



OPEN MEETING

**SPECIAL OPEN WORKSHOP OF THE BOARD OF DIRECTORS
OF THIRD LAGUNA HILLS MUTUAL
A CALIFORNIA NON-PROFIT MUTUAL BENEFIT CORPORATION**

**Monday, April 8, 2019 at 2:00 PM
Laguna Woods Village Community Center, Board Room
24351 El Toro Road**

NOTICE AND AGENDA

1. Establish a Quorum/Call Meeting to Order
2. Approval of Agenda
3. Member Comments – *(Items Not on the Agenda)*
4. Street Light LED Pilot Presentation and Discussion – Siemens Industry
5. Adjournment

Steve Parsons	<p>Sheila and I drove by the test area 2 nights ago and viewed the differences in the output of lighting. We liked "C" the best but think the test should have been with cobra heads on all the test poles. The lighting on all the heads we felt were inadequate to reach the opposite side of the street to light the sidewalk areas.</p> <p>Also, the mushroom head lighting was totally inadequate for our needs.</p> <p>One drawback of the test is the intensity of light from the actual bulbs that could affect driver's vision of the road. The intensity of light from these bulbs is almost as bad on driver's eyes as oncoming cars with LED headlights.</p> <p>I think the test should be expanded to include "C" lighting in secluded areas.</p> <p>When would you schedule a pilot for upgrading from high pressure sodium street lighting to potential LED lamps?</p> <p>1.) During a full moon</p> <p>2.) During a no moon</p>
Steve Leonard	<p>I just got back into town from Whitehorse Yukon Territory (Brrrrr!). I went out early this morning and did a drive up and down Sosiega like Steve and his wife did. I totally agree with Sheila and Steve's assessment. The thoroughfare lighting needs to be put on cobra head lighting fixtures - Carrizo, Sosiega, Bahia Blanca East and West, Punta Alta, Calle Azul, Paso del Lago East and West, San Amadeo, Alta Vista, Via Vista, Calle Sonora, Calle Sonora Oeste and Este, Via Serena (I think these are already Cobra heads) etc.</p> <p>I would really like to see a pilot in the cul-de-sac areas. I think after seeing the LED mushroom caps fixtures installed by Siemens on Sosiega, I would like to see a pilot in a cul-de-sac using the fixture that US Energy suggested in May of 2018 in their report to Third Mutual.</p> <p>I am going back out tonight with my wife to see if I/we have a different "view" of things. I will also revisit the sample LED cul-de-sac fixture at the 969 building in Gate 1.</p>
Kathryn Freshley	<p>I vote for light color B as installed on Via Sosiega.</p>
James Rohrs	<p>New street lights on Sosiega. 3rd Mutual I wanted respond to the email sent out regarding new lighting. I saw A, B, and C placards on lampposts. A was very harsh.</p> <p>B and C were easier on the eyes. It seemed like the old "bug" light has a better lighting foot print. May due to less glare. The new lamps are brighter, maybe softer lenses to disburse the light?</p>
Martin & Roslyn Rhodes	<p>Via handwritten note left with Concierge. "We have viewed the streetlight choices A, B, and C. We feel option A is most appropriate to our needs.</p>
Merle Entner	<p>Mr. Entner conducted a very thorough analysis which included taking carefully comparable photos of each option. He brought the photos and several articles to be passed on to the M&C Committee. He is an electrical expert having owned a large electrical engineering firm prior to retirement. He is interested in being more involved in the project. His telephone number is 949- 939-8511.</p>
Cush Bhada	<p>The clear winner according to me is 'C'.</p>

