
CSFN NEWS



Can San Francisco Become 100% Energy Efficient?

Today, there is an increased desire to become more energy independent. This is a noble idea but where do we have the extra space to increase energy with solar panels. Although the City does provide incentives to install solar panels on a roof, there are many obstacles to do that. First, the panels must be placed on a sound roof that will not need replacement for many decades in the future. Many roofs have poor aspect because

Using fallow fields to generate solar power is not the best use of pristine land.

other buildings cast shadow on a potential solar panel. Then too, the aspect of the sun should be with south or west exposure, since light from east or north exposure is less intense.

WHERE IS SURPLUS ENERGY LOCATED?

The solution? More surfaces are available for solar energy in San Francisco right under our feet. The answer is solar roadways, parking lots, sidewalks, driveways, athletic courts and bike paths which could be lined with solar panels.

Recently, even the aqueducts leading water to southern California were considered as a place to have solar panels floating on the water underneath—with an added advantage because evaporation would be minimized with solar panels lining the top of the water.

Today, when we think of developing solar energy, we think of building these solar farms on pristine land. However, with solar roadways, there would be no waste of land that could be used for other purposes. Scott and Julie Brusaw invented solar roads in 2006. The U.S. Department of Transportation, especially the Federal Highway

Administration, has provided and built solar roadway prototypes. Now, municipalities like San Francisco could showcase this technology and make it more popular with the construction of solar panel installations in school yards and parking lots for example.

Electric cars of the future could be propelled while driving using electric induction, never requiring charging again.

HOW MUCH ENERGY IS AVAILABLE?

Ideally, solar roadways could provide all the clean energy we need for transportation in the future. It has been estimated, that if all the

roads in America were converted to solar roadways, this would provide three times the amount of energy that is currently used today. Now, imagine how many good paying jobs could be created by such a conversion.



The use of solar panels in school yards could be the best way to introduce this technology to San Francisco.

Electric cars of the future could be propelled while driving using electric induction. This would mean the electricity present in a solar road could power vehicles by just being in the presence of the electrical power underneath the vehicle. Imagine the joy of having a [vehicle](#) that never needs to “gas up.”

WHAT ARE THE USES OF THIS IDEA?

On the east coast, the solar panels could allow heat from the panels to cause the roads to be just warm enough to have roadways never blocked by snow. This would provide safer roads and eliminate the use of salt which hastens the deterioration of cars and not to mention, the serious negative effects on aquatic ecosystems in marshes, streams, and lakes that lie alongside many roads.

These solar panels can be programmed to create warning signs on roads and could eliminate the need to paint or stripe roads in the future. The solar panels can be programmed in many ways to provide an athletic field for basketball one minute and then transform the field into a volleyball court the next. Also, these solar panels are pressure sensitive and can determine if a tree or a landslide has fallen on a roadway up ahead, warning drivers in a timely fashion.

The use of solar panels in school yards would be the best way to introduce this technology to San Francisco. In urban schools, where space is limited, and different age groups must exercise at different times for safety reasons; it makes sense to have solar panels display a playground for kickball at one recess period for older children and then display a play surface for “four-square” for younger children at another recess. This is possible because there is so much versatility in the striping of solar panel lighting technology.

San Francisco already needs to underground both its electrical and telephone wires. That wiring could be moved out of sight as solar roads are installed. This is because the infrastructure of solar roads requires an adjacent tunnel for the panels to operate smoothly. It is here that telephone and electrical wires could be inserted alongside solar panel wiring throughout the City.

CRITICISM OF SOLAR ROADS

Solar roads constructed in France quickly failed and needed to be removed. In contrast, ten years ago China designed a [solar road](#) with transparent concrete which is still serving 45,000 vehicles.

Most roads in America are made with asphalt which compresses slightly when heavy vehicles drive over them. These heavy vehicles could snap brittle solar panels

on American roads, while Chinese roads which are built of concrete are less likely to compress.

