop and Implement a Worker Environmental Awareness Program" | |
| | | "Minimize Construction Footprint" in Mitigation Measure 3.5- 14, "Avoid and Minimize Operational Impacts on Nonraptor Birds" | |
| | | Mitigation Measure 3.5-23e, "Develop and Submit a Reclamation, Revegetation, and Weed Control Plan" | |
| | | Mitigation Measure 3.5-22b, "Implement Siting Constraint Measures to Delineate and Protect Aquatic Resources" | |
| | | Mitigation Measure 3.10-1, "Implement Wet-Weather BMPs Consistent with the Humboldt Redwood Company Habitat Conservation Plan," in Section 3.10, "Hydrology and Water Quality" | |
| | | Mitigation Measure 3.5-19c: Develop and Implement a Preconstruction Survey Plan for Special-Status Mammals. | |
| | | Before approval of grading or improvement plans, a qualified biologist shall prepare a preconstruction survey plan for special-status mammals. The survey plan shall address the following special-status species: Sonoma tree vole, ringtail, Pacific fisher, and American badger. Survey techniques and methodologies described in the plan may incorporate those described in Sonoma Tree Vole Habitat on Managed Redwood and Douglas-fir Forestlands in North Coastal California (Chinnici et al. 2011) and the Fisher and Marten Survey Techniques on the Tahoe National Forest (Fowler and Golightly 1994). The survey plan shall include the following elements: | |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
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| | | all trenches, bores, and other excavations shall be sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access, or fully enclosed with exclusion fencing. If any wildlife becomes entrapped, construction shall not occur until the animal has left the trench or been removed by a qualified biological monitor as feasible. • Employees and contractors shall look under vehicles and equipment for the presence of wildlife before moving vehicles and equipment. If wildlife is observed, no vehicles or equipment shall be moved until the animal has left voluntarily or is removed by the biological monitor. No listed species shall be handled. • Vehicle speed limits shall not exceed 15 miles per hour during construction and operation of the project. A speed limit sign shall be posted at all project site entry locations. • The project shall continuously minimize use of high-intensity lighting, steady burning, or bright lights such as sodium vapor, quartz, halogen, or other bright spotlights. Nighttime vehicle traffic associated with project activities shall be kept to a minimum volume and speed to prevent mortality of nocturnal wildlife species. Mitigation Measure 3.5-19e: Restore Special-Status Mammal Habitat. If restoration and/or enhancement of special-status mammal habitat is selected as a mitigation strategy, the project applicant shall implement Mitigation Measure 3.5-23e, "Develop and Submit a Reclamation, Revegetation, and Weed Control Plan," and include performance standards, and a monitoring and reporting program to track revegetation and/or enhancement success. | |
| 5.5-20: Operational Impacts on Special-Status Mammals. The potential exists for special-status mammals present in the project area during project operation to be struck by vehicles. This impact would be less than significant. | LTS 1 | No mitigation measures are required. | LTS |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
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| 3.5-21: Construction Impacts on Special-Status Amphibians and Reptiles. Grading, clearing, horizontal directional drilling, | PS | Mitigation Measure 3.5-21a: Avoid and Minimize Impacts on Aquatic, Riparian, and Upland Habitats. | LTS |
| and other activities associated with project construction could result in direct and indirect impacts on special-status amphibian and reptile species and their habitat. This impact would be potentially significant. | | The project applicant shall avoid and minimize removal and disturbance of aquatic, riparian, and upland habitats that could support special-status amphibians and reptlies by implementing the following measures: | |
| | | Mitigation Measure 3.5-1c, "Develop and Implement a Worker Environmental Awareness Program" | |
| | | "Minimize Construction Footprint" in Mitigation Measure 3.5- 14, "Avoid and Minimize Operational Impacts on Nonraptor Birds" | |
| | | Mitigation Measure 3.5-22b, "Implement Siting Constraint Measures to Delineate and Protect Aquatic Resources" | |
| | | Mitigation Measure 3.5-22d, "Avoid Potential Effects on Aquatic Resources Associated with Horizontal Directional Drilling" | |
| | | Mitigation Measure 3.5-23e, "Develop and Submit a Reclamation, Revegetation, and Weed Control Plan" | |
| | | Mitigation Measure 3.10-1, "Implement Wet-Weather BMPs Consistent with the Humboldt Redwood Company Habitat Conservation Plan," in Section 3.10, "Hydrology and Water Quality" | |
| | | Mitigation Measure 3.5-21b: Avoid and Minimize Impacts on Special-Status Amphibians and Reptiles. | |
| |) : i | The project applicant shall avoid and minimize impacts on foothill vellow-legged frog, northern red-legged frog, Pacific tailed frog, southern torrent salamander, and western pond turtle by implementing the mitigation measures listed above and Mitigation Measure 3.5-19a, "Minimize Impacts on Wildlife and Monitor during Construction." | |
| | I | Mitigation Measure 3.5-21c: Develop and Implement a Preconstruction Survey Plan for Special-Status Amphibians and Reptiles. | |
| | | The project applicant shall implement preconstruction surveys as lescribed below. The preconstruction survey plan shall identify, at | |

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| lumboldt Wind Energy Project Draft EIR tumboldt County | | | If avoidance is infeasible, the project applicant shall coordinate with CDFW to passively relocate the special-status amphibian or reptile. | |
| roject (| | | Mitigation Measure 3.5-21d: Avoid and Minimize Impacts on Foothill Yellow-Legged Frog. | |
| Draft EIR | | | A qualified biologist shall conduct a visual preconstruction survey for foothill yellow-legged frog in or within 200 feet of suitable habitat 48 hours before the start of construction. The biologist shall be familiar with the life cycle of this species and shall conduct surveys appropriate to the life stage anticipated to be present in the project area at the time of year during which surveys are being undertaken. | |
| ES-54 | | i | If foothill yellow-legged frog is detected during surveys, the project applicant shall implement avoidance measures included in the incidental take permits obtained by CDFW. Avoidance and minimization measures for foothill yellow-legged frog shall include, as appropriate, the following components: | |
| - | | | Seasonal work restriction | |
| | | ŀ | Exclusion fencing | |
| | | ŀ | Decontamination | |
| | | - | No night work or lighting | |
| | | | Water diversion | |
| | | - | Water storage facilities | |
| | | - | • Season of diversion | |
| | | - | Bypass flow | |
| | į | | Diversion materials | |
| | | - | Diversion monitoring | |
| AECOM Executive Summary | | r i s a s | f foothill yellow-legged frogs are found during the preconstruction survey, the project applicant shall consult CDFW immediately by either telephone or e-mail and shall provide a short description of observations, including a count of individuals and the life stage(s), conditions at the site, and other aquatic pecies observed. If no foothill yellow-legged frogs are found luring the preconstruction survey and no surface water is present | |

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In addition, the project applicant shall coordinate with Humboldt

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| | Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
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| Table ES-1. Su | | | County to implement the Five Counties Salmonid Conservation Program to protect water quality for listed salmonids during activities associated with construction of access roads, including culvert installation, in accordance with the Five Counties Salmonid Conservation Roads Maintenance Manual. This manual (Five Counties Salmon Conservation Program 2002) provides a framework for implementing improved road maintenance practices and was developed with input from CDFW Region I, the North Coast RWQCB, and NMFS. The manual, which was adopted by the County in 2010, includes guidelines and procedures for protecting listed salmonids in the context of road construction and maintenance, including measures for culvert maintenance, soil disposal, bridge maintenance, monitoring practices, staff training, BMP designs, culvert criteria for fish passage, and water drafting guidelines. | |
| | | | Mitigation Measure 3.5-22b: Implement Siting Constraint Measures to Delineate and Protect Aquatic Resources. The project applicant shall assign a qualified biologist to flag or fence aquatic habitats to clearly delineate the extent of construction. All crews shall be provided a set of drawings showing the locations of aquatic habitats in and near the work area. | |
| | | | Mitigation Measure 3.5-22c: Avoid Impacts on Sediment and Habitats in Humboldt Bay and Implement Eelgrass Monitoring and Protection Plan. | |
| | | | The project applicant shall avoid all impacts on sediment and adjacent habitats (such as eelgrass beds) in Humboldt Bay by using existing shipping channels and pinning the barge against wooden piles connected to the shore by a mooring line. The barge shall not come in contact with Humboldt Bay sediment or habitats at any time. The project applicant shall develop an eelgrass monitoring and protection plan to ensure that eelgrass beds will not be adversally effected divising offloading of components in | |
| | | | not be adversely affected during offloading of components in Humboldt Bay. | |