	<p>I selected item 'C' as it provided a wide area of illumination and light was bright which almost reached the opposite side of the street. Ave Sosiega being a very wide street and if the light reached the opposite side, on smaller and narrower street or small cul de sacs it will brighten the street and make walking in the evening a safer and pleasant experience.</p> <p>The Cobra heads would be good to use at intersections and T junctions, however, the ones on display did not do the job effectively. We need to see some more options of the cobra heads that give better illumination.</p>
Deborah Long	<p>In the current pilot my vote is for 'C' and further testing of Cobra Heads.</p> <p>Manor 3228-B is in favor of option B because they appear to us to be the brightest. The mushroom head fixture keeps the light glare down to a minimum as you drive along the street.</p> <p>Option A is the worst because of the glare issue for driving.</p> <p>Option C is okay with the mushroom head fixture, but they don't seem as bright as Option B. The only issue where option C might be better is when the street light is close to a manor. The brightness of option B might be too much. The brightness of option B is great for the main streets.</p>
Sharon Phillips	<p>Should there be multiple types of lighting? Main streets with the brighter option B lights and cul-de-sac and smaller roads with option C.</p>
Linda Tigert	<p>PHILLIPS-residence 5522C. ID's 195927 and 195928. We both vote for light A.</p>
Jo Panitch	<p>My choice would be B</p> <p>Light fixture A has much street appeal during the day – unlike B and C and the old fixtures. Problem is the light is blinding as you drive toward the A lights.</p>
Deborah Sacker	<p>I strongly prefer Sample B for the following reasons:</p> <p>Type A - intensely glaring as drivers approach. The cobra head is SO reflective that it's blinding and creates nightblinding and ghosting, especially driving uphill from Santa Maria. It also illuminates less distance as measured by lightstrike from the curb towards the center line on the street. Some of that can be adjusted. Not sure if that would improve the lightstrike and would probably increase the intensity and glare.</p> <p>●Type B - my STRONG preference. The color appears to be 2000k-2700k which is easier on the human eye than hugely intense 3000k-5000k white/blue, especially when used outdoors under a dark night sky. The illumination zone strikes well over the street centerline and is very helpful even approaching from a distance. It also lights well up the slope behind it which is extremely helpful for spotting the movement of skunks and coyotes at night. It does so in a comfortable enough color and intensity range that it creates far less night blindness than Type A.</p> <p>Type C - is the undesirable middleground; it illuminates in a wider cast than A, but the white-blue +3000k bulb creates distracting glare and nightblindness.</p> <p>Strangely, I have participated in these testing programs in 2 other communities. It turns out that because of diminished vision or increasing cataracts and other sight problems, seniors are far more sensitive to the new LED technology and the glare they create.</p>

	<p>● NOTE: This is the same problem created by the wholly inappropriate Lantern-style path lighting that was popular when this community was built; those lights also are moribund for the times and our senior population... they do not adapt well to the glare of LED bulbs which have intensely focused directionality, and the tendency to match wattage output with the former incandescent bulbs is a faulty equivalency because of the variations in how that wattage appears. The poor choice of bulbs that were installed along the walking paths actually blinds pedestrians which is the polar opposite of the desired result. At the VERY LEAST, the wattage should be brought down to 25w per fixture, though ideally, shaded, dishtop styles at lower output, but more closely spaced, is ultimately the more appropriate solution.</p> <p>I hope those factors are considered when replacing path lighting in United.</p> <p>● While I am here, the lovely, new, large, oval numbering signs installed near Gate 6 are not hung at a good height. When cars are parked curbside (which is most of the time) the signs are so low that they are 100% obscured by the cars, so can not be seen from a distance as they were designed to be. In fact, as a resident, even knowing they are there and watching for them religiously, I can almost never find them until I have passed them by.</p> <p>Wasn't the entire goal to make it significantly easier for drivers to locate buildings when visiting our community? The cost of this sign conversion must be high enough that it makes no sense to complete the switchover if the new signs are blocked from view!</p> <p>I prefer option C. Thanks!!</p>
Mark Laws	
Karen Westrich	<p>Kudos to the Third Mutual board for pursuing this worthwhile project & setting up the 3 options.</p> <p>To choose the best option - I would select the one which rates the highest based on this criteria:</p> <ol style="list-style-type: none"> 1) most efficient in dispersing light in the widest range; 2) most cost effective; 3) least maintenance <p>If they are all equal, I would then go with option B.</p>
Tom Cody	<p>I liked the "B" lights best, because they had the biggest foot print. And I'll bet if they were not on the hill side, but on the same side as 'C' it would be no contest as to which one cast the biggest circle.</p> <p>B was brighter than A, bigger circle than A or C. C was as bright as B. Led, "C", usually means more expensive to buy, but lower wattage & so therefore could save money in the long run. C would be my 2nd choice.</p>
Georgia Lawrence	Alan & I vote for option B for street lights.
Roger Hoover	I prefer OPTION B of the 3 street light options.
Ruby Asahina Larry Pooler	<p>Option B has a simple fixture design with a pure warm light that is not too harsh and does not distort the colors of the landscape and buildings in its cast.</p> <p>After viewing the three light options, I prefer Option B since it the most aesthetically pleasing.</p> <p>Currently the street lighting is insufficient. One can not see anywhere at night with the current lighting, except immediately under the light fixture.</p> <p>Updating our street lighting using modern technology makes sense economically and</p>