A NEW TYPE OF SOLAR BATTERY

One of the biggest complaints of solar energy is that it is only available in the daytime. However, researchers have found another type of solar battery which does not use lithium. This solution elevates water in a tube or container in the daytime and then at night, as the water falls or drains, its movement provides energy at night. This could correct the problem of no solar energy during the nighttime.

Critics complain that the use of solar roads to melt snow worked but quickly depleted the panels of energy. Since these panels are connected to an electric grid, is it not possible that an external electric source could be connected to the panels to melt snow when necessary?

FUTUROLOGIST PREDICT ROADS AND CARS WILL BECOME OBSOLETE

In the future, it is predicted that drones will provide transportation for people and delivery of cargo. Such drones will need to communicate with each other to avoid collisions. “Smart” [aircraft](#) like this will reduce accidents and free commuters from wasted time in long traffic jams, greatly improving our quality of life. It will make the roads we use today as relevant as the “horse and buggy.” Why not anticipate this change and begin to consider solar roads today?

While some difficulties may be anticipated at the outset, when solar roads are successfully installed, we will be within the reach of the goal of a 100% energy efficient City.

MOVIES ABOUT SOLAR ROADS

[Idaho-based Solar Roadways](#) is hoping to build solar-powered roads that will not only provide power, but will also create digital driving surfaces that can be remotely controlled.

[Solar Freakin Roadways](#)

- *Glenn Rogers, Vice President CSFN, Editor of CSFN Newsletter,*



FROM THE PRESIDENT'S DESK; OPENINGS OR "AWAKENINGS"?

We are caught up in a flurry of speculation about opening up the City: businesses, schools, sports programs and other venues. Some voice concerns: only if vaccinated? only if in the open? with masks? maskless? Some can't wait: open up everything now! A few say not so fast: we're not ready to be inside, with others, without social distancing. Some will not readily leave sheltering in place in the near future, or may not until a more distant one...

It sometimes seems reminiscent of the movie "Awakenings". A doctor in an asylum gives patients who seem

catatonic a drug to affect changes, and they become "woke". They reintegrate with their surroundings and seem to thrive again to a greater or lesser extent. Sooner or later, however, they wind up being withdrawn again. It is almost like those Covid19 patients who survive with defects after the disease: long haulers with symptoms like PTSD. Also it might be a warning to all of us that with super spreading might occur in the future, with vicious variants causing looming lockdowns.

So which choices should we make? It's complicated: should we have public meetings at Northern Station in July, stick to Zoom ones, or see if we can have hybrids, both physical and virtual? We need to choose: not deciding is not an option. And when we do unmask ourselves, should it be more than a physical one? Shouldn't we endeavor to shed those attitudes and behaviors that distance us from our fellow citizens to the detriment of us all? Time will tell...

- Charles Head, President CSFN



TENTATIVE AGENDA FOR CSFN GENERAL ASSEMBLY ON JUNE 15, 2021

- I. SIGN IN AND ANSWER POLL.
- II. CALL TO ORDER;
 - A. QUORUM
 - B. APPROVE AGENDA
- III. PROGRAM: CITY OFFICIAL TO BE DETERMINED. TALK AND Q&A.
- IV. SPECIAL ORDER; INAUGURATION OF OFFICERS FOR 2021-22. SPECIAL GUEST; BOARD OF SUPERVISORS PRESIDENT SHAMANN WALTON.
- V. APPROVAL OF DRAFT MINUTES FOR MAY 18 2021 MEETING
- VI. OFFICERS REPORTS (IF NEEDED)
 - A. PRESIDENT
 - B. VICE-PRESIDENT
 - C. RECORDING SECRETARY
 - D. CORRESPONDING SECRETARY
 - E. TREASURER
- VII. COMMITTEE REPORTS (IF NEEDED).
 - A. EXECUTIVE
 - B. BYLAWS
 - C. LAND USE AND TRANSPORTATION
 - D. GOVERNMENT AND ELECTIONS
 - E. OTHER
- VIII. UNFINISHED BUSINESS
- IX. NEW BUSINESS
- X. ADJOURNMENT

