



**Marin Energy Authority  
Executive Committee Meeting  
Wednesday, April 17, 2013  
9:00 A.M.**

**San Rafael Corporate Center, Boro Room  
750 Lindero Street, San Rafael, CA 94901**

**Dawn Weisz**  
Executive Officer

**Damon Connolly**  
Chair  
City of San Rafael

**Kathrin Sears**  
Vice Chair  
County of Marin

**Bob McCaskill**  
City of Belvedere

**Alexandra Cock**  
Town of Corte Madera

**Larry Bragman**  
Town of Fairfax

**Len Rifkind**  
City of Larkspur

**Ken Wachtel**  
City of Mill Valley

**Denise Athas**  
City of Novato

**Tom Butt**  
City of Richmond

**Carla Small**  
Town of Ross

**Ford Greene**  
Town of San Anselmo

**Ray Withy**  
City of Sausalito

**Emmett O'Donnell**  
Town of Tiburon

781 Lincoln Avenue  
Suite 320  
San Rafael, CA 94901

1 (888) 632-3674  
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**Agenda – Page 1 of 2**

- 1. Board Announcements (Discussion)**
- 2. Public Open Time (Discussion)**
- 3. Report from Executive Officer (Discussion)**
- 4. Marin Enertrees Presentation (Discussion)**
- 5. Local Renewables and Local Programs Update (Discussion)**
- 6. Deep Green Local Development Fund (Discussion)**
- 7. MEA Employee Commute Program (Discussion)**
- 8. Energy Efficiency Standard Offer (Discussion)**
- 9. Regulatory Update (Discussion)**



Agenda material can be inspected in the Marin County Sheriff's lobby, located at 3501 Civic Center Drive, San Rafael, CA 94903. The meeting facilities are in accessible locations. If you are a person with a disability and require this document in an alternate format (example: Braille, Large Print, Audiotape, CD-ROM), you may request it by using the contact information below. If you require accommodation (example: ASL Interpreter, reader, note taker) to participate in any MEA program, service or activity, you may request an accommodation by calling (415) 464-6032 (voice) or 711 for the California Relay Service or by e-mail at [djackson@mceCleanEnergy.com](mailto:djackson@mceCleanEnergy.com) not less than **four work days** in advance of the event.



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**10. Review Draft Agenda of 5.2.13 Board Meeting (Discussion)**

**11. Board Member & Staff Matters (Discussion)**

**12. Adjourn**



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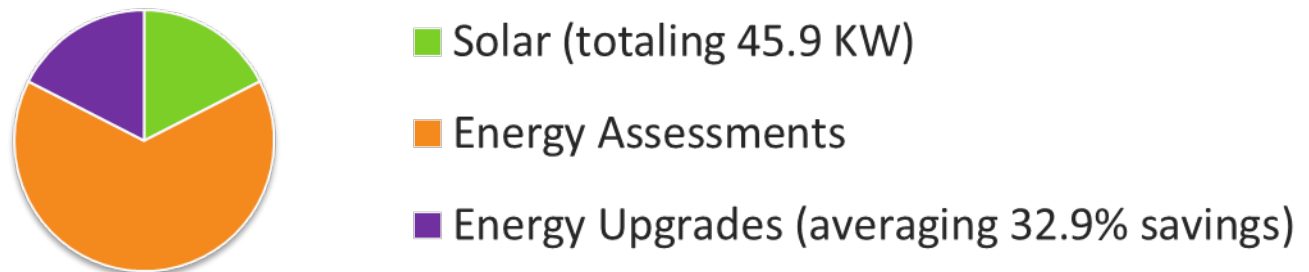
# Local Programs by MCE & Partners



# Solar Rebate Program

- MEA operated a \$20,000 rebate program for MCE residential customers from 1/12 to 6/12
- 40 rebates were awarded in the 2012 program

Breakdown of 2012 rebates by type



# Solar Rebate Program

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- New allocation of \$10,000 will allow for re-launch of solar rebate program
- Targeting launch date of July, 2013

## Questions for consideration:

- Solar rebates for purchase only? (will PPAs/leases be eligible?)
- Residential only?
- Set aside allocation for Richmond customers?

# Solar Rebate Program: Application Process



## Marin Clean Energy Solar Rebates REQUEST FOR REBATE PAYMENT

To receive a Marin Clean Energy Solar Rebate payment for a solar installation, please complete, sign, & return this form.

### Property-Owner Information

Last Name		First Name	
Property Address	City	Zip Code	Square Footage
{ }			
Telephone	Email		

### Project Information

- 1) Type of System:  Photovoltaic  Solar Hot Water Heater  Solar Water Heater
  - 2) System Size: \_\_\_\_\_ Kilowatt \_\_\_\_\_ Square Footage
  - 3) System Purchase Date: \_\_\_\_\_ (DD/MM/YEAR)
  - 4) Where will the system be installed?  Same as above
- 
- 5) Type of building:  Residential  Non-Residential

I certify that the information above is accurate.

Applicant Signature

Date



Martin Mitchell has been interested in alternative energy since high school. While the 16 solar panels on his roof will save him roughly \$900 per year over the next 20 years, Martin's decision to generate his own energy stemmed from his sense of duty as a "responsible steward and a patriot."