S = Significant

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| NI = No Impact | B = Beneficial | LTS = Less than Significant | S = Significant | PS = Potentially Significant | SU = Significant and Unavoidable |
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| | | resources, and surrounding areas, for evidence of frac-outs. The biological monitor shall monitor the drilling fluid circulation at the horizontal directional drilling site and stay aware of the | | | |

| oldt Wir | Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
|--|---------|-----------------------------------|---|---------------------------------|
| Humboldt Wind Energy Project Draft EIR | | | status of the operation. If the biological monitor suspects a potential frac-out that is not yet visible at the surface (e.g., loss of bentonite slurry in the drill pit but no frac-out at the surface), the project applicant shall cease horizontal directional drilling activities immediately and the horizontal directional drilling contractor shall implement measures to reduce the potential for a frac-out (e.g., increase the density of the drilling mud or reduce the pressure of the drill). The project applicant shall then be allowed to continue horizontal directional drilling activities. If a frac-out occurs, the project applicant shall implement the measure identified below to reduce or minimize effects on the affected aquatic resource. The horizontal directional drilling contractor shall keep necessary response equipment and supplies (e.g., vacuum truck, straw bales, sediment fencing, sandbags) on-site during horizontal directional drilling operations so that they are readily available in the event of a frac-out. | |
| 1 | | | If a frac-out is detected, the project applicant shall implement the following measures to reduce or minimize effects on the affected aquatic resource: All work shall stop until the frac-out has been contained and cleaned up. The frac-out area shall be isolated with straw bales, sandbags, or silt fencing to surround and contain the drilling mud; cleanup shall be performed using a vacuum truck supported by construction workers on foot using hand tools, as necessary. (To prevent effects on the streambanks, mechanized equipment shall not be used to scoop or scrape up frac-out materials.) If a frac-out occurs, the project applicant shall notify the appropriate jurisdictional agency (USACE, the North Coast | |
| AECOM | | | RWQCB, and/or CDFW) and the County Public Works— Engineering Department by telephone and in writing (e- mail acceptable) within 24 hours. The required notification shall include a description of the frac-out and cleanup measures implemented. For the purpose of this mitigation, | |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
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| | | USACE, the North Coast RWQCB, and CDFW are considered potentially jurisdictional agencies that require notification of a frac-out affecting a stream feature, and USACE and the North Coast RWQCB are considered potentially jurisdictional agencies that require notification of a frac-out. | |
| | | If a frac-out occurs and is considered to have negatively affected the Eel River, based on consultation with the appropriate jurisdictional agencies, the project applicant shall implement appropriate measures to restore pre-horizontal directional drilling conditions in consultation with the agencies. | |
| 3.5-23: Impacts on Special-Status Plants during Project Construction and Operation. Grading, clearing, and other activities associated with construction and operation of the | | Mitigation Measure 3.5-23a: Conduct Preconstruction Botanical Surveys for Special-Status Plants. The project applicant shall conduct appropriately timed botanical | LTS |
| proposed project would result in loss and disturbance of special- status plant species present in the project footprint. This impact would be potentially significant. | | Ine project applicant shall conduct appropriately timed obtained surveys before construction for all areas of ground disturbance that could support special-status plant populations. Floristic surveys shall be conducted by a qualified botanist during the species' blooming period in accordance with methods described in CDFW's 2018 Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities (CDFW 2018b). The results of the survey shall be presented in a report submitted to Humboldt County and CDFW no later than August 2019. If additional special-status plants are detected in the project area, they shall be incorporated into project siting, design, avoidance, and management in accordance with Mitigation Measures 3.5-23b through 3.5-23d below. | |
| | l | Mitigation Measure 3.5-23b: Avoid and Minimize Impacts of Project Construction on Special-Status Plants. | |
| | f 6 5 t t | Known occurrences of special-status plants shall be flagged during preconstruction surveys and avoided to the greatest extent feasible. Avoidance measures may consist of placing an equipment limitation or equipment exclusion zone around special-status plant populations to minimize direct impacts while allowing he use of any existing roads or other access areas that may pass hrough the equipment limitation zone or near the equipment exclusion zone. If impacts on Siskiyou checkerbloom cannot be evoided, then a qualified biologist shall map the location and | |

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| nd Energy I | | | extent of potentially affected populations in the project impact area during preconstruction surveys, and shall quantify the anticipated loss for mitigation. | |
| lumboldt Wind Energy Project Draft EIR lumboldt County | | 1 | To control invasive/noxious weeds, the project applicant shall implement Mitigation Measure 3.5-23e, "Develop and Submit a Reclamation, Revegetation, and Weed Control Plan," before construction begins. The project applicant shall return all temporarily disturbed areas to their natural condition by implementing the project reclamation, revegetation, and weed control plan. | |
| | | | Mitigation Measure 3.5-23c: Compensate for Permanent Effects of Project Construction on Special-Status Plants and Associated Habitats. | |
| ES-60 | | | Where occurrences of special-status plants cannot be avoided, the reclamation, revegetation, and weed control plan shall include seed, plant, and/or topsoil salvage. Topsoil, seeds, and/or plants shall be replaced in the approximate location of their removal after project construction has been completed, or in another location within the project area with suitable habitat. In addition, mitigation for permanent loss for sensitive natural communities (Mitigation Measures 3.5-24a through 3.5-24c, below) will benefit the special-status plant species supported in those communities. | |
| | | | Mitigation Measure 3.5-23d: Compensate for Impacts on Siskiyou Checkerbloom. | |
| | | 1 1 5 0 0 | For any unavoidable impacts on Siskiyou checkerbloom, the project applicant shall develop a mitigation strategy as part of the reclamation, revegetation, and weed control plan. The mitigation strategy shall include performance standards for successful re)establishment of Siskiyou checkerbloom and/or enhancement of existing habitat, and a monitoring and reporting program to rack revegetation and/or enhancement success. This plan shall be leveloped in consultation with CDFW and shall be approved by tumboldt County before construction begins. Mitigation shall be | |
| AECOM | | a | t least 1.5:1 for the actual impact acreage to Siskiyou heckerbloom populations, calculated per as-built construction rawings and the results of the preconstruction plan surveys. | |

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SU = Significant and Unavoidable

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SU = Significant and Unavoidable

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In sensitive natural communities, mature, woody trees and

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SU = Significant and Unavoidable

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B = Beneficial

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| Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
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| | monitoring and reporting requirements (including monitoring period), and criteria to measure mitigation success; and remedial measures, should mitigation efforts fall short of established targets. The project applicant shall consult with USACE about the adequacy of the plan and may consult with other agencies, if the plan aims to fulfill multiple permitting and mitigation requirements. | |
| LTS | No mitigation measures are required. | LTS |
| LTS | No mitigation measures are required. | LTS |
| | Consistent with the Humboldt Redwood Company Habitat Conservation Plan or Equivalent BMPs. To reduce the potential for erosion and sedimentation that may cause downstream impacts on anadromous fish species, the project applicant shall implement the following measures from the Humboldt Redwood Company HCP. During the wet season (October 15–June 1), the project applicant shall implement the following measures while conducting road or landing construction, reconstruction, and road upgrades: | LTS |
| | LTS PS | Perfore Mitigation monitoring and reporting requirements (including monitoring period), and criteria to measure mitigation success; and remedial measures, should mitigation efforts fall short of established targets. The project applicant shall consult with USACE about the adequacy of the plan and may consult with other agencies, if the plan aims to fulfill multiple permitting and mitigation requirements. LTS No mitigation measures are required. LTS No mitigation measures are required. |

