



Memorandum

TO: HONORABLE MAYOR AND
CITY COUNCIL

FROM: Hans F. Larsen

**SUBJECT: SPONSORED TRAVEL TO
CHINA FOR GLOBAL SUMMIT
ON LED STREETLIGHTING**

DATE: 04-18-11

Approved

Date

4/18/11

RECOMMENDATION

1. Accept invitation from The Climate Group to participate in a global summit on LED lighting, including streetlighting, in Shanghai, China from May 9 to May 13, 2011.
2. Approve travel to China for Amy Olay, Senior Engineer in the Department of Transportation as the City's official staff representative at the summit meeting.

BACKGROUND

The City of San José is gaining increased national and international attention as a leader in environmental sustainability and clean tech innovation, based on the bold programs and policy leadership described in the "San Jose Green Vision" plan adopted in 2007. One of the Green Vision initiatives is to reduce the energy consumption of the City's streetlight system. In this regard, San Jose has established itself as a leader in facilitating the development of new "smart" streetlights that use energy efficient LED lights and adaptive control systems that allow for the dimming of streetlights in late evenings for greater energy savings. San Jose's smart streetlight program has produced a number of significant accomplishments as noted below:

- San Jose is the first US city to demonstrate dimmable streetlights (in 2008).
- San Jose is the first US city to employ adaptive design guidelines for dimmable LED streetlight installation and operation (adopted by City Council in February 2011), following a comprehensive testing of visibility, safety, community preferences, and night sky impacts.
- San Jose hosted the California Street Light Association (Cal SLA) conference in May 2010 and partnered with Cal SLA to petition the California Public Utilities Commission to establish new PG&E billing rates for adaptive LED lights.
- San Jose has secured grant funds to install approximately 2400 adaptive LED streetlights. This will be the largest such installation in the US.
- San Jose Department of Transportation staff chairs the Streetlighting Controls Task Force of the Municipal Solid State Lighting Consortium.

- San Jose's LED lighting program has generated positive national media coverage in the New York Times and Wall Street Journal, and City staff has provided demonstrations of the San Jose system to international visitors from China, India, Europe, Australia and Canada.

Based on San Jose's leadership and experience with adaptive LED streetlighting technology, The Climate Group has invited a San Jose official to participate in an international "Green Lighting Summit" and exposition to be held in Shanghai, China on May 9 to May 13, 2011. Attached is a flyer for the summit and a letter inviting the San Jose's participation. All City staff travel expenses, having an estimated value of approximately \$4,000, will be funded by The Climate Group.

ANALYSIS

The Climate Group is an independent, not-for-profit organization working internationally with government and business leaders to advance smart policies and technologies to cut global emissions and accelerate a "clean industrial revolution." The Climate Group is qualified as a 501 (c)(3) organization, with its office in New York City. The headquarters of The Climate Group is based in London, UK, where the organization is registered as a charity.

The Green Lighting Summit will provide an opportunity to learn about performance results coming from more than a dozen global LED lighting programs. A related Green Lighting China Expo will provide demonstrations of new technologies, including wind and solar powered streetlighting. Among the stated goals of the summit are to advance acceptance and market readiness for LED and smart lighting control products in municipal applications by:

- Sharing performance information from global trials.
- Identifying strategies and financial options for undertaking large scale LED replacement in streetlighting and parking area projects.
- Exploring technology options for controlling LED streetlights to permit dimming, data gathering, and remote management of lighting assets.
- Promoting dialogue among major government players on the policies needed to accelerate a market transition to LED lighting technology.

The Green Lighting Summit and Expo has become an annual event in Shanghai, China, since 2007. The event has attracted scientists, industrial leaders, government officials, designers and investors. Last year the event attracted over 700 participants. In addition to San Jose, other countries and cities invited to the summit to share case studies include: China, Australia, Germany, United Kingdom, India, Japan, Korea, Taiwan, Toronto, New York, and Los Angeles. The Summit event is a private gathering of government officials and non-profit partners from The Climate Group and the China Solid State Lighting Alliance. The Expo event is a trade show representing LED lighting industry businesses.

