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CLEAN COALITION

Making Clean Local Energy Accessible Now

Community Update | August 22, 2012

Dear Clean Coalition Friends,

Since the last newsletter, the Clean Coalition has been actively advancing clean local energy through long-standing and new initiatives.

The nationwide Clean Local Energy Accessible Now (CLEAN) movement continues to gain momentum, as [Long Island adopts a new CLEAN Program and the CLEAN LA Solar Program expands](#). On the CLEAN legislative front, two important bills are closer to [becoming law in California](#). Also, an updated version of the Local CLEAN Program Guide [is now available](#) on the Clean Coalition website to better support utilities and communities in evaluating, designing, and implementing CLEAN Programs.

In addition, the Clean Coalition has a number of exciting new initiatives underway. First, the Distributed Generation + Intelligent Grid (DG+IG) Initiative has [started strong](#) and is on pace to achieve impressive results this year and next. Second, the Clean Coalition will soon be rolling out a [new campaign](#) to bring 5 gigawatts of clean local energy to California by 2016. Lastly, the Clean Coalition's work through the U.S. Department of Energy (DOE) SunShot Initiative will help [streamline interconnection procedures](#) across the country.

In this month's newsletter:

- [Updated Local CLEAN Program Guide now available](#)
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As always, thank you for supporting the Clean Coalition and its pursuit of making clean local energy accessible now.

Sincerely,
Craig Lewis

Updated Local CLEAN Program Guide now available

An updated version of the Local CLEAN Program Guide ("the Guide") is available for [free download on the Clean Coalition website](#). The improved Guide includes new information and tools for assisting utilities and communities that want to evaluate, design, and implement CLEAN Programs.

Since the original Guide was published in June 2011, a growing number of utilities across the country have implemented CLEAN Programs. The updated Guide contains the latest best practices from recent CLEAN Programs, including the use of Volumetric Price Adjustments to maintain the appropriate fixed price for new renewable energy contracts over the duration of a CLEAN Program.

Connect



In the News

[Bill Clinton: fan of solar feed-in-tariffs thinks we should "get" the clean energy tattoo | PV-Tech | August 21, 2012](#)

Bill Clinton embraces distributed generation and argues for smarter energy policy in the U.S.

[Locals aren't buying Palo Alto's newest green-energy program | Palo Alto Online | August 19, 2012](#)

Palo Alto may be land of the green and home of the tech-savvy, but the city's latest renewable-energy program has so far failed to achieve even a spark of participation from local customers, forcing officials to go back to the drawing board.

[Palo Alto, Calif. Had a Solar Feed-in Tariff and Nobody Came | Greentech Media | August 2, 2012](#)

The fixed prices set by Palo Alto's CLEAN Program have presented a challenge: if the price of a program is set too low, there is often a lack of enthusiasm by developers to build marginal projects.

[Long Island Power Authority Approves Feed-in Tariff | Clean Energy Authority | July 5, 2012](#)

The Long Island Power Authority recently approved New York's first CLEAN Program for solar energy.

[LIPA Launches Feed-in Tariff Program for Commercial Solar Energy | Examiner | June 29, 2012](#)

The Long Island Power Authority



Local CLEAN Program Guide

Module 1: Overview & Key Considerations



Additionally, the Guide now features new examples to highlight the most effective methodologies for conducting essential program analyses, such as determining the ideal program size and measuring ratepayer impact. This improved step-by-step

guidance makes CLEAN Program evaluation, design, and implementation easier than ever before.

Long Island adopts new CLEAN Program; CLEAN LA set to expand

Across the nation, the movement towards clean local energy continues to gain momentum as utilities in New York and California seek increased generation from distributed renewables.

On June 28, the Long Island Power Authority (LIPA), which serves over 1 million customers, approved its CLEAN Solar Initiative to bring 50 megawatts (MW) of local solar energy generation online within two years. The CLEAN Solar Initiative — the largest program of its kind by any utility on the Eastern Seaboard — will advance New York Governor Andrew Cuomo's NY-Sun Initiative goal of quadrupling customer-sited solar energy in New York State by 2013.

Meanwhile, the Los Angeles Department of Water and Power (LADWP) announced that by the end of the year the utility will expand the CLEAN LA Solar Program to 150 MW of renewable energy capacity. LADWP received a strong response to the initial 10 MW CLEAN demonstration program, which launched earlier this year. The utility plans to use information gathered during the demonstration program to fine-tune pricing, and other aspects of program design, to ensure successful implementation of the larger 150 MW program.