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| lumboldt Wind Energy Project Draft EIR | | | Class III waters. [The Equipment Exclusion Zone is the area where heavy equipment associated with timber operations is totally excluded for the protection of aquatic habitat, aquatic species, water quality, and beneficial uses of water and other forest resources. Class I waters are those where fish are always or seasonally present on-site, and include habitat to sustain fish migration, spawning, and rearing, and domestic water supplies, such as springs, on-site or within 100 feet downstream of the project operations area. Class II waters are non-fish-bearing waters where aquatic habitat is present for non-fish aquatic species, including in watercourses, streams, seeps, springs, lakes, ponds, and wetlands. Class III waters are those with no aquatic life or habitat present.] | |
| | | | The construction, reconstruction, and upgrading shall not cross Class I, II, or III waters. | |
| | | | No portion of the constructed, reconstructed, and upgraded road/landing shall cross an inner gorge, headwall swale, unstable area, extreme, very high, or high mass-wasting hazard area. The soil moisture condition in the soils moved for purposes of construction, reconstruction, and upgrading shall be no wetter than is found during normal watering (dust abatement treatments or light rainfall, and the soil is not rutting or pumping fines. | |
| | | • | During and after construction, reconstruction, and upgrading, there shall be no visible increase in turbidity in any drainage facility, construction/reconstruction site, or road surface, any of which drains directly to Class I, II, or III waters (standing water on the road that does not drain to Class I, II, or III waters is not applicable). | |
| | | • | During construction, reconstruction, and upgrading, erosion control material of sufficient quantity shall be stockpiled on-site and utilized to prevent an increase in turbidity in any drainage facility, construction site, or road surface, any of which drains directly to Class I, II, or III waters. | |
| AECOM | | N | Alternatively, the project applicant shall implement Mitigation Measure 3.10-1, "Implement Wet-Weather BMPs Consistent with the Humboldt Redwood Company Habitat Conservation Plan," | |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
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| | | described in Section 3.10, "Hydrology and Water Quality." These measures describe BMPs for wet-season erosion control, and a water quality monitoring program that provides Humboldt County with stop-work authority over project construction activities. | |
| 3.6 Cultural Resources, Including Tribal Cultural Resou | irces | | |
| 3.6-1: Change to the Significance of an Archaeological Resource. Multiple documented or assumed eligible cultural resources in the project area have the potential to be damaged or destroyed by project implementation. This impact would be potentially significant. | | Mitigation Measure 3.6-1a: Avoid Potential Impacts. Before construction permits are issued, the project applicant shall submit improvement plans to the County Planning & Building Department demonstrating that the WTG locations and other permanent infrastructure will avoid known archaeological resources. Previously recorded site P-12-003314 must be identified in the field and avoided. If it cannot be relocated, its extent will be assumed to be consistent with the Roscoe et al. 2010 study and no WTG or other infrastructure requiring excavation will be located in this area. Mitigation Measure 3.6-1b: Preserve Resources in Place. For locations where archaeological resources have been identified or may exist (including the Bridgeville Substation expansion area) and cannot be avoided, the improvements shall be constructed such that no excavation is undertaken. The intact resources shall be preserved in place by capping the resource(s). The improvement plans submitted to the County shall include details regarding the improvements, with components including placement of geo-fabric over existing ground, placement of clean fill material over the fabric, and final improvements on top of the clean fill. Mitigation Measure 3.6-1c: Monitor Ground-Disturbing Activities. An archaeologist and Native American Tribal monitor shall be onsite, at the project applicant's expense, to observe and inspect all ground-disturbing activities. The archaeologist and Native American Tribal monitor shall have authority to stop work in an area where previously unidentified resources are encountered until he resources have been appropriately identified and addressed. In he event that resources are discovered, the County Planning & Building Department shall be notified immediately. | LTS |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
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| | | Mitigation Measure 3.6-1d: Prepare Treatment Plan and Stop Potentially Damaging Work for Inadvertent Discovery of Cultural Materials Uncovered during Project Construction, Assess the Significance of the Find, and Pursue Appropriate Management. | |
| | | The project applicant shall prepare an unanticipated-discoveries plan that shall outline contacts and steps to be taken in the event of an unanticipated discovery, including steps from assessment to curation. The plan shall include the following steps to be taken if an inadvertent discovery of cultural materials (e.g., unusual amounts of shell, animal bone, bottle glass, ceramics, structure/building remains) is made during project-related construction activities: | |
| | | Halt construction activities within 100 feet until a qualified archaeologist and Native American monitor make a determination about the resource. | |
| | | Evaluate the significance of the resources. Implement treatment measures set forth in the plan in consultation with the County. If avoidance is feasible, project modifications shall be made to avoid the resource. If avoidance is not feasible and the County Planning & Building Department determines that the resource is not CRHR eligible, no additional mitigation is required and construction can proceed. If the County Planning & Building Department determines that the resource is CRHR eligible and that the discovery has significant historical associations or could yield additional scientific information about local or regional history or prehistory that has not been recovered during prior investigations, the project applicant shall complete a Phase III data recovery excavation program for significant cultural resources that would be affected. Prepare a report documenting evaluation and treatment of the resource for submission to the County. | |
| 3.6-2: Disturbance of Human Remains. Previously undiscovered buried human remains could be encountered during project construction, resulting in damage to or destruction of such remains. This impact would be potentially significant. | H A | Mitigation Measure 3.6-2: Stop Potentially Damaging Work if Human Remains Are Uncovered during Project Construction, Assess the Significance of the Find, and Pursue Appropriate Management. | LTS |

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| | Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
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| Humboldt Wind Energy Project Draft EIR | | | California law recognizes the need to protect interred human remains, particularly Native American burials and associated items of patrimony, from vandalism and inadvertent destruction. The procedures for the treatment of discovered human remains are contained in Sections 7050.5 and 7052 of the California Health and Safety Code, and PRC Section 5097. | |
| aft EIR | | | In accordance with the California Health and Safety Code, if human remains are uncovered during ground-disturbing activities, all such activities within a 100-foot radius of the find must be halted immediately and the project applicant's designated representative must be notified. The project applicant is required to notify the County Coroner and a qualified professional archaeologist immediately. The coroner will examine all discoveries of human remains within 48 hours of receiving notice of a discovery on private or state lands, as per Section 7050.5(b) of the Health and Safety Code. If the coroner determines that the remains are those of a Native American, the coroner will contact the NAHC by phone within 24 hours of making that determination, as per Section 7050(c) of the Health and Safety Code. The project applicant must act on notification of a discovery of Native American human remains in compliance with PRC Section 5097.9. The project applicant and the professional archaeologist are required to contact the Most Likely Descendant, as determined by the NAHC, regarding the remains. The Most Likely Descendant, in cooperation with the property owner and the lead agencies, will determine the ultimate disposition of the remains. | |
| AECOM | 3.6-3: Change to the Significance of a Historical Resource. Historic districts and historic landscapes could be affected by the project. This impact on the Scotia Historic District would be less than significant, while this impact on the Bear River Ridge and Valley Historic Landscape and Bear River Ridge Ethnobotanical/Cultural Landscape would be significant. | District: LTS Bear River Ridge and Valley Historic Landscape and Bear River Ridge Ethnobotanical/ Cultural Landscape: S | The mitigation measures below do not apply to the impact on the Scotia Historic District. Mitigation Measures 3.6-3a and 3.6-3b apply to the impact on the Bear River Ridge and Valley Historic Landscape, while Mitigation Measure 3.6-3c applies to the Bear River Ridge Ethnobotanical/Cultural Landscape. Mitigation Measure 3.6-3a: Prepare a Historic American Landscape Survey Report. Before any project-related ground disturbance, the project applicant shall retain a professional who meets the Secretary of the Interior's Professional Qualifications Standards for Architectural History to prepare written and photographic | Scotia Historic District: LTS Bear River Ridge and Valley Historic Landscape and Bear River Ridge Ethnobotanical/ Cultural Landscape: SU |

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SU = Significant and Unavoidable NI = No Impact B = Beneficial S = Significant PS = Potentially Significant LTS = Less than Significant

Planning & Building Department. Implementation of the plan will reduce potential impacts by avoidance and protection of properties

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
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| | | to ensure that construction activities will not cause inadvertent damage. The protection plan shall also include mitigation strategies to avoid inadvertent damage, including but not limited to the following: | |
| | | Avoid siting or routing heavy equipment or trucks within 100 feet of historic-age buildings or structures including corrals, bams, and ancillary buildings. | |
| | | Establish compliance and monitoring procedures to avoid any inadvertent damage to historic-age buildings and structures. | |
| | | Brief project personnel on the sensitivity of historical resources in the historic landscape and compliance and monitoring procedures. | |
| | | Mitigation Measure 3.6-3c: Incorporate Plants Appropriate for the Wiyot Tribe Ethnobotanical Area into the Reclamation, Revegetation, and Weed Control Plan Required as Part of Mitigation Measure 3.5-23e. | |
| | | The project's reclamation, revegetation, and weed control plan shall incorporate plants included in the "Wiyot List of Plant Species of Environmental and Cultural Concern" in the final restoration plan. The species planted shall be subject to the same monitoring requirements and success criteria established in Mitigation Measure 3.5-23e, "Develop and Submit a Reclamation, Revegetation, and Weed Control Plan." | |
| 3.6-4: Change to the Significance of a Tribal Cultural Resource. Tribal Cultural Resources could be affected by | | Bear River Ridge: No feasible mitigation is available to reduce this significant impact. | SU |
| construction and operation of the proposed project. This impact would be significant. | | California Condor: Mitigation Measure 3.6-4: Detect Presence of and Curtail Operations for Condors. | |
| | | If condors are released in the Bald Hills in Redwood National Park or another location with a range overlapping the project's WTGs, the project applicant shall implement a detection system using the transponders attached to the condors, and shall curtail operations when condors are close to the WTGs so that the condors are not at risk of encountering operating WTGs. The detection technology and plan for curtailment shall be incorporated into the project's bird and bat conservation strategy (Mitigation Measure 3.5-18a). Implementation of the detection | |

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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
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| | | technology and the requirement to curtail WTGs shall occur within 6 months after the condors are released. | |
| 3.7 Geology and Soils | | | |
| 3.7-1: Surface Rupture Along a Known Earthquake Fault. The project would not be constructed over the surface traces of any active faults. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.7-2: Possible Risks to People and Structures Caused by Strong Seismic Ground Shaking. The project site is in an area of high seismic activity, within a region that contains known active faults; therefore, proposed structures and employees could be subject to hazards from strong seismic ground shaking. However, given project compliance with California Building Code requirements, this impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.7-3: Possible Risks to People and Structures Caused by Seismic-Related Ground Failure, Liquefaction, and Landslides. Project construction activities could occur in areas subject to liquefaction, which could pose a hazard to people and structures. However, given project compliance with existing state and local regulatory requirements, this impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.7-4: Erosion during Project Construction and Operation. Construction activities during project implementation would involve grading and earth movement in soils subject to wind and water erosion hazards, and on steep slopes. Furthermore, if not constructed properly, new haul routes in steep areas could result in substantial erosion during project operations. However, given project compliance with existing state and local regulatory requirements, this impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.7-5: Potential Geologic Hazards Related to Construction in Expansive Soils. Construction of the project's generation and haul components could occur in soils that have the potential to expand when wet, and thus, may result in damage to structures or foundations. However, given project compliance with existing state and local regulatory requirements, this impact would be less than significant. | LTS | No mitigation measures are required. | LTS |

