

From: [CEASE2020](#)
To: [EFSEC mi Comments](#)
Subject: C.E.A.S.E. CITIZENS EDUCATE ABOUT SOLAR ENERGYRGY
Date: Friday, April 21, 2023 11:30:19 AM
Attachments: [Chapter 19.48 - IC ILLUMINATION CONTROL DISTRICT](#) [Code of Ordinances](#) [Klickitat County, WA](#) [Municode Library GLARE SOLAR.html](#)

External Email

EFSEC, this is my testimony on the Cypress Creek Renewable Carriger Glint/Glare report. Greg Wagner
[Attachment G Carriger Glint and Glare Memo.pdf](#)
[\(wa.gov\)](#)

This project has not been built and this glint/glare study is inaccurate and merely a prediction. Cypress Creek Renewables built the solar project in Pendelton, Oregon along interstate 84. The glare from their site caused many vehicle accidents on the interstate. So much glare was emitted from their solar site that Oregon Department of Transportation installed glare warning signs. The studies Cypress Creek Renewable submitted prior to construction stated there would be no glare. Which was not accurate. These results of no glint or glare are the same results they are predicting for the Carriger solar project. The Goldendale Airport runway is being lengthened. These solar panels will emit glint/glare which will create a hazard for aircraft landing or departing the airport. Glint/glare will negatively impact all residents in the homes which project is near. The resident's health will be negatively impacted and the enjoyment of the property, when they subjected to the intense glint and glare emitted from this project. This project should not be certified. This is our public

testimonies and want them to be place on the record. Please send a confirmation that this email was received.. Greg and Deb Wagner 303 Fish Hatchery Road Goldendale, Washington 98620

[Reflecting on Solar Panel Glare and How to Mitigate It \(burnsmcd.com\)](#)

[Relieving a Glaring Problem | American Solar Energy Society \(ases.org\)](#)

[Why Solar Plants Should Keep an Eye on Glint and Glare \(energycapitalpower.com\)](#)

**[Do solar panels create a glare? - Sky Stream Energy](#)
[Can Glare From Solar Panels Affect Aircrafts? | Solartechadvisor](#)**

From: [CEASE2020](#)
To: [CEASE2020](#)
Subject: C.E.A.S.E. TESTIMONY FOR WILDLIFE AND HABITAT REPORT CARRIGER SOLAR PROJECT
Date: Friday, April 21, 2023 11:33:34 AM
Attachments: [2 Tetra Tech employees sentenced to prison for falsifying soil records in SF Shipyard cleanup.html](#)
[Hunters Point Lawsuit \(2022\) _SF Shipyards Lawsuit _Tetra Tech Lawsuits.html](#)

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**EFSEC, this our testimony for the wildlife and habitat report. [Attachment C Carriger Wildlife and Habitat Report REDACTED.pdf \(wa.gov\)](#). This report should not be accepted as it was performed by Tetra Tech. Tetra Tech is under investigation by the US Department of Justice for fraudulent reports at the Hunter Point navy base in San Fransico, California and two employees have received jail sentences. In fact, none of the Tetra Tech reports submitted in regard to this project should be accepted. Any of those reports should be re-done by a company selected by EFSEC to ensure accuracy. When Cypress Creek Renewables uses bulldozers to remove all the existing vegetation and topsoil it will destroy the habitat for all species of birds, waterfowl, ground dwelling animals, insects, pollinators, mice, badgers, deer, turkey and invertebrates. This will remove the hunting ground for raptors, ferruginous hawk, red tail hawk, owls and kestrels. Coyotes live, hunt and breed on this same land and their habitat will be destroyed. When the coyotes are removed from the eco-system the rodent population will increase. Altering the land to accommodate this project will have far ranging irreversible negative impacts on all animals. Removal of the topsoil will eliminate worms, grubs and bees that live in the ground. Removal of the plants eliminates flowers that the pollinators depend on. When solar panels are parallel to the ground a Lake Effect is created. Waterfowl believe the solar panels are a lake attempt to land colliding with the solar panels and are killed. Waterfowl are in the area fall to spring every year. Birds are electrocuted killed by solar panel wiring. How many birds will CCR be allowed to kill? How many displaced animals will be allowed? This project should not be certified due to the irreversible negative impacts it will have on the wildlife and their habitat. Please place our testimonies on the record and send a confirmation you received this email. Greg and Deb Wagner 303 Fish Hatchery Road Goldendale Washington 98620
[Solar Energy Development Environmental Considerations \(anl.gov\)](#)**

