

ALINIAD

## CALIFORNIA PUBLIC UTILITIES COMMISSION U.S. BUREAU OF LAND MANAGEMENT

### **Comment Form**





Date: <u>\( \frac{10}{10} \) \( \frac{0}{10} \)</u>
Name*: mary L. Stewart
Affiliation ( if any):*
Address: * 1256 Tierra Wel Sol Rd.
City, State, Zip Code:* Bouloward, Ca 91905
Telephone Number:* <u>419-766-9319</u>
Email:*Mone
comment: Uhy make a difference between Borrego State Park and Poulovard, Car? We have the same animals here in Boulevard that the State Park has - Why protect those animals in the State Park and not in Boulevard?
In Borrego the animals have vimillion acres to roam
around in so why would the animals even have a problem
with the power-Link The people and primals here in

\*Please print. Your name, address, and comments become public information and may be released to interested parties if requested.

mexico- Run the line all in mexico To T. of mexico cross the Border to Dan Hiego, ca - a lot less homes and people would be affected in maxico-San Kiego is the place who will benefit from oh so much more power??? Let them loose the homes and now we the damn I do think some of the 1018 CEO at towers! SSAE need some of the Big Towers on their property & arm sure they Godo hope you are smart enough to choose the that will take the less homes - Rmost every ones biggest investment is their home -Sincerely, Great Granny, mary Loce Stewart 1256 Tierra Isal Sol Rd Boulevard, ca 91905

From: kking28@cox.net <kking28@cox.net>

To: sunrise@aspeneg.com
Cc:

Date: Sunday, February 11, 2007 06:28 pm
Subject: Sunrise Powerlink

Billie Blanchard/Lynda Kastoll
CPUC/BLM
C/o Aspen Environmental Group
235 Montgomery Street, Suite 935
San Francisco, CA 94104

Dear Mr. Blanchard and Ms. Kastoll:

We are writing to urge you to commit to protecting Anza Borrego Desert State Park (ABDSP) by opposing all of San Diego
Gas and Electric's (SDG&E) Sunrise Powerlink proposed routes that would encroach on or near any portion of the ABDSP.

of the Mormon Battalion and the Butterfield Overland Mail line would also be impacted.

Such degradation to a unique and amazing place is not necessary. Other existing and already planned projects would meet the goals of this project in a less costly way. SDG&E is not seriously considering those options. Meeting reliability needs with in-county generation and conservation will be better than trying to meet reliability needs with imports from unspecified distant resources using the Sunrise Powerlink. Renewable resources in Imperial Valley can be transmitted over existing lines, like the Southwest Powerlink, or by upgrading exiting lines, like the Green Path.

We implore you to do what is right for all of the communities that would be dramatically impacted by this project as

If built, SDG&E would degrade the viewshed and compromise the natural, cultural and recreational resources of Anza Borrego Desert State Park, the crown jewel of the California State Park System. Areas permanently protected as "wilderness" are threatened by this development. Golden eagles may be harmed, as they have been reported in the Grapevine Canyon area of ABDSP and the proposed transmission line threatens the bighorn sheep, bisecting designated critical habitat deemed necessary for its survival and recovery. Native American archaeological sites and the historic route

opposed to what is most profitable for big business.

Thank you for your attention to this matter.

Mr. & Mrs. Kevin M. King 5902 Kunkler Lane

Sincerely,

Borrego Springs, CA 92004 (760) 767-4999



### **Comment Form**





Date: 2-11-07
Name*: BILL MIELSEN
Affiliation (if any):*
Address:* 232 PATRICIC DR
City, State, Zip Code:* FL CA JON, CA 920(9
Telephone Number:* 619 445-6513
Email:*
Comment: We moved to Harbison Cyn bearuse we think it
is a beautiful place and we fount want to look out the
windows of our home where we now have a view on
all four sides & see ugly tall metal power lives.
I think the Southwest power line is the best option but
it should connect Miguel substation of Ellot substation.
this is the shortest amount of new lines and there are
shreedy some high voltage ine inthis area going
north & south near the stadium. It it goes thru Ausz
Bornege then it should cast sockEst loss 25 much
25 going the non national park land because otherwise
Anza Borrego park avoid be their 1st charge when it
Thould be their last desire, It is after all supposed to be
*Please print. Your name, address, and comments become public information and may be released to interested parties if requested.