Charles Head, President CSFN



CSFN EXECUTIVE COMMITTEE MINUTES

Wednesday, May 26, 2021 / 5:30 PM / By ZOOM

Glenn Rogers, Charles Head, Greg Scott, Cindy Beckman, Mari Eliza, Al Fontes, Clair Zvanski, George Wooding, and Mary Harris. Excused Richard Frisbie

- 5:30 pm I **Call to Order/Quorum.**Met ZOOM host Glenn Rogers
- 5:31 pm II **Officers Reports**
- A. President:, Attended an AAPAPA meeting
 - B. Vice President,
 - C. Recording Secretary, draft Minutes in newsletter.
 - D. Corresponding Secretary. Will visit post office this week.
 - E. Treasurer: Report available for those that ask
- 5:42 pm III **Committee Reports**
- A. Executive Committee, Items discussed at the GA are not to be repeated at Excom.
 - B. Land Use and Transportation, See in Newsletter.
 - C. Government and Elections no report.
 - D. Bylaws, Agendas now to be approved at start of meeting.
 - E. Nominating Committee concluded.
 - F. Open Space, Goats are available for weed abatement. See Bay Nursery for more information.
- 5:47 pm IV **New Business**
- A. Next Program, Carmen Chu
 - B. Next article ? Carolyn Kenady;s article. Anyone is allowed to provide an article. It has been suggested to have Ex. review articles. Editor complained of excess time
- Comm required.
- 6:07 pm V **Unfinished Business**
- A. The Conversation Continues, Money raising activities need to be considered for CSFN since dinners likely to not be as successful in future.
 - B. Recruitment, Sutro Towers or Christine Linnenbach
- 6:28 pm VI **Adjourn**



Glenn Rogers, CSFN Vice President

CSFN GENERAL ASSEMBLY MINUTES

Wednesday, May 18, 2021 / 6:30 PM / Hosted by CSFN on ZOOM

- I. CALL TO ORDER:** President Head called meeting to order at 6:37 p.m.

- II. SIGN-IN & ENTRY POLL:** Quorum confirmed with a total of 18 attendees.
 - A. 11 eligible member organizations present (11 delegates + 1 alternates)
 - B. 3 ineligible member organizations present (dues not paid)
 - C. 3 guests

- IX. ANNOUNCEMENTS:** Guest Jean Barish gave an update on City College of San Francisco, and thanked member organizations for sending letters of support.

- IV. PROGRAM:** Guest Richard Drury discussed proposed SB-37 Contaminated Site Cleanup and Safety Act and local sites on the “Cortese List.”

- V. OFFICER’S REPORTS**
 - A. **PRESIDENT:** BOS proposing election of City Attorney to coincide with state recall election. SF Land Use Committee held a hearing about Rec & Park Department’s reimagining of Twin Peaks – without residents input.
 - B. **VICE PRESIDENT:** Showed site suggestion for UCSF medical campus in Mission Bay.
 - C. **RECORDING SECRETARY:** April 2021 General Assembly Meeting Minutes presented in the newsletter. No additions or corrections made – **minutes accepted without objection.**
 - D. **CORRESPONDING SECRETARY:** P.O. Box picked up, checks will be forwarded to the Treasurer.
 - E. **TREASURER:** Savings \$3,015.99 | Checking \$16,365.08 | CD \$40,263.48 | Total Assets \$59,644.55. Second P.O. Box closed.

- VI. COMMITTEE REPORTS:**
 - A. **EX COMM:** (Glenn Rogers) Request to consider in person meeting schedule.
 - B. **LAND USE & TRANSPORTATION COMMITTEE:** (Mari Eliza) No report.

C. GOVERNMENT & ELECTIONS: (George Wooding) Minutes in newsletter. Discussed mayor's appointment of City Attorney and effect on upcoming election for replacement. Recorder Assessor will also be on ballot.

VII. ELECTION OF OFFICERS: Nominations slate published in May newsletter. Motion made to elect the full slate of uncontested nominees by acclimation. **Without any objections, the motion passes and the slate is elected as nominated.**

VIII. UNFINISHED BUSINESS:

A. CONVERSATION CONTINUES:

1. Reminder of call for Civil Grand Jurors.
2. Request that agenda follow Roberts Rules of Order and that reports address the business of the organization.
3. East side organizations should be invited to join the organization.