[Wildlife Conservation and Solar Energy Development in the Desert Southwest, United States | BioScience | Oxford Academic \(oup.com\)](#)
[Solar farms and biodiversity: How clean energy affects wildlife conservation - Vox](#)
[Impact of Solar Energy on Wildlife Is an Emerging Environmental Issue | Black & Veatch \(bv.com\)](#)
[Wilderness Wipeout: Giant Wind & Solar Farms Destroying Pristine Wildlife Habitats – STOP THESE THINGS](#)
[Utility-scale solar impacts to volant wildlife - Smallwood - 2022 - The Journal of Wildlife Management - Wiley Online Library](#)
[How a bird started a fire at a California solar farm - Los Angeles Times \(latimes.com\)](#)
[CSU Scientists Studying Bird Deaths at Solar Facilities \(colostate.edu\)](#)

From: [Bob Morrow](#)
To: [EFSEC mi Comments](#)
Subject: EFSEC Docket No. EF-230001 Carriger Solar Project
Date: Friday, April 21, 2023 4:10:25 PM

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We overlook one of the parcels in the proposed Project.
It is about .7 of a mile west of our house.

We support the project for multiple reasons, namely:
The benefit of renewable energy it will bring to our State and Nation.

The economic benefit it will bring to our local taxing districts.

The benefits it will bring to the landowners for their properties.

The benefits it brings to the problems of global warming.

This project and others like it have many benefits to our Society.

And the land being utilized has marginal agricultural value at best.

This is a much higher and better use than at present.

Respectfully,

Robert E. Morrow
275 Pine Forest Road
Goldendale, Wa. 98620
509-773-6141

From: [CEASE2020](#)
To: [CEASE2020](#)
Subject: Fwd: C.E.A.S.E. CITIZENS EDUCATED ABOUT SOLAR ENERGY EFSEC ASC TESTIMONY
Date: Friday, April 21, 2023 11:40:54 AM
Attachments: [Certification Process - EFSEC - The State of Washington Energy Facility Site Evaluation Council.html](#)

External Email

This is our testimonies to the ASC submitted by Cypress Creek Renewables proposed Carriger solar project in Klickitat County. [Carriger Solar Application for Site Certificate 2023-02-10_FINAL.pdf \(wa.gov\)](#)

February 10,2023 Cypress Creek Renewables Carriger cover letter.

Page 1. Request for expedited process for review should not be approved as there will be significant environmental impact to farmland and in violation of RCW 89.10.005 [Chapter 89.10 RCW: FARMLAND PRESERVATION \(wa.gov\)](#) and mitigation is not possible. The project is not compatible to the surrounding land and is not consistent or in compliance with Klickitat County Master Land Use Plan. The accuracy of the environmental impact studies are questionable considering Tetra Tech is being investigated by the U.S. Department of Justice. The largest environmental fraud case in history. [United States Joins Lawsuits Against Tetra Tech EC Inc. Alleging False Claims in Connection With Shipyard Cleanup | OPA | Department of Justice](#) and [Feds give Navajo uranium contract to](#)

[firm with sketchy past \(Feds give Navajo uranium contract to firm with troubled past\) – High Country News – Know the West \(hcn.org\)](#) None of the Tetra Tech studies/reports should be accepted. EFSEC should hire an independent environmental firm to re-do the studies/reports. It was stated that the site was selected for available sunshine which is false. Our latitude receives 189 days of sunshine for only 5.4 hours a day. That is not enough sunshine to support Carriger solar project. Applicant requested all redacted material remain confidential and not be distributed publicly. This request violates RCW 42.30. [Chapter 42.30 RCW: OPEN PUBLIC MEETINGS ACT \(wa.gov\)](#).

Basic information

Part 1. page 2 Tetra tech prepared the ASC. Tetra Tech under investigation for fraudulent environmental studies. Tetra Tech studies and reports should not be accepted.

page 7. Carriger solar plans 2 acres of lithium-ion batteries storing 63 megawatts west of the BPA substation which is within close proximity of multiple residences. Lithium-ion batteries storage sites (BESS). Have will continue to spontaneously ignite due to thermal runaway, explode and release deadly hydrogen-fluoride gases which will kill nearby citizens. [New city laws aim to combat lithium-ion battery fires \(ny1.com\)](#) and [Batteries exploding in burning abandoned Illinois building | AP News](#) and [FOR IMMEDIATE RELEASE \(illinois.gov\)](#) and [APS battery explosion in Arizona:](#)

[New report tells what went wrong \(azcentral.com\)](#) Battery fire will cause a wildfire endangering citizens and property. Support pilings driven into the ground will allow contaminate the potable water aquifer violating the Washington Critical Area Ordinance. [Washington Department of Commerce Growth Management Critical Areas.](#)

Page 8.