## **Comment Form**





Date: 2/11/07
Name*: Sandra Wood
Affiliation ( <i>if any</i> ):*
Address:* <u>P.O. Bay 1371</u>
City, State, Zip Code:* Boulsvard, Ca. 91905
Telephone Number:*
Email:*
Comment: 1/2 don't sized war want three?  Prince Lives - Dazy are dangerous rus  Plant, Daimal, and human health.  Leave us alone. Get out of our  Communities and stay out
*Please print. Your name, address, and comments become public information and may be released to interested parties if requested.
Please either deposit this sheet at the sign-in table before you leave today, or fold, stamp, and mail. Insert additional sheets if needed. Comments must be received by February 24, 2007. Comments may also be faxed to the project hotline at (866) 711-3106 or emailed to sunrise@aspeneg.com.



### **Comment Form**

6194450784

**Proposed Sunrise Powerlink Project** 



Date: <u>/2 Fを) 20</u> 07
Name*: GARY C. CROCKER
Affiliation (if any):*
Address:* 14834 QUAIL HAVEN LANE
City, State, Zip Code:* EC CAJON CA 92019
Telephone Number:* 619- 445- 0920
Email: * GARY @ SIERRA WEST REACTY. COM
Comment: THE PROPOSED POWERLINK ROJECT
IS NOT MEEDED. TITE DETRIMENTATION
AFFECTS TO THE COMUNITY ARK TOO GREAT
AND THERE ARE BETTER SOCUTIONS WITHAT
THE REGION TO MEET OUR POWER NEEDS.
PRIMARIA TREMOCON IS THE SOCUTION
LOCAL REVENUEL PRODUCTION 18 THE
ANSWER TO PRELIVING S.P.L.P
NO . NO . NO . S.P. L. P.
*Plansa print Your same address and account to
*Please print. Your name, address, and comments become public information and may be released to interested parties if requested.

February 12, 2007

Billie Blanchard, CPUC/Lynda Kastoll, BLM c/o Aspen Environmental Group 235 Montgomery Street, Suite 935 San Francisco, CA 94104-3002

Note from the EIR/EIS Team: This letter was sent by 26 residents of Alpine, Chula Vista, El Cajon, La Jolla, La Mesa, Ramona, San Diego, and Vista. Only one letter is included as a sample to reduce printing cost, redundancy, and use of space. All commenters were added to the project mailing list.

Dear Ms. Blanchard and Ms. Kastoll,

We are writing to you to express our opposition to the proposed Sunrise Powerlink Project as a whole, but especially the West of Forest Alternative in the Southwest Powerlink Alternatives (Figure 8 map).

The negative environmental impact of the West of Forest alternate route would be enormous. It goes right through the Sycuan Peak Ecological Preserve, within \* mile of the Crestridge Ecological Preserve, through designated open space, and private properties. Native plants and animals would be affected by this route including threatened and endangered ones. People and animals live in, near, and travel throughout these areas.

The risk of fire is great in the West of Forest route. Some of the terrain is very steep and rocky as well as extremely windy. The sheer speed that a fire can travel up and down the steep mountainsides puts this area at increased risk. Firefighting would be impacted as well. Firefighters consider areas under and near power lines as "indefensible" and do not fight fires near them. Furthermore, fires would not be fought by air due to the dangers of the high towers. In addition, residents in the surrounding areas are listed as losing the only staffed fire department near them, leaving the closest fire station over 8 miles away! The destruction of hundreds of homes from the Cedar fire already proves that this is not a good area for huge power lines! Homeowners in and near this alternate route are at risk of losing their homeowner's insurance due to the hampering of fighting fire efforts created by these lines.

The health risk is great. The electromagnetic fields created will be huge. While research is inconclusive for healthy individuals living near power lines, studies have shown individuals with ill health are adversely affected. Current laws say all power lines like these must be at least 230 feet from all schools and hospitals because of the health concern. These health concerns exist in homes that are located near power lines as well.

Property values would dramatically decrease not only for the property owner's directly affected by the power lines, but also for anyone that has a view of these lines. The varied terrain on this route allows for people to see these power poles for miles. Increased costs or cancellation of homeowner's insurance would be a major financial burden.

If the Sunrise Powerlink Project must be built we recommend using the I-8 corridor. This route has already been impacted by the freeway and has existing Right-of-Ways running along side it. Furthermore, it is the easiest way to put underground lines in any areas that might need it and will have the least impact on private land owners.