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| Table ES-1. Summary of Project Impacts and Mitiga | tion Measures | | |
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| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
| 3.7-6: Potential Insuitability of Soils for Use with Septic Systems. Wastewater for the O&M facility would be treated by an appropriately sized septic system that would be installed. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.8 Greenhouse Gas Emissions | | | |
| 3.8-1: Generation of Greenhouse Gas Emissions. Implementing the proposed project would generate construction-related and operational GHG emissions. Long-term operation of the proposed project would reduce CO ₂ e emissions compared to existing conditions. Therefore, this impact would result in a less than cumulatively considerable contribution to the significant cumulative impact of global climate change. | Less than cumulatively considerable contribution | No mitigation measures are required. | LTS |
| 3.8-2: Consistency with Applicable Plans, Policies, and Regulations Adopted for the Purpose of Reducing the Emissions of GHGs. Implementing the proposed project would be consistent with state and County policies adopted to reduce GHGs. Therefore, this impact would result in a less than cumulatively considerable contribution to the significant cumulative impact of global climate change. | Less than cumulatively considerable contribution | No mitigation measures are required. | LTS |
| 3.9 Hazards and Hazardous Materials | | | |
| 3.9-1: Accidental Spills of Hazardous Materials from Routine Transport, Use, or Disposal of Hazardous Materials. Construction and operation activities for the proposed project may create opportunities for accidental spills of hazardous materials at and around the project site during routine transport, use, or disposal activities. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.9-2: Exposure to Hazardous Materials Existing at the Project Site or Location of the Project on a Site Included on a List of Hazardous Materials Sites Compiled Pursuant to Government Code Section 65962.5. Project activities would not result in new exposure to hazardous materials at the project site. However, DTSC reserves the right to require additional surveys and tests of the land in the event that construction work | | Mitigation Measure 3.9-1: Investigate Known Hazard along the Project Alignment. The project applicant shall retain a licensed professional to conduct soil sampling and testing along the segment of the project alignment routed near the Mount Pierce Relay Annex. A report shall be prepared to summarize the findings of lab tests and make recommendations for project design and construction to protect | LTS |

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| Table ES-1. Summary of Project Impacts and Mitigat Impacts | Significance | Mitigation Measures | Significance After Mitigation |
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| would disturb the soil. Therefore, this impact would be potentially significant. | | human health. Available measures may include remedial actions to remove the contaminated soils or routing of the alignment to avoid the contaminated area. The report shall be submitted to the County for review and recommendations shall be enforced by reviewing engineering plans during inspection and confirming implementation while in the field. | miligation |
| 3.9-3: Potential Safety Hazards Associated with Project Construction. Construction and operation of the project may include the use of explosives. Using explosives has the potential to create a significant hazard to the public and structures. This impact would be potentially significant. | | Mitigation Measure 3.9-2: Prepare and Implement a Blasting Plan to Minimize Potential for Blasting-Related Safety Incidents. Before the issuance of grading or building permits, if blasting is required, the project applicant shall contract with a blasting contractor with experience conducting blasting activities. The contractor shall be licensed to use Class A explosives, and licensed as a contractor in the State of California. The blasting contractor shall prepare a blasting plan for the proposed blasting activities to avoid endangering worker safety. The blasting plan shall be submitted for review to the Humboldt County Planning Department, in consultation with the County Environmental Health Services Department, the State Fire Marshal, and the North Coast Unified Air Pollution Control District. The blasting plan shall: describe procedures to be implemented to protect workers during blasting, such as using a signaling system to alert workers of an impending blast and using blasting mats to prevent or reduce the number of rock particles thrown into the air; provide procedures for preventing employee or public entry into any area subject to blasting; describe procedures for proper storage and transportation of explosive materials, including protecting explosives from wildfires; prohibit blasting during extreme fire danger periods; and comply with the guidelines established by the U.S. Bureau of Mines and the U.S. Department of the Interior, Office of Surface Mining Reclamation and Enforcement, for minimizing damage to structures from blasting. | LTS |

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| | Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
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| | 3.9-4: Potential Hazards Associated with Operation of Wind Turbine Generators. Implementation of the proposed project could cause reasonably foreseeable upset and accident conditions during operation of the wind turbine generators. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| i t | 3.9-5: Interference with Air Navigation. Project implementation would include installation of meteorological towers and wind turbine generators that could interfere with air navigation. However, this impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| V | 3.9-6: Release and Handling of Hazardous Materials within One-Quarter Mile of Existing Schools. Schools are located within one-quarter mile of the transportation route. However, his impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3 | 3.10 Hydrology and Water Quality | | | |
| on d d rue of C al porte of for | Related Drainage and Water Quality Effects. Project onstruction activities would involve grading and earth novement, which could substantially alter the site's existing rainage patterns, generate erosion or siltation on-site, and eposit other nonpoint-source pollutants in on-site stormwater unoff. If not properly designed and implemented, the proposed arthwork could degrade surface water or groundwater quality rechange existing drainage patterns through hydromodification. Construction-related spills of hazardous materials or fuels could lose reach receiving waters, thus degrading water quality and otentially violating a water quality standard or waste discharge equirement. The project would implement all measures ontained in regulatory plans, programs, and policies adopted or protection of the environment. However, this impact would be potentially significant. | | Mitigation Measure 3.10-1: Implement Wet-Weather BMPs Consistent with the Humboldt Redwood Company Habitat Conservation Plan. To reduce the potential for erosion and sedimentation that may cause downstream impacts on anadromous fish species, the project applicant shall prepare and implement an erosion control plan for review and approval by the Humboldt County Planning & Building Department that includes the following measures from the Humboldt Redwood Company HCP: No road or landing construction, reconstruction, and upgrading shall occur within 170 feet of Class I or II waters, or within the Equipment Exclusion Zone (50 or 100 feet, respectively) of Class III waters. The construction, reconstruction, and upgrading shall not cross Class I, II, or III waters. No portion of the constructed, reconstructed, and upgraded road/landing shall cross an inner gorge, headwall swale, | LTS |

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| Hum | Table ES-1. Summary of Project Impacts and Mitigation Measures | | | | |
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| boldt W | | Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
| ind Energy ounty | | , , , , , , , , , , , , , , , , , , , | | than is found during normal watering (dust abatement treatments or light rainfall, and the soil is not rutting or pumping fines). | |
| Humboldt Wind Energy Project Draft EIR Humboldt County | | | | During and after construction, reconstruction, and upgrading, there shall be no visible increase in turbidity in any drainage facility, construction/reconstruction site, or road surface, any of which drains directly to Class I, II, or III waters (standing water on the road that does not drain to Class I, II, or III waters is not applicable). | |
| | | | | During construction, reconstruction, and upgrading, erosion control material of sufficient quantity shall be stockpiled on- site and used to prevent an increase in turbidity in any drainage facility, construction site, or road surface, any of which drains directly to Class I, II, or III waters. | |
| ES-82 | | | | If the Humboldt Redwood Company HCP measures cannot be implemented, or if the project applicant seeks to conduct work during the wet season (October 15–June 1), the project applicant shall implement the following measures while conducting tree harvest, road or landing construction, reconstruction, and road upgrades: | |
| | | | | Exposed slopes greater than 10:1 shall be stabilized with hydraulic wood fiber mulch applied at a minimum rate of 2,500 pounds per acre. A sterile erosion control seed mix or suitable native seed mix shall be applied with the hydraulic mulch. | |
| Exec | | | | Exposed slopes greater than 3:1 shall be stabilized with erosion control matting installed in accordance with the current California Stormwater Quality Association (CASQA) BMP Handbook. Erosion control matting shall consist of 100 percent biodegradable materials. In lieu of erosion control matting, hydraulic Bonded Fiber Matrix (BFM) consisting of wood mulch with tackifier shall be applied at a minimum rate of 3,500 pounds per acre. A sterile erosion control seed mix or | |
| AECOM Executive Summary | | | | suitable native seed mix shall be applied with the hydraulic BFM. | |

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|--|---|-----------------------------------|---|----------------------------------|
| Humboldt Wind Energy Project Draft EIR | | | Application and Report Tracking System database. Should erosion and sedimentation devices fail, or should the NALs and/or pH NALs be exceeded, the County will have stop-work authority over project construction activities. The County will stop work on any portion of the project determined by the County to be the source of erosion or sedementation. Work will be suspended until the erosion and sedimentation control measures can be fortified or reestablished, or until the County determines that site conditions (e.g., weather, soil moisture content) have improved. The project applicant shall inspect erosion and sedimentaion control measures before any precipitation event (as defined by greater than 0.25 inch of rain forcasted for a 24-hour period) during the wet season, and shall report the inspection results to the County before conducting work during any precipitation event. Work shall be suspended if the County determines that erosion control measures are in disrepair, or would be ineffective in the prevention of erosion resulting from the forecasted precipitation event. At any time, work may be suspended at the discretion of the County if site conditions deteriorate to the point where erosion control measures would be ineffective. | |
| AECOM | 3.10-2: Potential to Increase the Rate or Amount of Surface Runoff in a Manner that Would Result in Flooding On- or Off-site. Project implementation would not substantially alter runoff volumes, as the percentage of impervious surface is minimal compared to the total land area in the watershed. Topography would not be substantially altered by clearing and grading for project components, and stream channel crossings would be stormproofed to improve their capacity and protect against erosion. The proposed project is not anticipated to substantially increase the peak discharge rates of stormwater runoff. The project would not increase the potential for on-site and off-site flooding, exceed the capacity of existing or planned stormwater drainage systems, or impede or redirect flood flows. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |

SU = Significant and Unavoidable NI = No Impact B = Beneficial LTS = Less than Significant S = Significant PS = Potentially Significant

B = Beneficial

LTS = Less than Significant

| Table ES-1. Summary of Project Impacts and Mitiga | tion Measures | | |
|--|-----------------------------------|---|----------------------------------|
| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
| 3.10-3: Potential Water Quality Impacts from Project Operations. Project implementation would alter the permeability of surfaces that could increase runoff from the project area, thereby increasing the potential for transport of pollutants from the project area to local surface waters. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.10-4: Potential to Deplete Groundwater Supplies or Interfere Substantially with Groundwater Recharge Such that the Project May Impede Sustainable Groundwater Management. Compaction and widening of roads, installation of turbines and foundations, and operation of the project facilities could require the use of surface or groundwater. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.11 Noise | | | |
| 3.11-1: Generation of a Substantial Temporary Increase in Ambient Noise Levels in the Vicinity of the Project in Excess of Standards Established in the Local General Plan or Noise Ordinance, or Applicable Standards of Other Agencies. Construction of project components would require temporary, short-term construction activities and haul truck trips to haul wind turbine generator parts and needed construction materials and equipment to the project area. Project-related construction activities and haul truck trips could expose existing sensitive receptors to temporary noise levels that would exceed the applicable noise standards and/or result in a substantial increase in ambient noise levels. This impact would be less than significant. | | Even though impacts were determined to be less than significant, the project applicant has voluntarily agreed to implement this mittigation measure as an enforceable condition of approval. Mitigation Measure 3.11-1: Implement Noise-Reducing Construction Practices. The project applicant shall ensure that the following measures are implemented during construction activities, where construction occurs within 500 feet of a sensitive receptor, to avoid and minimize construction noise effects on sensitive receptors: All construction equipment shall be equipped with noise-reduction devices, such as mufflers, to minimize construction noise, and all internal combustion engines will be equipped with exhaust and intake silencers, in accordance with manufacturers' specifications. The use of bells, whistles, alarms, and horns shall be restricted to safety warning purposes only. Mobile and fixed construction equipment (e.g., compressors and generators), construction staging and stockpilling areas, and construction vehicle routes shall be located at the most distant point feasible from noise-sensitive receptors. The project applicant shall ensure that all heavy trucks are | LTS |

S = Significant

PS = Potentially Significant

| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
|--|---|---|----------------------------------|
| | | properly maintained and equipped with noise-control (e.g., muffler) devices, in accordance with manufacturers' specifications, at each work site during project construction, to minimize construction traffic noise effects on sensitive receptors. | |
| 3.11-2: Temporary and Short-Term Exposure of Sensitive Receptors to, or Temporary and Short-Term Generation of, Excessive Groundborne Vibration. Project construction activities would require the use of heavy construction equipment and blasting in the project area. Heavy construction equipment and blasting activities would not expose existing sensitive receptors to temporary vibration levels that would exceed applicable standards. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.11-3: Long-Term Increases in Project-Generated Noise. Project operation would introduce new long-term noise sources in the project area. Noise generated by substations and overhead transmission lines would not be anticipated to expose existing sensitive receptors to a permanent increase in noise levels that would exceed the applicable noise standards or result in a substantial increase in ambient noise levels. However, noise generated by wind turbine generators could expose existing sensitive receptors to a substantial permanent increase in ambient noise levels. With respect to noise generated by substations and overhead transmission lines, and to long-term, low-frequency and infrasonic noise from operation of the wind turbine generators, this impact would be less than significant. With respect to long-term exterior noise generated by operation of the wind turbine generators, this impact would be potentially significant. | Overhead transmission lines: LTS Long-term low- frequency and | This mitigation measure applies only to long-term exterior noise impacts from wind turbine generator operations. Mitigation Measure 3.11-2: Implement Noise-Reducing Wind Turbine Generator Operations. The project applicant shall reduce the number of proposed WTGs north of receptor R-5 (shown in Figure 3.11-2) to avoid and minimize the effects of noise related to WTG operation. The following measure shall be implemented: Relocate, eliminate, or impose operational modifications on WTGs within 1,200 feet of receptor R-5 to reduce the permanent increase in ambient noise levels from 24-hour-perday operation of WTGs to less than 5 dBA. | LTS |

B = Beneficial

LTS = Less than Significant

S = Significant

PS = Potentially Significant

B = Beneficial

LTS = Less than Significant

| Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
|---|---------------------------------------|---|---------------------------------|
| 3.12 Transportation and Traffic | | | |
| 3.12-1: Potential to Conflict with a Program, Plan, Ordinance, or Policy. The project would not substantially alter the total number of vehicle miles traveled in Humboldt County, as it is not considered to be a trip-generating land use type. The project would not conflict with a state or local transportation policy, including State CEQA Guidelines Section 15064. This impact would be less than significant. | LTS | No mitigation measures are required. | LTS |
| 3.12-2: Creation of Hazards from Truck Traffic. A large number of trucks would transport loads over roadways that do not normally see a high volume of truck traffic. These trucks could exceed applicable standards for maximum vehicle width or exceed the width of most travel lanes. Use of the roadway network by these oversized trucks would shorten the remaining useful life of roadway surface and could create hazardous road condition. This impact would be potentially significant. | I I I I I I I I I I I I I I I I I I I | Mitigation Measure 3.12-1: Rehabilitate/Reconstruct County-Maintained Roads Damaged by Truck Traffic. The project applicant shall prepare a transportation route plan that avoids heavy truck trips (except pickup trucks without trailers) on Monument Road and Mattole Road. All truck traffic shall use Jordan Road for ingress and egress from U.S. 101 to the project siste. Before issuance of the grading permit, the project applicant shall submit a haul route map to the County Department of Public Works identifying all County-maintained roads that would be used by trucks. The applicant and County Department of Public Works shall assess each road on the ground to determine their preproject condition before project-related truck traffic uses the roads. During the course of the project, if the project applicant wishes to use additional County-maintained roads, the applicant shall submit a revised haul route map to the County Department of Public Works. The applicant and the County Department of Public Works shall assess each road on the ground to determine their preproject condition before project-related truck traffic uses the oads. At the conclusion of the project, the project applicant and the County Department of Public Works shall reassess all roads used by project-related truck traffic. The applicant shall ehabilitate/reconstruct the roads to the satisfaction of the County Department of Public Works. | LTS |

S = Significant

PS = Potentially Significant

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B = Beneficial

| Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation | | |
|--|-----------------------------------|--|---------------------------------|--|--|
| 3.12-3: Potential to Impede Emergency Access. The size and limited mobility of heavy trucks hauling project components could impede vehicular travel on U.S. 101. U.S. 101 is the | LTS | Even though the impact would be less than significant, the project applicant has voluntarily agreed to implement Mitigation Measure 3.12-2 as an enforceable condition of approval. | LTS | | |
| primary north/south access route to and from Humboldt County. The County Emergency Operations Plan lists U.S. 101 for use by emergency responders during critical events. This impact | | Mitigation Measure 3.12-2: Create a Traffic Control Plan and Notify the Public Regarding Anticipated Roadway Obstructions. | | | |
| would be less than significant. | | The transporters shall travel under loaded conditions during off-peak hours and possibly during evenings or at night, to minimize impacts on roadway traffic flows. The project applicant shall work with Caltrans to determine the lowest hourly traffic flows and develop a traffic control plan that specifies travel times and days, and includes public notification of anticipated roadway obstructions before transporter travel days. The final plan shall be submitted to Caltrans for review and approval. | | | |
| 3.13 Fire Protection Services and Wildfire Hazards | | | | | |
| 3.13-1: Increased Demand for Fire Protection Services. Implementing the proposed project could result in a need for | PS | Mitigation Measure 3.13-1a: Prepare and Implement a Fire Services Financing Plan. | LTS | | |
| additional firefighting equipment and technical rescue services that would exceed the training and existing equipment capabilities of likely responders. This impact would be potentially significant. | | Before energizing the project, the project applicant shall develop and implement a fire services financing plan in consultation with the Humboldt County Fire Chiefs' Association and Rio Dell Fire Protection District. The plan shall identify: | | | |
| | | the equipment needed to provide emergency rescue, medical, or fire protection calls for service at the project site; | | | |
| | | the cost to acquire equipment and training in the use of the equipment as measured over the 30-year life span of the project; | | | |
| | | the project applicant's fair-share contribution toward acquisition of this equipment and training; and | | | |
| | | a financing mechanism to allow for receipt and distribution of funds to implement the plan. | | | |
| | | The plan shall be monitored annually and the outcome shall be included in the fire services report completed by the fire chiefs and submitted to the County Board of Supervisors. | | | |