Installation of overhead powerlines violates Klickitat Comprehensive Plan page 57 "utilities will be underground". 00 County Comp Plan 091316 (2).pdf. Community engagement 8/3/21 Goldendale Cypress Creek Renewables representatives had displays showing smaller acreage sites than the proposed Carriger project, they told citizens the site was 1225 acres not the 2108 acres, one representative had on a tag stating he was an engineer but when he was asked about his engineering degree he said, " I am not an engineer". Majority of their information was intentionally misleading and inaccurate. All intended to try and convince the citizens they were caring and honest solar corporation only here to do good. That was not the truth. When C.E.A.S.E. members quieted the room and ask how many do not want solar here the overwhelming majority raised their hand. At that point Romeo Cypress Creek representative threatened to have us arrested. This proves they do care about citizen's comments.

Page 9. Klickitat County rich history is agricultural activities. This project will violate RCW 89.10.005. This solar project will cover thousands of acres of

productive farmland.

Page 10. The endangered Ferruginous hawk is in our area every fall and winter. This project will destroy its' habitat.

Page 11. The visual setting will be negativity impacted. Project components are not consistent with the lines and shapes with the surroundings. These solar panels and fencing will block the view shed from residents which are next to this project. Klickitat County 19.46 provides for view protection and this project will violate this code. [Chapter 19.46 - VP VIEW](#)

[PROTECTION DISTRICT | Code of Ordinances | Klickitat County, WA | Municode Library](#) Glare will impact the surrounding citizens, properties, airport and observatory. Klickitat county code [Chapter 19.48 - IC ILLUMINATION](#)

[CONTROL DISTRICT | Code of Ordinances | Klickitat County, WA | Municode Library](#). This code addresses glare as an issue and should be followed.

Cypress Creek solar project in Pendelton, Oregon emitted so much glare that serious accidents occurred on I-84 that required ODOT to install warning signs. [PENDLETON In-development solar farm gets complaints over glare | Local News | eastoregonian.com](#)

. Stormwater drainage will be a problem. Impervious solar panels will divert the rainwater and funnel it into channels causing excessive runoff, erosion, contamination of wetlands and streams and flooding. [Solar farms run into problems with water](#)

[pollution | Popular Science \(popsci.com\)](#) . The contaminates

Cadmium telluride, lead and pfas will contaminate the potable water aquifer which supplies water to all the homes and violates the Critical Area Ordinance. [RCW 36.70A.030: Definitions. \(wa.gov\)](#) #6.

Page 12. Cultural study. I watched the cultural study. 5 employees spaced 50 feet apart walked through Ken Hill's property north of Fish Hatchery Rd. Being 50 feet apart they missed cultural artifacts. This study was poorly done

and should be re-done especially if Tetra Tech did the study.

Part 2. Pages 22/23 section 3.1. Solar panels contain small quantities of toxic materials cadmium telluride. Small quantities per panel times millions of panels adds up to large quantities of toxic materials and a major health issue. Panels also contain lead, PFAS and other toxins. There is no approved method of recycling or disposal. Until a method is approved this project should not be approved. RCW 70A.510.010 states hazardous materials exist in solar panels and should not be allowed in the

environment. [Chapter 70A.510 RCW: PHOTOVOLTAIC MODULE STEWARDSHIP AND](#)

[TAKEBACK PROGRAM](#). Support pilings driven into the ground will allow toxins from the solar panels will contaminate our potable aquifer. [California's Subsidized Solar Panels Are Now Leaking Toxins Into The Groundwater – winepressnews.com](#) and [California landfills are filling up with toxic solar panels - Los Angeles Times \(latimes.com\)](#)

Permitting of this project will cause irreversible harm and should not be built. Cypress Creek does not have an approved recycling or disposal plan. EFSEC should take the toxin issue seriously as this endangers your future. 3.1.3 Klickitat county

comprehensive plan states utilities will be placed underground. To allow overhead powerline violates this.