Finally, we believe that SDG&E has not proven that we need these additional power lines. Use of the Non-Wire alternates in the proposed project including the options that already exist make more sense. Reliable wind and solar options that are currently being used successfully elsewhere and the use of the existing Encina and South Bay power plants could address San Diego's need for more power. It would allow San Diego to act responsibly toward getting power that is environmentally friendly as opposed to allowing Sempra Energy to continue to rely on and produce dirty power in Mexico where there are few regulations. Pollutants from the power plants in Mexico can drift back into California, Arizona, and beyond.

Don't let a private business come in and use 1.4 Billion dollars of taxpayer money (or more), take over and destroy private and government lands forever, as well as risk the health of thousands all because of money. This project makes no sense. Please do the right thing and say NO to the Sunrise Powerlink Project.

Respondently

Para Dave Devide

11037 Summed Knowledd

Lake side, CA 92640

Nathan & Adrianna Howe 20760 Spice Way Jamul, CA. 91935

California Public Utility Commission 235 Montgomery Street, Suite 935 San Francisco, CA. 94104-3002

To Billie Blanchard and Lynda Kastoll:

This letter is to inform you both of our concerns in regards to the Sunrise Powerlink Project.

We are 1st time home owners of a property that will be greatly impacted by the designated alternative route "D" of the proposed Sunrise Powerlink Project. Currently, a SDG&E easement bisects our land and if the alternative route "D" is accepted we would be forced out of our home due to the 300 foot easement increase.

Beyond the possibility of loosing our home and dreams, we are against any alternative route as well as the Sunrise Powerlink Project itself. Below is list of supports for our opposition:

- 1. devastating environmental impacts on wildlife, specifically endangered species like the Arroyo Toad and Quino Checkerspot Butterfly, as well as threatened species of big cats and deer
- 2. increased pollution drainage into Barret Lake Reservoir
- 3. decrease of property value in all impacted areas
- 4. health effects of high voltage lines on human life
- 5. continued reliance on fossil fuels, new lines are not of the renewable nature (solar, wind and biomass)
- 6. grossly expensive
- 7. incapable of providing reliable energy due to the unproven Stirling Engines and unforeseen forest fires
- 8. current energy projects within the San Diego are already underway

We also support San Diego County Supervisor, Dianne Jacobs, in her recent statement that "...SDG&E can keep the lights on in its territory and satisfy its renewable energy mandate with measures that are cheaper and safer than this costly line" (Jacobs, Public Comments, Feb. 6, 2007).

Please consider this complaint and others as the public's voice and remember us when you set forth to make a decision that will carry long term negative effects for centuries to come.

Sincerely,

Nathan Howe & Adrianna Howe

February 12, 2007

Billie Blanchard, California Public Utilities Commission Lynda Kastoll, Bureau of Land Management C/O Aspen Environmental Group 235 Montgomery Street, Suite 935 San Francisco, CA 94104

Subject: San Diego Gas & Electric Application No. A.06-08-010, The Sunrise Powerlink

I appeared at the public Meeting on February 6, 2007 and addressed the panel, however the three-minute limit to each speaker prevented me from reading this entire letter. Therefore, I am sending it to you for further perusal.

I have followed along over the past two years the SDG&E Proposal for the Sunrise Powerlink. I strongly object to the proposal. I wrote a letter of protest to the California Public Utilities Commission suggesting that if the project is needed to route the 500 Kv line with the existing Southwest Powerlink. The Independent System Operator (ISO), oversees the electricity reliability for most of California, has stated that route is unacceptable because it is "vulnerable to outages."

The terminology "vulnerable to outages" also exists in any of the backcountry of San Diego County. The "Backcountry" of San Diego County is made up of desert, grasslands and forests, much of which is scenically the same as when the Native People were the only inhabitants of the area. My suggestion is to preserve the many Historical Sites, Parks, Open Space Preserves, Wilderness Areas and National Forest outdoor recreation areas set aside by the people of the United States, California and San Diego County.

The distance quoted for the Sunrise Powerlink is 150 miles, however the distance if the Southwest Powerlink is followed is roughly 100 miles by my calculations. A shorter route should mean it would be less expensive.

I now have an additional protest to the Sunrise Powerlink, based on newly found information regarding the alternate route proposal.

SDG&E made a notice of an application for a Certificate of Public Convenience and Necessity named the Sunrise Powerlink. I partially quote the Purpose of the Project Section in that Application Number: A. 05-12-014.