These developments highlight the growing trend by U.S. utilities and communities to utilize CLEAN Programs to spur the rapid and cost-effective deployment of clean local energy. In just the last three years, CLEAN Programs have been implemented in Florida, Indiana, Michigan, Vermont, Rhode Island, Maine, Tennessee, Texas, Oregon, Hawaii, and California.

Clean Energy Now Campaign for California

Within the next few months, the Clean Coalition will launch a statewide Clean Energy Now campaign to bring 5 gigawatts of clean local energy to communities across California by the end of 2016. With the support of a broad range of stakeholders, the Clean Coalition will pursue a slate of policy initiatives through multiple avenues.

Bold policy action is necessary to meet California's changing energy demand patterns, replace the state's aging power plants and outdated infrastructure, and create new economy jobs. Recent executive orders by Governor Brown — calling for the electrification of transportation and driving towards zero-net energy buildings — underscore the need to modernize how the state generates, delivers, and consumes electricity. The indefinite closure of the San Onofre nuclear plant and the massive Southern California blackout last September illustrate the vulnerability of California's current centralized energy system. Moreover, California must begin deploying real volumes of renewables if it expects to maintain any global leadership in clean energy and maximize clean tech jobs and investment.



voted to approve a new Clean Solar Initiative structured to provide Long Island with 50 megawatts (MW) of solar energy.

[With Feed-in Financing, Modest Solar Projects for Long Island | New York Times | June 28, 2012](#)

The Long Island Power Authority approved a new program on Thursday to encourage developers to build medium-scale solar projects.

See the Clean Coalition [website](#) for additional news.

Upcoming Events

[August 23, 2012 | "GreenFinanceSF" Commercial PACE Program Webinar | Online Webinar](#)

Join the Efficient Solar Market Partners of Northern California (ESMP) in this webinar as leading industry figures discuss groundbreaking Northern California solar initiatives.

[October 10, 2012 | Biogas USA West | San Francisco, CA](#)

Craig Lewis, Executive Director of the Clean Coalition, will speak on the "Market Overview: Legislation and Policy" panel at the Biogas West conference in San Francisco on October 10 at 9:10 am.

[October 17, 2012 | Solar Sonoma County Forum 2012 | Rohnert Park, CA](#)

Ted Ko, Associate Executive Director of the Clean Coalition, will be participating in Solar Sonoma County's forum. The event will take place from 5:30 - 7:00 p.m. on October 17 in the PG&E and Wells Fargo Conference rooms in Rohnert Park, CA.

California's existing energy policies are insufficient to drive the critical statewide energy transition. Policies, such as net metering and the California Solar Initiative, are close to reaching their capacity limitations. The Renewable Auction Mechanism, Senate Bill (SB) 32*, and other distributed generation procurement programs are much too small to provide real impact, and all of those programs have significant design flaws.

A game-changing, comprehensive, new approach to ensuring efficient deployment of clean local energy is urgently needed. Distributed renewable generation can be deployed now — bringing jobs, private investments, and environmental benefits to California immediately, rather than years or decades in the future.

Stay tuned as the Clean Coalition will formally announce this campaign within the next few months. As always, the easiest ways to stay updated are through the [newsletters](#) and social media channels: [Facebook](#) and [Twitter](#).

* SB 32 is enacted legislation that requires the expansion of California's existing, albeit small, AB 1969 CLEAN Program. Among other things, SB 32 expands the AB 1969 program size from 500 MW to 750 MW of clean local energy and increases the eligible project size from 1.5 MW to 3 MW.

DG+IG Initiative: proving viability of high penetrations of clean local energy

The Clean Coalition is excited to report that its Distributed Generation + Intelligent Grid (DG+IG) Initiative has already attracted utility partners and is on pace to meet its ambitious goal of proving the viability of high penetrations of clean local energy — both from a cost and a technology standpoint.



Through this initiative, the Clean Coalition is working with utilities across the country to develop five DG+IG demonstration projects. Each demonstration project will prove that the distribution grid, within a single substation, is able to get at least 25% of the total electric energy consumed from local renewables, while maintaining or improving grid reliability. These demonstration projects will

highlight the technical and financial feasibility of high penetrations of distributed generation. Additionally, this initiative will rely on streamlined procurement and interconnection procedures, providing clear examples for how utilities can secure local renewable energy in a timely and efficient manner.

The Clean Coalition has already begun working with two utilities — one in California and one in the Southeastern U.S. — to roll out DG+IG demonstration projects in their service territories. The Clean Coalition aims for all five DG+IG projects to be operational by the end of 2013.