S = Significant

LTS = Less than Significant

PS = Potentially Significant

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| nboldt W | Table ES-1. Summary of Project Impacts and Mitiga Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation |
|---|--|-----------------------------------|---|----------------------------------|
| ind Ene | | | Mitigation Measure 3.13-1b: Prepare and Implement a Fall Protection and Rescue Plan. | |
| Humboldt Wind Energy Project Draft EIR Humboldt Counly | | | Before any construction permits are issued or construction activity begins, the project applicant shall prepare a fall protection and rescue plan that shall be submitted for approval by the Humboldt County Planning & Building Department. Once approved, the plan shall be implemented throughout the life of the project. | |
| EIR ES-89 | | | The fall protection and rescue plan shall identify site access, vehicle parking and staging areas, dimensions of confined spaces, anchor points, personal protection, and patient packaging. The project applicant shall retain a reputable training provider that will provide training in high-angle rescue. Potential training providers can include state fire training organizations and private companies. Training shall be in accordance with National Fire Protection Association (NFPA) 1006, Standard for Technical Rescuer Professional Qualifications, and NFPA 1670, Standard on Operations and Training for Technical Search and Rescue Incidents. This training shall include but not be limited to the following elements: | |
| | | | Rope system anchors | |
| | | | • • Evacuation litters | |
| | | | Rescuer and patient packaging | |
| | | | Lowering and raising systems | |
| | | | Mechanical advantage systems | |
| | | | Fall protection and/or limiter systems | |
| | | | Personnel shall practice their techniques on a regular basis to remain proficient. All training shall be documented and include attendee signatures, and files documenting all training shall be maintained in the event of an investigation after an incident. | |
| Execu | 3.13-2: Increased Risk of Wildland Fires. The project area is located on land considered to be a State Responsibility Area with a high fire hazard severity rating. Project construction and | | Mitigation Measure 3.13-2a: Prepare and Implement a Fire Safety and Management Plan to Minimize the Potential for Wildland Fires. | LTS |
| AECOM Executive Summary | operation would include activities that may create sparks or flames, representing a potential hazard that would exacerbate the risk of wildfire. This impact would be potentially | | Before any construction permits are issued or construction activity begins, the project applicant shall develop a fire protection plan. The plan is subject to review and approval by the Humboldt | |

S = Significant

LTS = Less than Significant

NI = No Impact

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PS = Potentially Significant

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B = Beneficial

| Impacts | Significance Before Mitigation | Mitigation Measures | Significance After Mitigation | | | |
|--------------|-----------------------------------|--|----------------------------------|--|--|--|
| significant. | | County Planning & Building Department in consultation with CAL FIRE and shall be implemented during construction and throughout the lifetime of project operations. The scope of the plan shall apply to all property, buildings, structures, operations, and facilities associated with the project. The plan shall include identified helicopter landing zones, special rescue equipment to be kept on-site, a training plan for first responders, and suitable areas for the installation and maintenance of wildland fire control features. The fire safety and management plan shall do all of the following: | | | | |
| | | Require that all internal combustion engines, stationary and mobile, be equipped with spark arresters. Spark arresters shall be in good working order. | | | | |
| | | Require that light trucks and cars with factory-installed (type) mufflers be used only on roads where the roadway is cleared of vegetation. Said vehicle types shall maintain their factory- installed (type) muffler in good condition. | | | | |
| | | Specify that fire rules shall be posted on the project bulletin board at the contractor's field office and in areas visible to employees. | | | | |
| | | Ensure that equipment parking areas and small stationary engine sites are cleared of all extraneous flammable materials. | | | | |
| | | Specify that personnel must be trained in the practices of the fire safety plan relevant to their duties. Construction and maintenance personnel shall be trained and equipped to extinguish small fires to prevent them from growing into more serious threats. | | | | |
| | | Prohibit smoking in wildland areas, with smoking limited to paved areas or areas cleared of all vegetation. | | | | |
| | | • Require consultation with CAL FIRE regarding the need to install water or dip tanks within the project site. | | | | |
| | | Implement measures developed to address fire prevention on Red Flag Warning days issued by the National Weather Service for the project site. All nonemergency construction and maintenance activities shall cease, or implementation measures to address fire hazards on Red Flag Warning days shall be | | | | |

S = Significant

LTS = Less than Significant

PS = Potentially Significant

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B = Beneficial

LTS = Less than Significant

| od Vir | Impacts | Significance Before Mitigation | Mitigation Measures | Significance Afte Mitigation |
|---------------------------------------|---------|-----------------------------------|--|---------------------------------|
| nd Ener | | | approved as part of construction plans and or within the operation plan, allowing certain limited activities to proceed. | |
| Table Table Final Project Draft EIR | | | Describe the preventive strategies and programs adopted to minimize the risk of electrical lines and equipment causing catastrophic wildfires. | |
| Draft EIR | | | Describe protocols for identifying the potential for fire, including providing meteorological data collected by meteorological towers to CAL FIRE to help reporting on local conditions, and actions to verify fire and CAL FIRE contact information to report a potential fire. | |
| | | | Identify protocols for disabling re-closers and deenergizing portions of the electrical distribution system, considering the associated impacts on public safety. | |
| | | | Describe plans for inspections of electrical infrastructure. | |
| | | | Prepare a list that identifies, describes, and prioritizes all wildfire risks, and drivers for those risks associated with project operation and transmission to the point of interconnection. | |
| | | | Mitigation Measure 3.13-2b: Prepare an Emergency Response Plan. | |
| Notes: LTS Source: Dat | | | Before any construction permits are issued or construction activity begins, the project applicant shall prepare an emergency response plan for operations. The plan is subject to review and the Humboldt County Planning & Building Department in consultation with CAL FIRE. The emergency response plan shall address potential accidents or emergencies involving fires or explosions at the wind energy facility, and shall provide key names and addresses of contacts in case of emergency, as well as a description of processes and general information about facility hazards. The emergency response plan shall describe how to identify an emergency, how to alert someone and whom to alert if an emergency occurs, roles during an emergency, how the emergency will be controlled, and how to terminate the incident. | |

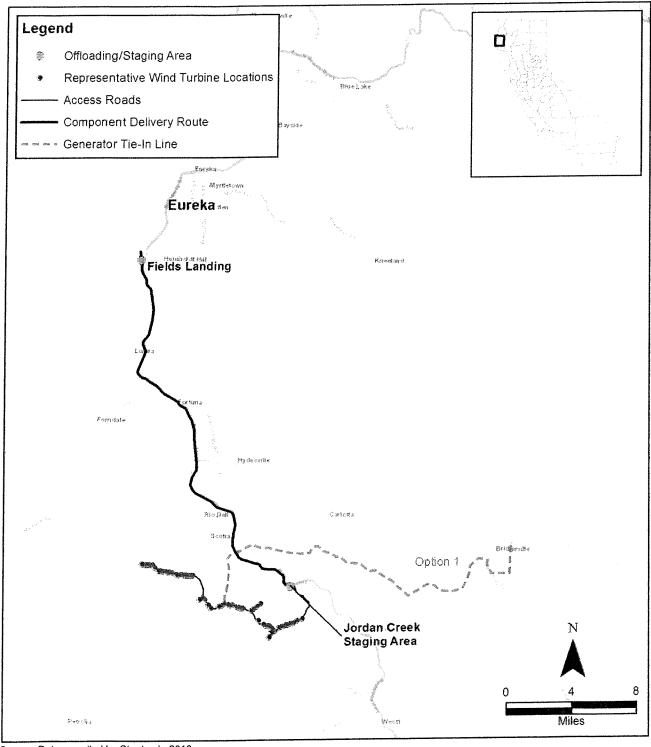
S = Significant

SU = Significant and Unavoidable

PS = Potentially Significant

| Thic | nage | intention | allv | left | blank |
|------|------|-----------|------|------|-------|
| | | | | | |

NI = No Impact B = Beneficial LTS = Less than Significant S = Significant PS = Potentially Significant SU = Significant and Unavoidable



Source: Data compiled by Stantec in 2018

Figure 2-1. Regional Location

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Figure 2-2. Project Site Boundaries and Surrounding Land

Humboldt Wind Energy Project Draft EIR Humboldt County

2.5

RIO DELL

675 Wildwood Avenue Rio Dell, CA 95562 (707) 764-3532 (707) 764-5480 (fax)

CITY OF RIO DELL STAFF REPORT CITY COUNCIL AGENDA May 14 2019

TO:

Mayor and Members of the City Council

THROUGH:

Kyle Knopp, City Manager-

FROM:

Brooke Kerrigan, Finance Director

DATE:

May 14, 2019

SUBJECT:

Budget Workshop for FY 2019/20 Proposed Budget

BACKGROUND AND DISCUSSION

On May 7, 2019 the first budget workshop was held at City Hall. This is the second meeting in a series of two workshops in presenting the proposed City of Rio Dell Operating and Capital Budget. The workshops are an opportunity for City Council members, the general public, and staff to gain insight and have an open and transparent discussion on the proposed budget for FY 2019/20.

There have been two changes since the first budget workshop held on May 7, 2019. These are:

- 1) A compensations study has been included (\$35,000)
- 2) The summary budget sheet has been corrected for miscalculating the City-wide change in reserves which has been increased to reflect the transfer of reserves (\$300,000).

The City's annual Operating and Capital Budget is generally adopted by June 30, prior to the beginning of the new fiscal year. The coming fiscal year's budget has increased staffing levels from 22 to 22.25 FTEs for the addition of a quarter-time Police Officer.

Total expenditures proposed with this year's budget are \$4,316,387. This is an increase of \$154,209 in comparison to FY 2018/19 budget. Expenditures are broken into activities for

operating (\$3,349,790), Capital and Special projects (\$475,900), and pass-thru funds and debt service (\$490,697).

The operating budget includes expenditures for salaries and benefits, and operating services and supplies. There is a proposed total of \$20,000 each for water and sewer rate studies, and for an income survey.