"The Sunrise Powerlink is needed to ensure continued reliable service within the San Diego area." San Diego Area! The same terminology is utilized in the first paragraph of the Notice of Second Round of Scoping Meetings. That packet was mailed out on January 20, 2007.

The same packet contains a map prepared by the Aspen Environmental Group, Figure 10, System Alternatives. That map indicates many transmission lines <u>outside</u> of San Diego County that will tie into the Sunrise Powerlink. They are the Serrano Substation in Anaheim Hills of Orange County. The Valley Substation in Homeland of Riverside

County. The Devers Substation in Palm Springs of Riverside County. The Talega substation in Rancho Santa Marguerita of Orange County. These are not in San Diego County.

Another map in the packet is Aspen Environmental Group, Figure 4, Central Link Alternatives. The map indicates a Proposed Central East Substation very near Highway S2 about 7 miles east of Highway 79. It also indicates another SDG&E Central South Alternative Substation about 3 miles southwest of Santa Ysabel. The location of either of these two substations will forever alter the quality of San Diego County's Backcountry.

I refer you to Page 4, Paragraph 2, Future Phases of the Sunrise Powerlink Project section. I quote, "The proposed project includes only two circuits (on one set of towers), so at some point in the future, four additional circuits could be constructed. The timing of the need for these circuits is uncertain, but SDG&E states that one or two additional circuits would likely be required by 2020." Oh my, I count six circuits with the potential of 4 additional transmission lines exiting the Central East Substation or the Central South Alternative Substation. We are not dealing with only one transmission line at these substations, but as many as six-transmission lines will eventually cut across our backcountry landscape.

I refer you to Page 5, paragraph 2, Central Link Section. The paragraph describes a 500 Kv transmission line going into the proposed Central East Substation, but paragraph 3 only describes a 230 Kv transmission line leaving the substation. Paragraph 4 states there will be one 500 Kv transmission circuit and two 230 Kv transmission circuits. My question is, where will the second 230 Kv transmission line go and when. Toward the north, supplying electricity to Riverside, Orange and Los Angeles Counties?

I suspect SDG&E maintains that all of these substations are part of the Western United States Grid System that must be maintained to ensure electricity coverage in times of disaster or heavy use. But, at the same time these transmission lines will also allow SDG&E and/or Sempra Energy to transmit electricity from two power plants in Mexico that are owned by Sempra Energy. These two power plants are three miles south of the United States Border near Mexicali, Baja California. Keep in mind that SDG&E and Sempra Energies are called a "Public Utility", but they are not publicly owned. They are in business to make money for their stockholders and will sacrifice any and all of the public lands to accomplish their goal.

Put all of this together and it is plain to see that the Sunrise Powerlink is a vital part of providing electricity way beyond San Diego County at the expense of damaging forever the preserved landscape of San Diego County's Backcountry.

That is my additional protest.	
Edward P. Huffman X	
PO Box 704	
Santa Ysabel, CA 92070	

February 12, 2007

Billie Blanchard, CPUC/Lynda Kastoll, BLM c/o Aspen Environmental Group 235 Montgomery Street, Suite 935 San Francisco, CA 94104-3002

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running along side it. Furthermore, it is the easiest way to put underground lines in any areas that might need it and will have the least impact on private land owners.

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Don't let a private business come in and use 1.4 Billion dollars of taxpayer money (or more), take over and destroy private and government lands forever, as well as risk the health of thousands all because of money. This project makes no sense. Please do the right thing and say NO to the Sunrise Powerlink Project.

Respectfully,

Lillian & William Montejans 1030 Old Mtn. View RD. El Pajon, (a. 92021

You have no consideration for as legarding our view. You never asked the people across the campon, where we have full view. We have full view. Ho not bring this to our neighborhood. You're also destroying the value of our property.



#### **Comment Form**





Date:  $\frac{02/13/2007}{}$ 

Name\*: LOWISE M. PHILLIPS

Affiliation (if any):\* ANZA BORREGO DESERT STATE PARK

Address: \* POBOX 2540

City, State, Zip Code:\* BORR = GO SPRINGS (A 92004

Telephone Number:\* <u>760 - 767 - 4378</u>

Email: \* MTLDA34@SBCGLOBAL, NET

Comment: IF SDG & HAS N.4 DILLION DOLLARS TO SPEND, A BETTER

USE OF FUNDS WOULD BE TO INSTALL SOLAR POWER SYSTEMS

IN SAN DIEGO COUNTY ON AVAILABLE BUILDINGS OR HOUSES.