	Provides a more safe environment for our community.
Renee Devereaux	I'm so delighted that lighting issues are being addressed. Please add to your list of dark places that need light: CDS 81 desperately needs light enhancement. From the parking area , the path leading past Bldg. 881 to Ronda Sevilla is particularly hazardous after dark. Your consideration will be sincerely appreciated.
Edmund Phillips	Our selections in order of preference are: Light C (in our view, the brightest and best) Light A Light B
Trish Cassidy	I like A. I saw them in the dark and "A" shows the street and sidewalk. The other 2 even though they look like what we already have only show the light of the hill behind.
Jay Laessi	I prefer OPTION B of the 3 street light options.
Richard Connell	Option B has a simple fixture design with a pure warm light that is not too harsh and does not distort the colors of the landscape and buildings in its cast.
Gary Fredericks	Option C or what ever is the most cost effective and providing the most safety for the residence without blinding you as you walk or drive down the street.
Gregg Weiner	Thanks for the opportunity to weigh in on the lighting options. I prefer B, but C is OK too in my opinion. I do not like A.
Stephanie Colantoni	A is best.
Joyce Aquino	I prefer option C. It seems to cover a larger area. A is truly the best light, but the post isn't high enough and therefore the bright light shines right into the windshield when you are entering from gate 10. B lights up the foliage behind it better than lighting up the sidewalk and street. C is our choice. It lights up the sidewalk better and shines into the middle of the street.
Sue Margolis	I prefer A. Would like higher lumens bulb
Carol Tanner	Option A provides more lighting.
Elkin Simson	We live at 3455 Unit C on Bahia Blanca West. In our opinion, Option C provides the best of the three options. We also point out the old sodium yellow lights provide really good light (light is a little better than any of the three new options, but of course the color is not natural), so it's somewhat unfortunate that they are expensive, use a lot of electricity and are environmentally unfriendly, etc.
Barbara Belyea	The white light, Option C, to my eyes covers the most area with the best light. The white light is brighter and more effective than the yellow/orange ones.
Steve Stanfill	My Two Cents on a drive by(twice) for the pilot street light project. 1. A - Cobra Arm - Provides more light 📢 directed into the streets, but there seems to be an increased glare from the lights upon approach in a vehicle. Nice look.

	<p>2. B - New Mushroom - Provides much more light , great new look for replacing the older, worn out “mushroom” fixtures. Also provides more light to street area and surrounding garden areas. A “refreshing” touch.</p> <p>3. C - LED Retrofit to Existing fixtures - The retrofits provide much more light than either A or B from my observation. Doesn’t do much for “refreshing” some of the older/worn looking fixtures and may cause some residents to question additional light into residences for some locations.</p> <p>My first concern would be ease of maintenance and duration/longevity for choosing the appropriate replacement. Second concern would be cost/replacement. Third concern would be device availability short/long term and other customer “reviews” or “ratings” .</p> <p>Update! After 4 drive-by viewings. The new Mushroom lights get my vote. Great light across entire street with a new, refreshing look to the older fixtures.</p>
Bill Donaldson	<p>Just thought I would share my opinion. I live almost as far from this as is possible and still live in the village. I love LED lighting as opposed to sodium lights. I thing retrofit to the existing would be the most efficient and cost effective. I probably will not visit the site. In the picture shown in the invitation and can barely make out the presence of a man standing in the street. Was that intentional?</p>
Karen Hollingsworth	<p>Too many lights that are way too bright on sidewalks and in stairways!</p>
Robert Peters	<p>Our manor is adjacent to and overlooks Avenida Sosiega. In addition to viewing the quality of light from our manor and from the green belt which overlooks the street, we have strolled and driven by all of the test fixtures numerous times.</p> <p>We would offer the following observations:</p> <p>Fixture A - a brutal, almost blinding quality of light when driving or walking by. The fixture has no cutoff surrounding the light source and the cobra-head style of the fixture has no relationship to the timeless style and quality of the Village’s original cone fixtures.</p> <p>Fixture B - undoubtedly the best light quality as it achieves a pleasing compromise between lighting the pedestrian way and the adjacent street (without spillover to the front yards and green belts). The light is directed downward (not outward as with Fixture A) and the multiple smaller LED lights cast more than an adequate amount of illumination without the utilization of an extremely bright light source.</p> <p>The fixture also plays off of the classic inverted cone- shaped fixture that is such a friendly and iconic element of our neighborhoods.</p> <p>Fixture C - although it retains and respects the original design qualities of the cone fixtures, the LED light is of such a greater magnitude (due to the larger and limited number of light sources) that it again creates a hot spot that is not at all pleasant to one’s eye. A cutoff application may reduce the intensity of the light source.</p> <p>We appreciate the opportunity to comment and would welcome participating in further reviews or discussions.</p>
Hanne Booth	<p>I am not sure who I should contact just to let you know that I went past the trial lightening options and would like to vote for option C.</p>
Ray Ouellette	<p>All 3 are definitely much better than our current street lights, so I am looking forward to the switch!</p> <p>I walked Sosiega Ave. on Saturday and Sunday evening to observe the new lights. From a walking perspective, Option C is better because there is enough light to see the sidewalk from either side of the road, i.e. whether the street light is on your side of the street or the other. Option A does not appear to provide enough light on the opposite side of the street. Option B seems to provide some light but it is not dispersed as well as Option C.</p>
Stephanie Irving	<p>After seeing all three sample street lights on Sosiega, I vote for “C”. They are bright and the cover is sufficient enough to shield the direct light from the drivers vision.</p> <p>The “A” lights shine in drivers’ view and could be a potential hazard to drivers with night vision problems. In addition, they are so bright</p>