Former Founding Director of SunShot Initiative and former CEO of EPRI join Board of Advisors

The Clean Coalition is pleased to announce that [Dr. Ramamoorthy Ramesh](#) and [Kurt Yeager](#) have joined its Board of Advisors. Dr. Ramesh served as the Founding Director of the Department of Energy (DOE) SunShot Initiative. During his two-year stint with the DOE, Dr. Ramesh managed all research and development activities for the agency's Solar Program. Mr. Yeager served as President and CEO of Electric Power Research Institute (EPRI), where under his leadership, EPRI evolved from a nonprofit industry think tank to a national coalition of utilities conducting leading research and development efforts for the electric power industry in the United States and 40 other countries.

[November 12, 2012 | Platts 8th Annual California Power Markets Forum 2012 | San Francisco, California](#)

Ted Ko, Associate Executive Director of the Clean Coalition, will be participating in Platts 8th Annual California Power Markets Forum.

[November 28, 2012 | 4th Power Plants Conference 2012 | Phoenix, Arizona](#)

Craig Lewis, Executive Director of Clean Coalition, will speak at the 4th PV Power Plants Conference taking place on November 28-29 in Phoenix, AZ.

See the Clean Coalition [website](#) for additional upcoming events.

Recent Regulatory Filings

[CPUC | Rule 21 Interconnection Procedures | August 21, 2012](#)

This filing represents the Clean Coalition's reply comments on Distribution Group Study Process, highlighting some differences from other parties' opening comments.

[FERC | SEIA Petition for Rulemaking | August 16, 2012](#)

The filing represents the Clean Coalition's comments on technical conference FERC held on the SEIA petition to, inter alia, allow a supplemental review process for solar projects exceeding the 15% peak load screen.

[CAISO | Flexible Capacity Procurement | August 13, 2012](#)

This filing represents the Clean Coalition's comments regarding CAISO proposal for authority to provide temporary financial incentives for retiring flexible capacity facilities to remain available until sufficient replacement capacity is on line. The Clean Coalition supports the proposal while adding protection against over procurement or subsidies that will inhibit market support for renewable alternatives.

[CPUC | Clean Coalition Compensation Claim | August 7, 2012](#)

Dr. Ramesh — the current Plato Malozemoff Chair Professor in Materials Science and Physics at the University of California, Berkeley — possesses vast experience leading clean energy research programs. His findings have been published extensively, and he has received numerous accolades for his groundbreaking scientific contributions. Mr. Yeager brings more than three decades of experience within the electric power industry to the Clean Coalition Board. As Vice Chairman of the Galvin Electricity Initiative, Yeager works with electricity experts, innovators, and entrepreneurs to create a model electric system that will prove substantially more efficient and reliable than the country's current system.

Dr. Ramesh and Mr. Yeager join a distinguished Board of Advisors, including former Colorado Governor Bill Ritter Jr., Jim Woolsey, Terry Tamminen, Dan Kammen, Amory Lovins, and more than a dozen other energy and policy luminaries. Full biographies for all the Clean Coalition Board of Advisor members are available [here](#).

Developing a Business Practice Manual to improve grid interconnection

As part of the DOE SunShot Rooftop Solar Challenge, the Clean Coalition continues its leadership in grid interconnection reform through a new initiative encouraging utilities to publish a standard Business Practice Manual (BPM).

The first phase of the BPM Initiative calls for utilities to publish current interconnection procedures in a standard format. This will help reduce the 'soft costs' of solar installation by streamlining access to information that is often challenging for solar developers to attain.

Future phases of this initiative will focus on creating a national "gold standard" BPM, which will guide utilities across the country towards better interconnection processes. When the Clean Coalition hosted a webinar explaining the BPM concept in June, a range of groups expressed interest in supporting this initiative. In particular, the Clean Coalition is excited by its partnership with the Solar Electric Power Association (SEPA), which will greatly facilitate efforts to gather national interconnection information.

Accelerating energy storage in California

As part of the Clean Coalition's expanding work to advance forward-thinking Intelligent Grid (IG) solutions, the organization is engaging in the implementation of Assembly Bill (AB) 2514 to ensure the widespread adoption of energy storage throughout California.

AB 2514 — authored by Assemblywoman Nancy Skinner and signed into law by Governor Schwarzenegger in September 2010 — required the California Public Utilities Commission (CPUC) to begin proceedings by March 2012 to determine if procurement targets for cost-effective energy storage are needed in California. The law also calls for investor owned utilities (IOUs) to meet any procurement targets by December 2015. Publicly owned utilities (POUs) are required to open proceedings by March 2014 and to meet any targets by 2016.