THIS WOULD SATISFY STATE REQUIREMENTS FOR ALTERNATIVE

ENERGY SOURCE IN A MUCH MORE EFFICIENT WAY. THE

BUILDING OF UNSIGHLY POWER TOWERS 'B A RATHER ARCANE

METHOD IN THE LIGHT OF CURRENT SULAR POWER TECHNOLOGY.

SDG E WOULD PROBABLY HAVE A SURPLUS TO SELL TO

OTHER AREAS, EVEN WHEN CURRENT CUSTOMERS HAVE

SATISFIED THEIR PEAK NEEDS IN SUMMER HEAT. THE

CURRENT GENTHERMAL CAPACITY IN IMPERIAL COUNTY

13 NOT LARGE ENOUGH FOR SUCHA LARGE VOLTAGE KINE.

WHAT OTHER "GREEN" SOURCES OF POWER DO THEY INTEND

TO TRANSMIT OVER THESE PROPOSED LINES?

\*Please print. Your name, address, and comments become public information and may be released to interested parties if requested.



## **Comment Form**



**Proposed Sunrise Powerlink Project** 

to the project hotline at (866) 711-3106 or emailed to sunrise@aspeneg.com.

Date: Feb 13,2007
Name*: Regina Pitti
Affiliation (if any):* Democrat
Address: * 2731 Via Orange Way # 113
City, State, Zip Code: * Spring Valley CA 91978
Telephone Number:* 619-670-0399
Email:*
Comment: For the proposed Sunrise Powerlink Project  I choose the no project alternative or  poor the no wires alternative
·
*Please print. Your name, address, and comments become public information and may be released to interested parties if requested
Please either deposit this sheet at the sign-in table before you leave today, or fold, stamp, and mail. Insert additional sheets if needed. Comments must be received by February 24, 2007. Comments may also be faxed



## **Comment Form**





me*:	Miriam K. Platkin
filiation (	( if any):*
dress:*	4305 Aven Dr
y, State,	, Zip Code: * La CA 91941-6304
lephone	Number:* 619 469-4280
	mirian 2 @ cox, net
mment:	Please choose the no wires:
	fathe Sincise Powerlink project
	Las the Sinisis Powerlink project
<del></del>	
Please print.	Your name, address, and comments become public information and may be released to interested parties if reques
rease primi	, , , , , , , , , , , , , , , , , , ,



### **Comment Form**

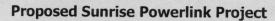




Date: 2-14-07
Name*: Richard Durrell
Affiliation (if any): * Harbison Caryon Community board member
Address:* 276 Editha Dc
City, State, Zip Code:* EL Cajan CaLif 92019
Telephone Number:* <u>619 445 4447</u>
Email:*
Comment: Harbison Cyn + Crastare very high risk tire Areas. In
Comment: Harbison Cyn + Crestare very high risk fire Areas. In
Fine of 2003 Harbison Lost 287 Homes & Crest Lost 276. Because
of the steep terrain in Hackier Cyn, Fighting wild Land Fires 181th
ground crews is extremely difficult + dangerous
Your proposal to run the Survise power Link grover through
Harbison Cyn + Ciest would put our communities in extreme
Langer by Limiting the ability of fire fighting aircraft
to stop fires on the West side of Harbison Cyv. If wild fires
are not stoped on the west side they Race uphill to Crest.
the communities of Harbison + Crest still haventfully recovered
From this disaster, transmission hines on the west slope would
prevent fire fighting ancient to Thy and protect our communities.
*Please print. Your name, address, and comments become public information and may be released to interested parties if requested.



### **Comment Form**





#### Daniel V. Wise 22655 Tombill Road Ramona, California 92065

Billie Blanchard, CPUC c/o Aspen Environmental Group 235 Montgomery Street, Suite 935 San Francisco, CA 94104-3002

#### RE: Alternative Proposal to the SUNRISE POWERLINK PROJECT

Current Description: 150 miles of high energy transmission towers running near the coast @ \$1.3 billion entailing significant and unrecoverable environmental damage and family dislocations along with the devaluation of existing housing.