B. SF SAFE SLEEPING SITES LEGISLATION UPDATE: Tabled in committee.

IX. NEW BUSINESS:

A. LETTER REGARDING SB-37: Kathy Howard (SPEAK) has asked for CSFN's signature support on a letter to the SF Planning Department asking for their support of SB-37 and its application to contaminated city sites. Membership requests that the letter be published in the newsletter for review at the next General Assembly meeting.

B. NEWSLETTER: Glenn Rogers recommends that he write the next lead article for continuity as editor. Issue will be discussed in ExComm.

C. STATE LEGISLATION REVIEW: (Eileen Boken) CSFN took position to oppose SB-9 and SB-10. Both are in Senate Appropriation Committee. SB-215 also in Appropriations. State legislative focus until June 15 is on the state budget.

X. NEXT MEETING:

A. JUNE GENERAL ASSEMBLY: Tuesday, June 15 at 6:30 p.m. on Zoom.

IX. ADJOURNMENT: At 8:10 p.m.

- *Cindy Beckman, Recording Secretary*



CSFN LAND USE AND TRANSPORTATION MINUTES
Wednesday, June 2, 2021 / 4:30 PM / Hosted by Mari Eliza ZOOM
Streets Town Hall

CSFN members who attended: Glenn Rogers, Mari Eliza, Al Fontes, Karen Breslin, Brabara Heffernan, and Eileen Boken. Chris Diprima, with San Francisco Motorist's Union hosted the meeting and helped compile the notes. Bob Planthold, Howard Chabner, Charles Perkins, and JJ Hollisworth, shared information about the complaints filed and petitions they have started to open the Great Highway and JFK Drive in Golden Gate Park. Guests who had done a lot of research shared what they found. Everyone seemed eager to do more to open the streets.

Action items:

1. Support the petitions: <https://www.discoveryink.net/wp/petitions/>
2. We asked attendees to send us their ideas for opening the streets and we will share in an attached file as the list is quite long.
3. We will be reaching out to the members who were in attendance as we consider writing letters of support for the opening of the streets and request letters from our member organizations.
4. I will be talking to merchants and fire department personnel and reporting back on those conversation.

Two meetings so far next week on opening the streets:

1. Tuesday, June 7, SFCTA, 10 AM – budget \$200,000 for equity study on street closure
 2. Thursday, June 10, Joint meeting with Recreation and Park and SFMTA to introduce their concept for Great Walkway.
- *Mari Eliza, Chair Land Use and Transportation*



MEMBERSHIP RENEWAL FORM

NAME OF MEMBER ORGANIZATION _____

Mailing Address _____ SF 941 _____ Email _____

CURRENT OFFICERS:

President	Address, City, ZIP	Email	Phone
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Secretary	Address, City, ZIP	Email	Phone
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Other Officer	Address, City, ZIP	Email	Phone
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CSFN DELEGATE:

Name	Address, City, ZIP	Email	Phone
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If your organization has alternate CSFN delegate(s):

Name	Address, City, ZIP	Email	Phone
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Name	Address (with ZIP)	Email	Phone
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DUES & DONATIONS

CSFN annual membership dues are \$45.

Organizations wishing to include an additional donation to CSFN are encouraged to do so.

**Make check payable to "CSFN" and mail to:
Greg Scott, CSFN Treasurer, 637 Noe Street, San Francisco, CA 94114**

CSFN Membership Certification: CSFN Bylaws (Article II, Section A-G) require each voting member organization to certify that it has a membership of 35 or more in order to maintain voting privileges. Organizations not having the required membership may retain membership as associate members without voting privileges at CSFN's sole discretion.

I confirm that we are renewing as a:

Member Organization with 35 or more members

Associate (non-voting) Organization - number of current members: _____

_____	_____	_____
Certifying Signature	Print name/Position	Date