The Clean Coalition recognizes that energy storage plays an integral role in transitioning to an energy future characterized by high levels of distributed generation. Energy storage facilitates the local balancing of supply and demand of energy and addresses intermittency issues posed by renewable generation. Moreover, energy storage enhances the reliability and resiliency of distribution grids, and reduces the need for new transmission infrastructure and the massive costs, long timeframes, and contentious environmental issues that are associated with transmission.

The next phase in the CPUC's Energy Storage proceeding will examine various end-uses of energy storage and determine how these end-uses can be incorporated into energy planning on the state and local levels. Regulatory barriers that currently limit the ability of energy storage to compete in various energy service markets — such as ramping and resource adequacy — will also be reviewed for needed policy innovations.

The Clean Coalition will continue engaging in the Energy Storage proceedings to ensure that the true value of energy storage is recognized and that energy storage is able to compete in all relevant energy service markets.

Legislative Update: California CLEAN bills advance in lawmaking process

This filing represents the Clean Coalition's opening comments on the Proposed Decision. The Clean Coalition requested leeway to remedy the lack of an NOI for R.08-08-009 and made a number of arguments in favor of a finding of substantial contribution on various issues.

[CPUC | Southern California Edison Advice 2759-E | August 1, 2012](#)

This filing represents the Clean Coalition's comments on various changes that Southern California Edison wished to make on their submitted Petition for Modification (PFM) adopting changes to the Renewable Auction Mechanism (RAM).

[CPUC | Rule 21 Interconnection Procedures | July 31, 2012](#)

This filing represents the Clean Coalition's comments on the proposed Distribution Group Study Process (DGSP). The Clean Coalition supported PG&E's proposal over SCE's and requested more details on many issues, as well as removed "engineering judgment" as guidance.

[CPUC | Energy Storage | July 30, 2012](#)

This filing represents the Clean Coalition's reply comments reminding parties that possible procurement targets for energy storage are included in the original legislation creating the energy storage proceeding.

[CPUC | Energy Storage | July 20, 2012](#)

This filing represents the Clean Coalition's opening comments on the proposed decision. The Coalition supports the decision's approval of the Energy Storage Analysis Framework and suggest further refinements for Phase II of the proceeding.

See the Clean Coalition [website](#) for additional regulatory filings.

About the Clean Coalition

The Clean Coalition is a nonprofit organization whose mission is to



Two important CLEAN bills are closer to becoming law in California. Senate Bill (SB) 1332, which is designed to speed up the implementation of SB 32 CLEAN Programs, passed the State Assembly on August 20 by a vote of 49-26. In addition, Assembly Bill (AB) 1990, which would create a CLEAN Program targeting low-income California communities, passed the Senate Appropriations Committee on August 16 and will now go to the Senate floor for a full vote by August 31. After passing both the Assembly and Senate, bills then go to Governor Brown for his signature, upon which they become official law.

SB 1332 — introduced by Gloria Negrete McLeod of Chino, CA and sponsored by the Clean Coalition — requires that Publicly Owned Utilities (POUs) launch their SB 32 CLEAN Programs by July 1, 2013. Additionally, SB 1332 directs POUs to consider locational and environmental benefits in their SB 32 pricing, much like has been done in the Palo Alto CLEAN Program, where clean local energy is shown to avoid more than 3

cents/kWh in transmission-related costs. Since the bill does not create any new programs or impact the state budget, the Clean Coalition expects a successful outcome.

AB 1990, also known as the “Solar for All” bill, passed the Senate Appropriations Committee and now heads to the Senate Floor for consideration. AB 1990 — introduced by Paul Fong of Cupertino, CA and sponsored by the California Environmental Justice Alliance — adds 190 MW to the SB 32 CLEAN Program to bring distributed renewable energy to low-income communities throughout the state. The Clean Coalition has been a key supporter of AB 1990 and recently participated in an August 16th lobby day to help advance the bill.

implement policies and programs that accelerate the transition to a decentralized energy system that delivers cost-effective renewable energy, strengthens local economies, minimizes environmental impacts, and enhances energy security. The Clean Coalition believes that the right policies will result in a timely transition to clean energy while yielding tremendous economic benefits, including new job creation, increased tax revenue, and the establishment of an economic foundation that will drive growth for decades. The Clean Coalition is active at the national, state, and local levels.

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