Objective: 500,000 KV enough for 600,000 homes by 2010

Dear Ms. Blanchard,

During the past month, SDGE has interjected several, seemingly sporadic changes to its own long-term planning strategies for establishing the viability of an interstate power link. It seems they're trying to put the blame on everyone else for their own planning & economic inconsistencies. This kind of information shuffling reminds me of the troubling attempts made at energy deregulation and the fraudulent energy market manipulations which it triggered under a failed policy without more careful oversight by the CPUC or DOE.

Must we continue with the same unbalanced approach to reducing peak demand loads and new construction electric demands by one HUGE project? I possess direct experience in working as a long term, Strategic Analyst for SDGE during the 1980's era of implementation for PUC mandated, public energy conservation programs, solar installations; and economic analysis for new business opportunities regarding peak load reduction strategies and technologies.

Let's revisit some of these recent disturbing scenarios of misplanning:

- I. Jan 23. SDGE drops their previously stated claim for a transmission link savings before the PUC, admitting to incorrectly estimating an annual benefit of \$447 mil....now corrected to only \$85 mil per year.
- That's a difference error of \$362 mil? Where did they miscalculate?
- Why They DIDN'T...of course

They're saying it's the CPUC's process to blame; and it's the CEC's new projections which offer us yet another crystal balling factor, and other shaky forecasting methodologies which blow whichever way the SDGE executives ask for.

- Lastly of course, they implicate & involve PUC regulators with its direction to extend, almost as a quasi economic threat, the need for "expensive standby power plant contracts" until 2020, instead of their 2015 estimates. Will five years really help their economic models look better in comparison to alternative energy? ... not a chance.

The Resource Bundle described on pages 20-21 more accurately speculates on a New In-Area All-Source Generation plan. This creates a "diversified" energy portfolio of investment which makes the most sense for reliability and financial rate of returns, because it keeps SDGE's funding and project development right here in San Diego. Just think of how much money can be saved if your calculations actually included a deficit value for the electric energy that will be lost over the transmission grid. A local, decentralized base of renewable and upgraded, efficient power plant production is the most efficient, economical, & reliable.

Doesn't this utility rhetoric sound uncomfortably similar to the failed and corrupted efforts of California's worthy attempt at utility deregulation which we, the public ratepayers, had to put up with and pay for? If this commission wants to authorize any future long-term energy contracts in Southern California, they better deal directly with a truly, reliable & predictable source of incorruptible energy supply — That would have to be the SUN itself!

II. Next, Jan. 26, PUC announces new emission standards prohibiting utilities from purchasing coal-fired KW from out-of-state. PUC president- Michael Peevey correctly states it's time to address the challenges of climate change. SDGE then stated that it was more economical to build local clean, power generation capacity then to try and build an interstate powerlink.

III. Déjà vu – Jan. 31<sup>st</sup>. SDGE now increases its "savings estimate" back up to \$220 mil, making another complete reversal from its previous calculations... and long term strategies. SDGE seems to take no responsibility for its own economic analysis for San Diego's future energy reliability.

Stating that forecasts are periodically updated during the lengthy PUC process; in addition, that new projections for the CEC show an increase in future energy demands. Well, I ask you...who should better know/ have economic/ market information about San Diego? SDGE or the CEC?

How surprising could such economic variables be to SDGE's experienced energy analysts and power brokering accountants? You know they're constantly running "what if?" scenarios in an effort to predict the worst and best case data for PUC filings and maximum benefits to their shareholders existing capital investments.

Why does SDGE feel it has to travel all the way to the Imperial Valley Desert to obtain Solar Kilowatts? Their only attempt to develop any significant solar energy within one of the sunniest regions in the U.S., is based on the conjecture/assumption/ and probably, unreliable projections that someone, someday, somehow is going to develop "clean, renewable solar projects in Imperial County, Sterling Engines out of sand.

The CPUC has a critically serious decision to make, along with a fantastic opportunity to lead our state, along with Governor Schwarzenegger's Solar Program, into a new area of technological growth and progress. However, this won't happen until the PUC cleans up the rules & regulations to make it a financially viable option for independent power producers to enter into the electric energy markets at capital investment levels more feasible for 50 KW status.

They need to earn a fair market price and return on investment just like the oil company subsidies given out over the past years to support their billion\$ profits. The electric energy market has been locked out against local, and out-of-state, independent producers of renewable energy. It's time the **California Independent System Operator**, ISO moves strategically to decentralize power production to smaller more efficient technologies. Such leadership will revitalize and create truer competition for energy resale values between alternative energy producers and SDGE.