Revenues total \$4,092,689. The General Fund proposed revenues are \$1,159,772. This is an estimated increase of \$123,780. The increased revenues are attributable to sales tax revenues that have been showing higher than anticipated amounts in the current fiscal year, as well as with the passage of Wayfair, which will show a slight increase in use tax amounts that will now be collected for out of state online sales and distributed back to California through AB 147.

Revenues in the enterprise funds of sewer and water are proposed at \$1,213,894 and \$1,188,894, respectively. Sewer revenues are estimated to be slightly lower in FY 2019/20 based on lowered winter month's water consumption data. Water revenues are estimated to be slightly lower, as well, reflective of water consumption data that shows water sales during the winter months of FY 18/19 decreased 10% in comparison to the prior year.

In April of 2020 Senate Bill No. 998, Discontinuation of residential water service: urban and community water systems, will be enacted. This bill prohibits residential service from being discontinued under specified circumstances. At this point it is only speculation on the effects to the City's water and sewer revenues. There will be discussions on this issue as FY 2019/20 progresses.

Economic development, as a City Council priority, is being proposed with a \$300,000 transfer out of General Fund reserves. This amount can be used at Council's discretion to create economic opportunities for the City of Rio Dell. The amount budgeted out of this fund for FY 2019/20 is \$46,400.

These are a few of the highlighted items to be discussed during the workshop.

ATTACHMENTS:

FY 2019/20 Proposed Summary Budget Information

| DPTED | FY 2013/20 | EY ZU19/20 Summary of Capital Projects | | | - | | | . 5 | | | |
|---|------------------|--|------------------------------------|---------|----------|---------|-----------|---------|--------|--------|---------|
| PROJECT NAME G/L | | | | | | | | | | | |
| Solution Solution | ACCOUNT | PROJECT NAME AS ADOPTED | PROJECT NAME G/L | TOTAL | Gen Fund | Gas Tax | TDA (024) | Sewer | Water | | |
| d Subsidy) GF Subsidy Streets Maint. & Repair 35,000 35,000 4,000 d Subsidy) GF Subsidy Streets Maint. & Repair 107,000 107,000 4,000 ipment WWATP Projects 4,000 4,000 3,200 ipment WWATP Projects 12,000 3,200 ns WWATP Lifs Stations Pumps 20,000 20,000 ns WWATP Capital Machinery 13,000 20,000 aning & Insp. WA Plant Projects 12,000 20,000 aning & Insp. WA Plant Projects 6,500 20,000 wha System Projects 12,000 13,000 | GENERAL FUND PI | ROJECTS | | | /pan) | (070) | (1024) | (750) | (097) | Grants | TOTAL |
| d Subsidy) GF Subsidy Streets Maint. & Repair 50,000 50,000 50,000 d Subsidy) GF Subsidy Streets Maint. & Repair 107,000 107,000 4,000 WWATP Projects 4,000 4,000 4,000 15,000 3,200 Ipment WWATP Projects 12,000 3,200 12,000 12,000 ns WWATP Lift Stations Pumps 20,000 50,000 50,000 ns WWATP Capital Machinery 13,000 13,000 13,000 ent WA Plant Projects 12,000 13,000 13,000 ming & Insp. WA Plant Projects 6,500 13,000 what Blant Projects 10,000 13,000 13,000 | | Compensation Study | | 35,000 | 35,000 | | | | | | |
| d Subsidy) GF Subsidy Streets Maint. & Repair 85,000 85,000 4,000 WWATP Projects 4,000 107,000 15,000 WWATP Projects 15,000 3,200 Ipment WWATP Projects 12,000 WWATP Lifs I Reductions 50,000 ns WWATP Lifs Stations Pumps 20,000 ns WWATP Capital Machinery 13,000 ant WA Hach SCADA Calibration 15,000 ant WA Plant Projects 12,000 ant WA Plant Projects 12,000 WA System Projects 12,000 WA System Projects 10,000 | | Planning - GHD (Streets) | | 50.000 | 20,00 | | | | | | 35,000 |
| d Subsidy) GF Subsidy Streets Maint. & Repair 107,000 107,000 4,000 WWTP Projects 4,000 3,200 3,200 ipment WWTP Projects 12,000 3,200 ns WWTP Lift Stations Pumps 20,000 50,000 ns WWTP Capital Machinery 13,000 13,000 ent WA Plant Projects 12,000 13,000 ent WA Plant Projects 6,500 13,000 ent WA Plant Projects 6,500 13,000 ent WA System Projects 6,500 13,000 was System Projects 10,000 10,000 10,000 | | RIMS Law Enf. Software | | 85,000 | 85,000 | | | | | | 50,000 |
| WWTP Projects 4,000 Ipment WWTP Projects 15,000 Ipment WWTP Projects 12,000 Ipment WWTP Right Stations Pumps 20,000 Ins WWTP Lift Stations Pumps 20,000 Ins WWTP Capital Machinery 13,000 Int WA Plant Projects 12,000 Int WA Plant Projects 6,500 Int WA System Projects 6,500 Int WA System Projects 10,000 | 6500 14 000 0000 | Slurry Seal (General Fund Subsidy) | GF Subsidy Streets Maint. & Repair | 107,000 | 107 000 | | | | | | 85,000 |
| ning WWMTP Projects 4,000 4,000 Aeter 3,200 15,000 15,000 isc. Equipment WWTP Projects 12,000 12,000 isc. Equipment WWMTP Is Reductions 50,000 50,000 t Stations WWMTP Lift Stations Pumps 20,000 50,000 isc WWTP Capital Machinery 13,000 13,000 ints WA Hach SCADA Calibration 15,000 13,000 ank Cleaning & Insp. WA Plant Projects 6,500 6500 Aeter WA System Projects 3,200 10,000 Aeter WA System Projects 10,000 10,000 | WASTEWATER PRO | DIECTS AND EQUIPMENT | | | 0001101 | | | | | | 107,000 |
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| Acter 3,200 15,000 Isc. Equipment WWATP Projects 12,000 12,000 Isc. Equipment WWATP I & I Reductions 50,000 12,000 It Stations WWATP Lift Stations Pumps 20,000 50,000 Sort WWATP Capital Machinery 13,000 13,000 Ints WA Hach SCADA Calibration 15,000 13,000 Ints WA Plant Projects 12,000 15,000 Ints WA Plant Projects 6,500 15,000 Adeter 3,200 10,000 15,000 | | SCADA Programming | WWTP Projects | 15.000 | | | | 4,000 | | | 4,000 |
| isc. Equipment WWATP Projects 12,000 5,200 Isc. Equipment WWATP I & I Reductions 50,000 12,000 It Stations WWATP Lift Stations Pumps 20,000 20,000 Sort WWATP Capital Machinery 13,000 13,000 Ints WA Hach SCADA Calibration 15,000 13,000 Ints WA Plant Projects 6,500 12,000 Inter WA System Projects 6,500 6,500 Inter WA System Projects 10,000 10,000 | | PG&E Separate Meter | | 3.200 | | | | 13,000 | | | 15,000 |
| t Stations | 6000 14 052 0000 | Push Cameras Misc. Equipment | WWTP Projects | 12.000 | | | | 3,200 | | | 3,200 |
| t Stations WWTP Lift Stations Pumps 20,000 20,000 or WWTP Capital Machinery 13,000 13,000 ints WA Hach SCADA Calibration 15,000 15,000 and Cleaning & Insp. WA Plant Projects 6,500 13,000 Meter 3,200 10,000 10,000 | 6500 14 052 0000 | I&I Reductions | WWTP I & I Reductions | 50,000 | | | | 12,000 | | | 12,000 |
| ints WA Hach SCADA Calibration 15,000 13,000 and Cleaning & Insp. WA Plant Projects 12,000 12,000 Acter 3,200 10,000 10,000 | 6500 14 052 0000 | Painter Street Lift Stations | WWTP Lift Stations Pumps | 20,000 | | | | 000,00 | | | 50,000 |
| Ints | 6200 14 052 0000 | Chlorine Generator | WWTP Capital Machinery | 13,000 | | | | 12,000 | | | 20,000 |
| ement WA Hach SCADA Calibration 15,000 Cleaning & Insp. WA Plant Projects 12,000 Er 3,200 3,200 Er WA System Projects 10,000 | WATER PROJECTS | AND EQUIPMENT | | | | | | 13,000 | | | 13,000 |
| NA Plant Projects 12,000 ng & Insp. WA Plant Projects 6,500 WA System Projects 3,200 WA System Projects 10,000 | 6200 14 062 0000 | SCADA Components | WA Hach SCADA Calibration | 15,000 | | | | | 15,000 | | 97.000 |
| ng & Insp. WA Plant Projects 6,500 WA System Projects 3,200 | 6500 14 062 0000 | Water Meter Replacement | WA Plant Projects | 12,000 | | | | | 12,000 | | 15,000 |
| WA System Projects 3,200 | 5135 14 062 0000 | Water Storage Tank Cleaning & Insp. | WA Plant Projects | 6.500 | | | | | 17,000 | | 12,000 |
| WA System Projects 10,000 | | PG&E Separate Meter | | 3,200 | | | | | 0000 | | 005,6 |
| | | Backwash Flow Meter | WA System Projects | 10,000 | | | | | 3,200 | | 3,200 |
| WA Filter Projects 35,000 | | Filter Level Controllers | WA Filter Projects | 35,000 | | | | | 35,000 | | 27,000 |
| | | TOTAL ALL PROJECTS | | 475,900 | 277,000 | í | | 117.200 | 81 700 | | 475 000 |