Page 57 comp plan. [00 County Comp Plan 091316 \(2\).pdf](#)

Page 24 3.2 BESS battery storage. Lithium-ion batteries spontaneously combust due to thermal runaway and explode and release deadly hydrogen fluoride fumes which will kill citizens near the battery storage building. There are citizens within a 1/4 mile of this BESS. [EPA resumes cleanup of hazardous substances at the Morris Lithium Battery Fire site in Morris, Illinois | US EPA](#) and [Batteries exploding in burning abandoned Illinois building | AP News](#).

These BESS are not in a containment pit. When the battery fire occurs and toxins from the batteries are released they will contaminate the ground and

groundwater. Local firefighters are not properly trained or equipped and their lives are in danger. Firefighters have been injured from these fires/explosions.

[Report: Four Firefighters Injured In Lithium-Ion Battery Energy Storage System Explosion - Arizona | UL's FSRI – Fire Safety Research](#)

[Institute and Scooter lithium battery investigated as cause of 5-alarm Bronx fire, FDNY says - CNN.](#)

Page 25 3.3 additional substation to close to citizens homes. Needs to be relocated to east side of BPA Knight Road sub-station. Page 26 3.5.3 Diesel fired generator. Diesel is a fossil fuel and emits CO₂ which cause global warming. This violates Governor Inslee's CETA and should not be allowed. Cypress Creek should use a clean renewable backup electric source. Page 27 3.5.6 Water consumption is underestimate and will exceed Washington Ecology well permit limit. How will this well output be monitored? Who will monitor the well output? What penalties exist when the limit is exceeded? Page 28 3.5.8 Remote monitoring of this site will ensure that no new full time high paying jobs will happens. Remote monitoring will call in a contracted crew to make the repairs from outside Klickitat County. Page 29 5.0 There will not be 3 full time jobs due to remote monitoring. Page 31 6.0 No off-site recycler exist, and toxic panels will be dumped in landfill and when they break toxins will be released into the environment violating RCW 70a.510.010 a state law. Page 108 no negative impact on housing market. Not true local property values will decline, ability to sell your home will diminished and if you sell it will be for less. [maclaystudy_property values.pdf](#) Page 109 Glare is emitted by solar panels and will impact citizens airport observatory. Page 111 Recreational activities do occur at the WDFW Goldendale trout hatchery on Fish Hatchery Road. Spring Creek is stocked wit trout and open to public fishing. In November Pheasants are

released for hunting. This statement by Cypress Creek is not true. Page 113 Archaeological study was incomplete and improperly done. 5 people walked through the field 50 feet apart. This study should be re-done.

Page 119 When local fire fighter responds to a fire/explosion at this solar site this will leave local residents in danger should they get help. It also endangers the lives of the first responders should a BESS exploded. Local first responders lack training and equipment to fight these solar site fires. This remote location does not a water source for the fire fighters to use and the fire can get out of control causing a wildfire and harming the land and surrounding homes and resident lives. Page 135 air quality will be impacted when the BESS spontaneously combust, explodes and releases hydrogen fluoride gases. possibly killing residents. Page 166 Water quality. Contaminates from the solar panels and lithium-ion batteries will contaminate the aquifer that supplies potable water to all existing homes. Page 203 this solar site will conflict with agricultural use as this project will take 2108 acres of productive farmland out of production. No fulltime workers will be on this site. Page 143 4.2.c This project will not offset fossil fuel used. What data has Cypress Creek submitted as proof? If no data has been submitted this project should not be permitted until the study is submitted. Odors will come from this site when diesel generators are operating, during construction from all the diesel-powered equipment, when crews make repairs. This is a false statement with no data supporting the statement. Page 144 4.2.d What agency will ensure all applicable air emission permits are obtained? What agency will monitor air quality? Page 160 4.5.c.1 Panels

are not impervious and do not absorb water. 4.5.c.2 Solar panels will create new storm water, drainage patterns that will increase runoff, erosion and flooding. Page 185 Utilities are to placed underground per Klickitat County Comprehensive plan Page 57. Page 186 Solar panels cause LAKE EFFECT which waterfowl view as a lake and collide with the panels and are killed. [Solar farms and biodiversity: How clean energy affects wildlife conservation - Vox](#) and [Solar Farms Threaten Birds - Scientific American](#). Page 188 4.9.f Many of the references supplied are out of date and invalid. This is our testimony opposing the certifying of Cypress Creek Carriger solar project in Goldendale Washington. Please place our testimonies on the record and send a confirmation that this email was received. Greg Wagner Deb Wagner C.E.A.S.E.
CITIZENS EDUCATED ABOUT SOLAR ENERGY
CEASE2020.ORG