Let's review our true, long-term options for important changes....climate change due to human pollution has been covered up long enough. We have the clean, renewable resources at our doorstep to reduce demand on out-of-state, polluting, nonrenewable power producers. The National Renewable Energy Laboratory, NREL maps chart the availability for the collection of Solar Radiation for new photovoltaic generation in commercial and residential facilities.

Electric service Reliability issue... solar Kw's enjoy a high rate of reliability based on the seasonal predictability we have with solar radiation maps of Southern California. NREL average per month (Oct. 5 to 6 kWh/m $^2$  to Aug. 6 – 8 kWh/m $^2$ )

**Economics**: Middle Eastern oil; Asian tankers carrying compressed natural gas; buying kilowatts from Mexico's polluting energy infrastructure, like other U.S. coal-burning states do not offer a clean and sustainable supply of reasonably priced electricity, especially now that we can factor in more accurate costs associated with impacts to the environment and health care.

**Solar Futures:** Utility bulk solar purchases could net a cost at or below \$4 per watt. To set up a typical home system of 4-5 Kw, that would run around \$20,000. After applying the CEC rebate, a homeowner could then anticipate a 6-8 year payback on their net investment, based upon existing net metering programs for buyback energy.

Projections & /Estimated Savings: We have all the Solar Radiation Zone mapping we could possible want in order to calculate, target, fund & install reliable solar electric systems for 600,000 homes by 2020. In many cases, a 5 KW system will supply a majority of typical household's annual demand. Contrary to large transmission expenses, solar equipment pays for itself in a shorter time frame (6-8 yrs) and provides a direct and immediate benefit of reduced emissions for Kw's generated. Solar Kw's directly reduce the need for those "expensive standby power plant contracts out to 2020. As a matter of fact, most of these residential systems would be producing electricity enough to have paid off the systems net cost.

An active and competitive Solar industry will provide more jobs; local revenues; and a long term, reliable supply of predictable, peak-reducing kilowatts, pollution-free, throughout San Diego.

Simply study the solar generation data from existing customers and you'll find that the PUC's solar rebate program is working successfully. Go to <a href="https://www.aesystems.com/solar.html">www.aesystems.com/solar.html</a> and you can read about the history of a 5.6 KW PV system.

These systems are not only reducing SDGE's need to run "old " power plants for expensive, peak demand spikes, but solar KW's actually represent a significant savings by offsetting the need for expensive, new transmission infrastructure. SDGE can now begin to invest in a more decentralized substation capacity for distribution and transmission of solar kw's throughout the "existing" power grid.

- It's time to provide sustainable, open market values for emission reduction technologies Like an increased investment in localized solar energy production.
- Solar PV is ready to provide a predictable level of peak-clipping kilowatts which can be installed directly on the rooftops of SDGE ratepayers who elect to invest in this technology, and develop" community-based" electric cooperative energy stations.

- New homes in San Diego, and other high radiation zones, throughout the state, should be required to have Solar electric systems installed. Such homes can be designed for passive solar efficiency, as well as, amortizing the systems cost over the life of the mortgage as a valuable add-on to its desirable, non-polluting energy efficient resale value.
- Public education about the significant benefits of energy conservation and practical applications using solar energy technology must also be addressed in a PUC proposal.

Our future objectives are clear; the alternative technology & financial markets are ready; the ratepayers are ready; and the rest of our country is watching what we do.... Let's begin to develop appropriate scaled, economic models to justify a decentralized investment for a broader, more reliable and predictable supply of locally generated solar Kw. Heck..we can always make utility savings & planning adjustments to the plan by a few \$200 million or so, just like SDGE's projections, and change our yearly Kw objectives as we go along...right?

I propose that the PUC direct that SDGE create a Solar Division with responsibility for managing & contracting that \$1.3 billion dollars, in measured increments of solar electric Kw's as they come on line annually, in accordance with PUC mandated goals. We would now have a financially viable investment in local, renewable electric generation and distribution services which will benefit both SDGE's shareholders & ratepayers.

I also expect that the ISO will begin to update its transmission grid modeling as well, in order to support the PUC with this opportunity to create a very real future of reliable, economical, and clean electricity. It's time to update our public education textbooks, as we had previously accomplished in the 1980's, by lowering the speed limit for automobiles, and setting out a new model for public education regarding energy conservation and the use of alternative energy sources.