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City participation at the Green Lighting Summit is expected to have significant benefits for San Jose's adaptive LED streetlighting program, and for achieving the Green Vision goal of reducing energy and maintenance costs for San Jose's 62,000 streetlights (having a current expense of \$6 million annually). Specific benefits from the summit include opportunities to advance strategies for financing San Jose's streetlight conversion efforts, to enhance future grant funding efforts, to learn about new developments in LED streetlights and renewably powered lights, and to elevate San Jose's leadership on clean tech and sustainability issues.

Amy Olay, Senior Civil Engineer, in the Department of Transportation has been selected to be the City's representative at the summit. Ms. Olay is the project delivery manager for the City's LED streetlighting program.

Pursuant to San Jose Municipal Code Section 12.08.030 (I), sponsored travel and expenses of a designated City employee do not constitute a prohibited gift under the City's gift ordinance, but international travel must be accepted by the City Council. In addition, travel outside the United States is permitted under the Political Reform Act and not subject to the gift limits if the travel meets two prongs under Government Code Section 89506(a)(2). First, the travel must be reasonably related to a legislative or government purpose; second, the travel must be provided by, among other entities, a nonprofit charitable organization which exempt from taxation under Section 501(c)(3) of the Internal Revenue Code. The payments must be reported by Ms. Olay on her Form 700 and may subject her to disqualification for 12 months after the date of the payments if The Climate Group ever comes before the City for business. (FPPC Regulations § 18950.1.)

COORDINATION

This memorandum was coordinated with the City Attorney's Office.

CEQA

Not a project, File No. PP10-069.

/s/

HANS F. LARSEN
Director of Transportation

For questions, please contact Hans Larsen, Director of Transportation at (408) 535-3835.

Attachments



LED GLOBAL PARTNERS SUMMIT 2011

May 9 – May 13, 2011 | Shanghai, China

HELD IN CONJUNCTION WITH GREEN LIGHTING SHANGHAI 2011 AND IN COLLABORATION WITH THE CHINA SOLID STATE LIGHTING ALLIANCE

°C 气候组织
THE CLIMATE GROUP



SUPPORTING PARTNER

HSBC 
The world's local bank

LightSavers is an international consortium of lighting users that seeks to speed up acceptance of LEDs and smart control technologies in outdoor lighting applications such as streets and parking areas. In its first phase, the initiative is undertaking a global trial of LED technologies with 10 cities in the U.S., Canada, the U.K., China, India and Australia. These involve rigorous pilot testing of LED products to determine how they perform over a year and more under local weather conditions using a common testing protocol.

Trials have already been installed in nine partner cities: Adelaide and Sydney, Australia; Guiyang, Tianjin, and Yangzhou, China; Hong Kong, New York, U.S.; Kolkata, India; London, U.K.; and Toronto, Canada. Additional trials will begin early in 2011 in Mumbai, India.

In order to build the consortium partners' knowledge of the LED market and technical performance—and to enhance their capacity to bring the technology to scale in their cities—TCG is organizing the LightSavers Global Partners Summit to be held in conjunction with the Green Lighting Shanghai 2011 event scheduled in Shanghai, China, May 11–13, 2011 that is organized and hosted by the China Solid State Lighting Alliance <http://en.china-led.net>.

The Summit will convene the LightSavers consortium partners worldwide, including China, as well as senior government officials from countries that are strongly supporting LED development and deployment. The key aims of the Summit are to advance acceptance and market readiness for LED and smart lighting control products in municipal applications by:

Sharing performance information from global trials:

- Identifying strategies and financial options for undertaking large scale LED replacement in street lighting and parking area projects (assuming trials demonstrate satisfactory performance).
- Exploring technology options for controlling LED streetlight and parking area deployment to permit dimming, data gathering, and remote management of lighting assets.
- Promoting dialogue among major government players on the policies needed to accelerate a market transition to LED lighting technology.

The Summit will be organized into three parts:

1. A two-day private workshop of LightSavers consortium partners to share trial results and discuss their LED scale-up strategies, with a focus on scale up strategies and financing options;
2. Attendance at public sessions at the Green Light Shanghai 2011 event, including: (a) an international half-day forum of LED government agencies attending the Green Lighting Shanghai 2011 event to share information on their LED roadmaps and policies, and (b) an afternoon session on smart controls and street and area lighting;
3. A one-day field trip to Yangzhou, a LightSavers partners, to visit a large LED streetlight installation and learn about Jiangsu's Province's LED policy, promotional, and industrial strategies.