	they will produce too much light in the windows of close by residences. Thereby creating more issues.
Craig Pardoe	We definitely prefer B. We would like no change behind our house but A and C would be offensively bright. Please be considerate of how increasing the brightness could impact residents homes. Unfortunately it is not only the streets that are illuminated but could also be residents bedrooms interfering with sleep.
Pattie Miles	We took a look at A,B & C. We felt C was the best option.
Nadine LeVier	My husband and I felt that style c gave off the most light
Christina Chen	We prefer option A
Patricia Hayes	We reviewed the lighting choices and think that option C is the best one.
Bea Donatelli	Two more votes for B. Or C in that order. Both are really bright and very nice.
Sheri Candeletta	I vote for B. The light is a soft color and still gives enough light. Other two are too harsh.
Diane Phelps	I found A to be hazardous because the light shined in my eyes as I was driving. I found B and C to be much less distracting.
Larry Delira	C seemed to cover a slightly greater distance of sidewalk than B so it would be my first choice, but either is a much better choice than A. I am providing feedback on the ongoing street lighting test being conducted in Third Mutual to convert fixtures to LED technology. I would also like to add that whichever fixture is ultimately decided upon, the lighting will be greatly improved. Group A - Cobra head fixtures: I like this option but I think it might take away from mostly uniform look of our community as this fixture is most common on major streets outside of the community. Group B - New Mushroom head fixture: I like the look because it retains the current look of our existing lights, but with a fresh updated look. Group C - LED retrofit: The lighting on the retrofit appeared to be brighter than the new mushroom fixture which I would support. However, some of the existing mushroom head fixtures in the community are either dented or appear to be lopsided. Did not see a pole marked 'C' but two with 'B' ... Really like 'A' and particularly that all had white bright lights and not the sort of yellowish types we currently have. We need these brighter lights as streets/walkways are too dark. Also we have reported our street light on Luz Del Sol (near the mailboxes) that are covered by the tree that is way overgrown (tree should be taken out to begin with). Our area very dark and my neighbor has already fallen when she went to get her mail one night (she works and comes home later). 1. What Kelvin and wattage are the lights in A, B and C? C appears to have the best dispersion but the light glare is disturbing. 2. There are 6 different street pole heights in the community. Where can we see the effects of different heights given the three different fixtures? 3. Where will I be able to see the effects of using these different light fixtures in cul-de-sacs which are much narrower than Sosiega?
Bert Moldow	

	<p>The solar light installed on Faro has better light dispersion and does not have the glare observable in any of the pilots. Does that fixture come with A/C power? Can it be mounted on an arm?</p> <p>Viewed the lights while driving car. Really need to walk to see the results. Could not find the D lights</p> <p>The A lights are the brightest and I assume the most expensive. Could not notice the difference in the looks for B and C.</p> <p>We believe that Option B is insufficient to light the sidewalks effectively, because it casts light upward which will shine in windows and it casts light out to the street.</p> <p>Option A casts a harsh light.</p> <p>Option C seems the most effective in lighting necessary areas.</p> <p>Option C: LED retrofit fixture using the same mushroom head fixtures</p> <p>Please be advised that I like Option B the best. I live at Calle Sonora 3024 C</p> <p>I walked by the street lighting area. At first I thought there was something wrong with the "B" samples. The area that was lighted seemed to be misaligned. It seemed the light was mostly on the street and not as much as the sidewalk.</p> <p>Lights A and C seemed brighter, with C being the brightest.</p> <p>When driving through the same sections a couple of days later, the B section seemed better, but still the C section was the best.</p>
Bill Tilley	
Sharon Gehman	
Gulshan Bhada	
Catherine Bunn	
Bert Dubois	
Rena Chin	
Burt Baum	<p>Personally, all three lights appear to illuminate similarly. My husband and I agree that we like the esthetics of A over the other two that look like just lamp posts.</p> <p>After a cursory inspection from my car, these are my impressions. They all looked brighter and were very close in performance. I give the edge to A. None of them seemed to brighten the other side of the street to a great extent.</p>