California Energy Commission
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To Whom it may concern,

The community of Charleston View is a unique pristine place to live. We have fresh ground water to drink. Clean soil where we grow our own food. The quiet lifestyle, we live, is something that very few people today even get to experience. Our children can run and play freely on one adventure after another. We do not have to worry about someone bothering them. If there is something wrong our neighbors come together to aide each other. It is a residential community of mainly seniors on fixed incomes. With a few others who are younger residents. Most live below the property level. This is the one place they could afford to live. One exception being a local doctor with a home in the outer Charleston View tract called Spring Vally Ranchos. We live in mobile homes with the doctors' stick built and one brick home. There are no businesses or public offices nearby. The only exception being the St. Terese Mission. Which is in construction about 3 miles from Charleston View. The effects and impacts of the Hidden Hills Solar project on our families needs to be seriously considered in this application process. What will be the effects to our families and neighbors. Possible or potential harm to our health, our homes and vegetation on our properties. The Hidden Hills Solar project is going to have a great impact to all of us.

You speak of flux, which is a fancy word for a form or radiation. Yet nobody is truly speaking about the containment of said radiation, low levels or not. It is still radiation. Dan Frank spoke once about a 'stand by ring' which as I understood helps to lower the levels coming from the heliostats by adjusting their positions or whatever it does. But, this still does not explain how these levels will not reach the residents of Charleston View, CA that live just about 3,440 feet away. Especially when our desert winds from the north blow toward Charleston View. They can be very light to extremely strong winds. This flux can cause serious issues to skin when exposed regularly or for longer periods of time. Radiation in any form does not just go away, it may be diluted but it is always there. It lingers and will eventually devour anything it can expose to itself. I have heard there are ways to "dissipate" radiation levels, but these studies all have been in controlled situations, and the wilds of the desert can never be a controlled anything.

I am including pictures of the Hidden Hills Solar Project area from my personal yard. Solar 2 will be a 780 foot tower that will be a half mile from our home. With a bright light shining toward us all day long. What harm this may do to us and our neighbors is yet to be determined. there is no factual information I heard as to the effects this will possibly be. If a power pole transformer or cell tower can be harmful to residents. Then the effects of this are to be determined by what happens to us and our surrounding area. It also does not state what the long term effects of this massive solar field could be for the duration of the 30 years proposed project. Could we possibly be harmed such as the residents in Hinckley, California? Who were not aware or considered as to the possible adverse effects to them? They were told they would not be harmed from the chemicals in the Hinckley area.

There are many factors to our water table that I have not heard anything on. I hear that the water table will not drop much per your usage, lets say that is the case, I don't personally believe it, but lets go with that. These heliostats must be soldered at some joints, which means there is lead in it. A chemical known to the state of California to cause cancer. Water off of these have the potential to put lead into the ground water. Whether through rain run off, the cleaning of the mirrors or any other liquid that runs off. This ground water is what the residents of Charleston View use to drink, shower and water our gardens and our animals. This is only the concern of lead, there are also concerns regarding any and all chemicals used in the cleaning solution used by Bright Source to wash the heliostats.

Bright Source has spoken of putting up a sound barrier on personal residences within 2,000 feet of the project sight, this will do only one thing to/for the residents of Charleston View. It will destroy the view of our land from our homes toward Pahrump (the North of our homes) Sound does not go away because you put up a wall, vibrations do not go away because you put up a brick wall. What are the adverse long term health effects on hearing to the residents who live not far away from this project? I ask all of the members of the California Energy Commission to please consider this sound barrier idea feels to us and our family. We are being walled in if we accept it. As you ponder these facts we wish that you would consider how you would feel if this was your home or your family.

Mirrors are great multipliers of heat. Stand in front of one on a hot August day in Charleston View and it will burn greater than standing in the direct sunlight. A first hand account of this is my friend had bought a mirror to hang on her bathroom door, and laid it the width of her car long, in the back seat. She walked into the house, as I come over to visit her, the reflection had already begun to burn the upholstery of her seats to the point that they were smoldering and smoke was coming out of her open car windows. Had I not happened by, her car would have burned. What are the effects that these heliostats will have on our area in regards to climate?

There were a lot of talk about avian species in the Thursday, March 14, 2013 discussion. I heard them speaking of mitigating birds, but how do you really keep a free spirit from going wherever it wants to be. You may move a bird 10, 20, even 50 miles away, but if it does not wish to stay there it will return to the home that it has always known. You may be able to do this to other types of animals, tortoises are on, as they cannot climb fencing but birds are free to soar at any and any length of distance (within species reason) It is not plausible to 'mitigate avian species'. There was no discussion about the "residential birds" that live in Charleston View. There are large numbers of avian species in the Charleston View area. There is a Golden Eagle, Red tailed hawks, and Ravens in Charleston View. There are quail and roadrunners seen coming from the project site to Charleston View to forage for food and water. There are thousands of small avian species living in the trees, shrubs, and grasses in Charleston View. The area of Charleston View is a very important area to the avian birds who reside in or migrate to the area. Some of the migratory birds I have had in our yard are water birds such as Cranes, Blue Herons and several pelicans. This projects' proximity to the Charleston View community is very dangerous to avian species. These birds fly over the project site regularly. They may be seriously or fatally injured by this facility. there was no study spoken of during the hearings I attended. This project will greatly impact the birds. If records are kept on this it will be higher than staff or applicant used or considered.

The other thing that needs to be considered in the Hidden Hills Solar Project application. Is the monsoon rains and flooding that occurs in the

Charleston View/Spring Valley Ranchos area. I am including pictures of some of the flood waters. This water can stay for weeks after a heavy monsoon. Our ground becomes the consistency of instant mashed potatoes. A vehicle that goes off of the graveled areas will sink into the ground. It will not pull it's self out of the muds. We live in silt and when we dig our gardens, we simply wet the ground, turn it over with mulch and plant. This is because the ground is so easy to work with.

I would like to mention that there is land available to Bright Source just over the Nevada side of the border. Which are also part of the Wiley Trust Lands that are not in close proximity residential properties. This land is also reasonably flat. It is closer to the Highway 160 corridor which would make access to the Solar Plant much easier. There are reasonable alternatives to relocate the Hidden Hills Solar Plant. Also there are thousands of acres of land available elsewhere.

Please weigh the Charleston View residents in this evaluation. You are the only ones who can stand up and do this.

Sincerely yours,

Rayetta Haskin
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