In sum, the LightSavers Global Partners Summit will assemble the world's leading municipal, state/provincial/regional, national, and corporate leaders who are committed to bringing LEDs to scale. The Summit will advance international dialogue on government policies and financial solutions needed to fuel a fast growing market.

Philip Jessup
Head of International Lighting
The Climate Group



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April 18, 2011

Mr. Hans Larsen
Director of Transportation
City of San Jose
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California 95113

Dear Mr. Larsen:

We are pleased to invite the City of San Jose to send a representative to attend the **Green Lighting Shanghai Forum 2011 (GLSF2011)**, May 11 - 12, 2011 in Shanghai, China and to speak on a panel entitled, *Smart Controls, Lighting, and Smart Cities*, to be held on Thursday, May 12, 1:00 - 4:30 PM at INTEX China near the Galaxy Hotel.

Green Lighting Shanghai 2011 (GLS2011) is co-hosted by the China Solid State Lighting Alliance and Reed Exhibitions China. It is dedicated to developing the applications of new lighting technology and the combination of new lighting technology and new energy. Since it started in 2007, the Green Lighting Shanghai annual event has dedicated itself to building a useful international platform for scientists, industrial leaders, government officials, designers and investors to network and share insider insights. Last year, GLSF2010 attracted over 700 participants. This year, GLSF2011 expects a larger audience.

The Climate Group is an independent, not-for-profit organization working internationally with government and business leaders to advance smart policies and technologies to cut global emissions and accelerate a clean industrial revolution.

In the United States, The Climate Group is qualified as a 501(c)(3) organization, with its office in New York City. The headquarters of The Climate Group is based in London, U.K., where the organization is registered as a charity. **LightSavers** is a consortium of 12 global cities working together to accelerate the use of LED lighting in outdoor applications. Consortium partners were pleased to visit San Jose last September to learn more about the LED trials that San Jose has undertaken. The LightSavers partner cities will also be attending GLSF2011.

HSBC, an international bank, is the primary sponsor of the LightSavers initiative and this summit through a five-year grant it has made to the organization as a part of its Climate Partnership with The Climate Group, Earthwatch Institute, Smithsonian Tropical Research Institute, and WWF. Here is a recent report on this partnership: www.hsbc.com/1/2/sustainability/hcp-2010. To my knowledge, the HSBC London-



based sustainability program unit that funds The Climate Group is not connected with any lighting companies. Subsidiaries of HSBC in some part of the world may very well have made debt or equity investments in lighting companies. If so, it would be difficult for us to ascertain, as companies such as HSBC tend to keep such investments confidential.

In addition to participating in the Forum, a representative of the City of San Jose is also invited to attend the private sessions of LightSavers city partners on Monday and Tuesday, May 9 - 10, to be held at the Anting Villa Hotel in the Xuhui District. Your representative would have an opportunity to learn about the performance results coming from 20 LED trials around the world, some of which have now passed the one-year milestone. Your representative will be welcome to participate in the discussion as you wish. Indeed, the LightSavers partner cities will be interested learning more about progress on LEDs since their visit to San Jose last September.

The agendas for GLSF2011 and for The Climate Group's Partners Summit (which includes GLSF2011) are enclosed for your interest.

All of the City of San Jose representative's travel expenses will be covered by The Climate Group (TCG), whose main sponsor is HSBC. TCG's source of funds is a five-year HSBC general support grant to the organization, as indicated above.

It should be noted that TCG is trying to raise some additional donations from several lighting companies to help cover costs of the private sessions on May 9 and 10, but none have yet committed. If we do receive donations from one or more companies, their sponsorship will be public, and we will follow rigorous guidelines regarding their potential observer status at the event. For instance, they will not be invited to participate in private sessions in which there is any discussion of lighting products or performance of products in the trials that the LightSavers partners have undertaken.

Thanks very much for your interest and your support. We look forward to San Jose's participation in the event.

Yours sincerely,



Philip Jessup, Director, International lighting
The Climate Group