Ratepayers are calling out for significant change in the utility/PUC/ISO, "business-as-usual" model. To the contrary, ratepayers are demanding a direct financial development of solar resource in Southern California, versus SDGE's "rhetorical & inconsistent" strategy for justification of the Sunrise Powerlink, based upon some "yet to be developed solar project". Such manipulation of informational slogans, along with SDGE's slipshod economic calculations, really appears to reveal their true corporate strategy of seeking to build yet another interstate grid interconnection for greater access to outside markets for more non-renewable energy contract brokering.

California can do it! Please take this opportunity to invest us into a dependable and diversified energy portfolio. Do something brave, unprecedented, and economically viable for a sustainable power supply with renewable solar technologies for our future generations.

Daniel V. Wise California Educator

Cc: Governor Arnold Schwarzenegger
Erik N. Saltmarsh, Electricity Over Sight Board
Public Relations, California Independent System Operator

#### California Public Utilities Commission Bureau of Land Management

#### PROPOSED SUNRISE POWERLINK PROJECT

Date: February 15, 2007

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#### COMMENTS:

I believe there are NO acceptable alternative routes for the proposed Sunrise Powerlink -- even if SDG&E could afford to put the entire Powerlink underground.

To route the proposed high voltage transmission lines near or through residential areas is unacceptable to our human communities. And to route the line through any of San Diego County's irreplaceable natural areas, wilderness areas and open spaces is also equally unacceptable.

To force our human neighbors and communities to choose between protecting their quality of life versus the quality of their environment is a false choice. In diverting our attention to choose the "right route" for the transmission line – it would be all too easy to "miss the forest for the trees" – causing us to pitch our human communities against each other – or forcing us to choose which of our precious natural areas to sacrifice. ALL ARE THE WRONG CHOICES: The central premise of the project is invalid. There should be no transmission lines.

#### I therefore contend that:

- A centralized energy production site miles from it's intended market requiring high-voltage transmission lines to bring that energy to the market for which it is intended is simply the completely WRONG PRADIGM;
- Instead of investing the kinds of capital dollars they seem prepared to expend in routing the proposed Powerlink, SDG&E should instead be investing in facilitating, subsidizing and developing LOCAL DECENTRALIZED AND SUSTAINABLE energy solutions WITHIN the very market areas where the power will be needed.
- In addition, transmitting electricity thru wires typically looses 4% of the energy transmitted per 100 miles due to wire resistance. So the closer you produce electricity to your market, the less energy needs to be produced.
- Costs per mile of 500Kv transmission line are typically between \$1 \$1.5 million, depending on terrain, angle of the towers, etc. It will also be A LOT more if ROW has to be purchased.

- This "no wires" solution will negate -- or at least drastically reduce -- the huge infrastructural investments otherwise required as well as their associated impacts -- by simply no longer even requiring the new heavy duty transmission lines; SDG&E should not even be considering routing heavy-duty powerlines from Imperial County to San Diego County;
- Instead -- SDG&E should be seeking ways to facilitate and subsidize decentralized and sustainable energy production within the very market place where the power is actually needed. We have the technology -- and there are cost-effective, feasible and sustainable solutions. *Solar Today Magazine* has, on numerous occasions in their articles over recent years, demonstrated the relative cost-effectiveness of solar energy solutions through new *photo-voltaic panel* and *photo-voltaic building cladding* products;
- SDG&E should be actively subsidizing decentralized sustainable energy production -- not investing in centralized energy production many miles from the market in which it will be used;
- SDG&E should not be investing valuable resources to transfer energy between production areas and markets at huge visual and environmental disturbance or human community and health costs.
- Any proposed centralized energy production and transmission system poses an enormous homeland security target and risk -- which can be avoided if a local decentralized power generation system is developed instead, thus completely negating the need for a centralized energy production site and the need for high voltage energy transmission.

Finally – negotiations between the powerline consultants and various State Agencies regarding the routing of the transmission lines has been unacceptably inconsistent. For example:

- We have been informed that when the consultants met with CalTrans about routing the powerlines along the Rt. 56 ROW (whether underground or above ground) they were told by CalTrans it this suggestion was impossible and that CalTrans could not support it. So the consultants have simply discounted this concept.
- But when the consultants were provided the same kind of response by the California State Parks regarding the unacceptableness and impossibility of routing transmission lines through Anza Borrego State Park, the Park's opposition has been completely disregarded.

This inconsistency of these responses demonstrates an unacceptable and biased policy when negotiating with State Agencies of equal standing.