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JUN 20 2013

Energy Facility Site Evaluation Council]
621 Woodland Square Loop S.E.
Lacey, WA 98503

ENERGY FACILITY SITE
EVALUATION COUNCIL

RE: COMMENT: Carriger Solar Project, ZONING-Klickitat County
From: Adrian Bradford, Klickitat County resident, business and property owner

Due to the known problems and the level of potential dangers of this project and level of public objections, I urge this project NOT be approved by EFSEC as submitted.

1. As located it is too close to the dense population of the City of Goldendale
2. Since it will require major batteries for energy storage and the only available batteries are Lithium-ion based which ARE KNOWN to be subject to explosion, it would endanger many people. Safer hydrogen or sodium-ion batteries for commercial level projects may or may not be feasible in the future but they are definitely NOT available currently so cannot be considered alternatives for this project now.

In OVERALL evaluation, commercial/industrial solar farms are very questionable. Since the world-wide pollution possibly also affecting American climates are mostly generated in China and India, not America; a commercial solar installation such as this in WA is very disputable. It upon completion will have close to zero effect on our already clean energy State and County. Our seasonal local air problems are caused by Regional wild fires not local energy generation plants!!! As for generating additional electricity, there are several much more efficient and inexpensive existing methods for our own KPUD to expand, including natural gas.

The only solar installations that are currently stand-alone feasible economically are very small on-site solar panels for operating items such as yard lights, small gates, etc. Those are TOTALLY different than a giant solar farm designed for energy generation that must then be battery stored and later transferred by giant towers carrying high capacity cables to existing public utility central transformers and delivery centers. I have evaluated commercial solar installations directly at our businesses in both WA and CA for GENERATING power and have not found it overall economically feasible. Wind power for direct mechanical benefit, e.g. pumps, can make sense but not solar. We have done our part for years in our major local business to reduce carbon emissions in our equipment and will continue as improvements become available. My namesake and relative was one of the initial engineers from du Pont at Hanford in creating a fuel for nuclear POWER that later became world-wide nuclear powered electricity generators. So my family has directly devoted finances and skills in clean energy for three quarters a century. The risks taken for nuclear power development experiments were not all known at that time but the ones for this commercial solar project are. I am very much in favor of the REMOTE pump storage energy project proposed in Klickitat County where the "storage" is surface water. While it may not lower local electric rates it could attract hi tech economic growth for this region and for our own KPUD by stabilizing available power in the grid because it does not depend upon unpredictables like amount of wind or sunshine. But dangerous giant

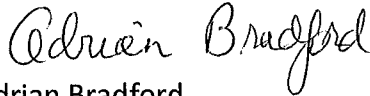
batteries near dense population would be both reckless and self-serving for just a few investors and placement of massive close to town solar panels also ruins the permanent environment for residents and ignores majority public objection. Not acceptable.

The only reasons the private out of state developers have chosen to come all the way across America to attempt to develop a giant solar farm in Klickitat County are two:

This location would be adjacent to an existing public utility transformer/distribution/generation center thereby relieving the developer from their own cost of building the transmission towers and lines to carry their own product. This existing utility is however in the densely populated urban area of the City of Goldendale, producing very clean energy already.

The State of WA has one of the few unique ordinances that might allow a developer to by-pass local zoning and land planning and specific public objection by using this unique ordinance. By-passing local zoning is only a benefit to the developer and is not in the best interests of the residents of the Goldendale and are counter to a strong majority of residents/County voters. If this developer wants to build a commercial solar farm in Klickitat County, WA; they must be required to do so on land that is farther away from any dense population. We have approved solar projects already in NE Klickitat County so our residents have already demonstrated their efforts to cooperate, so long as the projects are not an intentional circumvention of local safety needs and zoning.

Respectfully submitted (your web e mail address would not accept e mail)



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