FY 2019/20 PROPOSED OPERATING AND CAPITAL BUDGET

RESOLUTION [No.] Adopted [date] City of Rio Dell

Budget Summary by Department and by Fund

| | | | | | | | | | | - | | | ii drid by i di | | | | | | | | | | | |
|--------|--------------------------|-----------|------------------|---|--|--|---|---------------|--|---|---|---|--|--|---|---|--|---|--|-----------|---|-----------|-----------|---|
| | DRAFT | | RAFT DRA | FT DRA | FT DRA | AFT DR | | | DRAFT | DRAFT | DRAFT | DRAFT | DRAFT | DRAFT | DRAFT | DRAFT | DRAFT | DRAFT | DRAFT | DRAFT | DRAFT | DRAFT | | |
| | | RESERVES | REVENUES | | | | | ITY OPERATIO | | | | | 1 1 | PUBLIC WOR | ks operations | | | OTHER | | EXPEND | ITURES | | RESERVES | |
| FUND N | | Fund Bal. | Projected Totals | | Building Dept. | Depl. | Depl. | Finance Dept. | Dept. | Dept. | Police Dept. | Solid Waste | Grounds | Sewer Dept | Streets Dept | Water Dept | Projects | Debt Svc (| Contingency | Totals | Transfers | Reserves | Balance | Reserve |
| 005 | Admin Fund | 11,918 | 1,200 | 1,200 | ······ | | | | | ~~~~~ | | | | | | | | *************************************** | Markana, paga paga paga paga paga paga paga pa | 1,200 | | • | 11,918 | 360 |
| 800 | Building Fund | 10,000 | 45,735 | | 76,350 | | | | | | | | | ***************************** | | | | | *************************************** | 76,350 | | (30,615) | (20,615) | 22,905 |
| 037 | CDBG Fund | | | | | A-1148-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | *************************************** | | 2,442 | | *************************************** | | | WARRANT AND A STATE OF THE STAT | | | | | | 2,442 | ······································ | (2,442) | (2,442) | 733 |
| 039 | CDBG RRLF Fund | | - | | *************************************** | | | | | | | | | | | | | | | - | | • | • | |
| 000 | General Fund | 1,851,000 | 1,159,772 | | | 15,538 | 101,565 | 83,524 | 46,402 | 73,410 | 671,868 | | 33,67 | 5 | | | 277,000 | | | 1,302,982 | 300,000 | (443,210) | 1,407,790 | 390,895 |
| | Economic Development | | | | , | | | | 46,400 | | | | | | | | | | | 46,400 | (300,000) | 253,600 | 253,600 | 13,920 |
| 044 | Measure Z Fund | • | 28,694 | | | | | | | | 28,694 | | | | | | | | | 28,694 | | 0 | 0 | 8,608 |
| 074 | Recycling Fund | 19,360 | | | | | | | | | | | | | | | | | | - | | - | 19,360 | • |
| 015 | Parks Fund | 17,644 | 1,500 | | | | | | | | | | | Con Material Construction and John Cons | | | namental in the second nation in the second name | | | - | | 1,500 | 19,144 | • |
| 046 | Realignment Grant Fund | 3,400 | - | | | | | | | | | | | | 4.00 | | | | | • | | - | 3,400 | - |
| 040 | SLESF Fund | = | 143,000 | | | | | | | | 155,877 | | | | | | | | *************************************** | 155,877 | | (12,877) | (12,877) | 46,763 |
| 043 | Vehicle Abatement Fund | 2,605 | | *************************************** | | | | | | | *************************************** | | | | | | ramanas saucenna a irritar el como de la distribuida | ACCES - 12 - 12 ACCES ACCES ACCES ACCES ACCES ACCES | *************************************** | # | ergenensky med ministration om en de derekter det mennen Schlichere | * | 2,605 | - |
| 052 | Sewer Capital Fund | 241,809 | 102,076 | | | | | | West of the second seco | | | | | *************************************** | *************************************** | | 117,200 | | trekkosčinovice erani unatome etmielimokom t | 117,200 | | (15,124) | 226,685 | 35,160 |
| 054 | Sewer Debt Svc Fund | 210,000 | 302,899 | | | · · · · · · · · · · · · · · · · · · · | | | eteratists emercine | | | | | | | | | 302,899 | | 302,899 | | • | 210,000 | 90,870 |
| 054 | Sewer Restricted Reserve | 302,899 | * | | | | | | | nder die der verbiede der der verben der verb | | | | | *************************************** | *************************************** | | | | - | ······································ | | 302,899 | - |
| 050 | Sewer Operations Fund | 547,412 | 808,919 | | | 8,261 | 87,056 | 162,871 | NATION THE I AND | | | | 33,675 | 638,943 | *************************************** | ************************************** | | | | 930,807 | ······································ | (121,888) | 425,524 | 279,242 |
| 027 | Solid Waste Fund | 40,241 | 9,000 | | ************************************** | | | | | | | 14,581 | | | | | *************************************** | | | 14,581 | · · · · · · · · · · · · · · · · · · · | (5,581) | 34,660 | 4,374 |
| 093 | Spay & Neuter Fund | | | | *************************************** | | | , | | MICH. 8.40. (10. 100.) (10. 10. 10. 10. 10. 10. 10. 10. 10. 10. | | | | | | | | *************************************** | | • | ······································ | - | • | • |
| 020 | Gas Tax Fund (HUTA) | 164,135 | 94,614 | | | 826 | 8,706 | 4,176 | | | | | 7,858 | } | 25,098 | | | *************************************** | | 46,663 | | 47,951 | 212,086 | 13,999 |
| 024 | TDA Fund | 45,169 | 126,140 | | | 551 | 5,804 | 4,176 | | | | | 3,368 | 3 | 69,235 | *************************************** | | 51,798 | | 134,931 | | (8,791) | 36,378 | 40,479 |
| 026 | RSTP Fund | 2,462 | 24,500 | | | | | | | | | | | | 24,232 | | | | | 24,232 | enteriore anno en en en enterior a en enterior de enterior de enterior de enterior de enterior de enterior de | 268 | 2,730 | 7,270 |
| 026 | SB1 (RMRA) Fund | - | 55,746 | *************************************** | | | | | | a philip things the growth a market M. J. Mayor Communication and the communication and | | ······································ | | ····· | 54,522 | | ····· | ************************************** | | 54,522 | ······································ | 1,224 | 1,224 | 16,357 |
| 047 | STIP ATP Grant | - | | *************************************** | | | *************************************** | | | | | ************************************** | | | | | | | | * | *************************************** | - | - | *************************************** |
| 062 | Water Capital Fund | 724,664 | 164,319 | | ****************** | | | | | ************************************** | | | | | | | 81,700 | | | 81,700 | | 82,619 | 807,283 | 24,510 |
| 063 | Water Metro Wells Fund | 29,865 | 17,006 | | | | trialitika elembilian errekene kerlemanika ida remaka ese | | | | | *************************************** | | *************************************** | *************************************** | 11,300 | | | | 11,300 | *************************************** | 5,706 | 35,571 | 3,390 |
| 064 | Water Dinsmore Zone | 47,297 | 22,509 | | | THE OWNER OF THE PARTY OF THE P | | | | | | | ************************************** | | **** | 2,600 | | | | 2,600 | | 19,909 | 67,206 | 780 |
| 061 | Water Restricted Reserve | 100,422 | 34,562 | | | | | | | | ······································ | | | *************************************** | ************************************** | | | | | - | | 34,562 | 134,984 | - |
| 061 | Water Debt Svc Fund | 54,915 | 172,821 | | V-1-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | | | | | ······································ | | | | | | | | 136,000 | | 136,000 | | 36,821 | 91,736 | 40,800 |
| 062 | Water CIP Grant | | | | | | | | | | | | | | | | | | | - | | - | • | |
| 060 | Water Operations Fund | 686,839 | 777,676 | | *************************************** | 8,261 | 87,056 | 162,871 | | ······································ | | | 33,675 | | · | 553,144 | | | *************************************** | 845,007 | · · · · · · · · · · · · · · · · · · · | (67,331) | 619,508 | 253,502 |
| | TOTAL FY 2019/20 | 5,114,056 | 4,092,689 | 1,200 | 76,350 | 33,438 | 290,186 | 417,618 | 95,244 | 73,410 | 856,438 | 14,581 | 112,251 | | 173,087 | 567,044 | 475,900 | 490,697 | - | 4,316,387 | - | (223,698) | | 1,294,916 |
| | | | | | | · | | | | | | i wani ili kamanyi wanani | | | | | | <u> </u> | | | | | | |
| | | | | | | | | 1,858,465 | | | | | 1.1 | | 1,491,325 | 1 1 | | 966,597 | 1 1 | | 4,316,387 | | | |
| | | | | L | | | | | | | | | ł | ···· | .,.,,,,,,,, | | | . 50,0 | | | ., , | | | |

3,349,790

CITY-WIDE OPERATIONS

UPDATED 5/10/19