# Green Business Program

- Launched in Marin County in 2002
- Launched in Contra Costa County in 1998
- 434 businesses currently certified in Marin
- 36 businesses currently certified in Richmond
- Green businesses agree to:
  - comply with all applicable regulations and strive to exceed compliance
  - conserve energy, water, materials and other resources
  - develop and implement practices that prevent pollution and waste
  - be an environmentally responsible business within our community
  - strive for continuous improvement
- MEA to fund \$15,000 for County of Marin program
- MEA funds primarily support County of Marin Program Manager with potential for additional staff



# SEED Program Update

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- Additional outreach conducted by various MEA Board members in late March '13 yielded additional interest in the program from various Marin municipalities
- April 2013 - MEA Board approves partnership with City of San Rafael supporting the City as Coordinating Agency in a technical advisory role
- Next steps include signing of final MOU's and moving to Phase III of project



# Questions?



# Local Renewable Development Fund

## Powered by Deep Green



# MCE Developed Projects

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- MCE can develop and own projects to support long term goals for renewable power supply and cost stability
- MCE's service territory has a wide variety of potential project development sites to consider
- A MCE 'Local Renewable Development Fund' could be created and linked to Deep Green Customer participation to spur additional project development in the future.

# Local 'Fund' can tie to Deep Green Program

- Establishing a 'Local Renewable Development Fund' would create a mechanism for customers to directly support the first MCE-owned renewable project... and additional renewable projects in the future
- Fund would formalize the link between Deep Green customer base, and local project development
- Interest in local renewable projects is likely to stimulate new Deep Green customer enrollments, and thereby provide support for more local projects in the future
- Next steps and customer outreach

# First Project: Pre-screening Process

- Load data analysis to evaluate annual kWh consumption.
- Evaluate onsite generation opportunities such as available roof / parking area.
- Determine proximity to substation or existing generation.



# First Project: Pre-screening Process

## Assess Zoning & Use Permit Requirements

- Assess zoning and other applicable land use considerations
- Identify permitting requirements that may be impacted by ‘disturbed’ sites and/or on site ‘ancillary uses’
- Appropriately sizing project capacity may streamline permitting requirements
  - Projects designed to offset a portion of onsite kWh consumption would not typically require a CUP
  - CUP’s are often required when selling energy offsite (which could occur with the installation of an “oversized” system)

## Assess Interconnection Requirements

- 1 MW to 5 MW for initial project would allow for ‘Fast Track’ process. This would eliminate need for study fees, network upgrades, and reduce development timeline.
- < 1 MW eliminates scheduling and CAISO fees.

# First Project: Pre-Development Budget & Timeline

## Documentation Needed for Interconnection Submittal

- Site Control – Evidence of Site Exclusivity (Lease, Option, or purchase agreement) identifying site owner name, address, and contact information.
- Site Plan – Site drawing to scale, showing generator location and Point of Interconnection with PG&E's distribution system.
- Single Line Diagram – Single-line diagram showing generating units, step-up transformers, auxiliary transformers, switches/disconnects of the proposed interconnection, and required protection devices and circuit breakers.

# First Project: Pre-Development Budget & Timeline

## Pre-Screening

- Assess zoning, land use, Conditional Use Permitting

## Cost Estimate

TBD

## CEQA site assessment/Permitting

- Independent consultant  
Categorical Exemption or Neg Dec for disturbed or developed sites

\$5,000-\$10,000

## Electrical Engineering

- Independent Engineer

\$5,000-\$10,000

## Civil Engineering

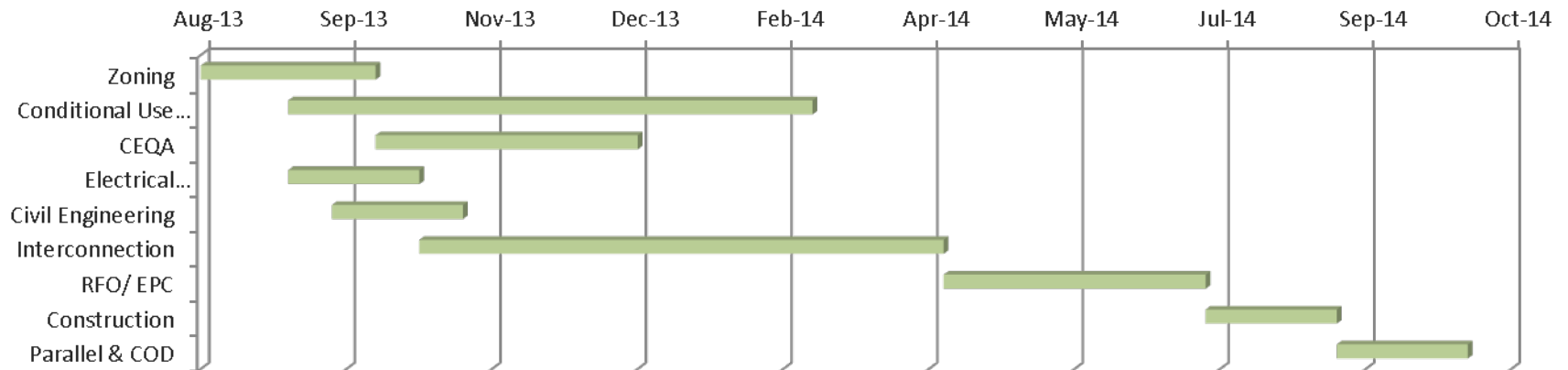
- Independent Engineer

\$5,000-\$15,000

## Interconnection

- Fast Track process - Less than 2 MW on 12 Kv - 3 Mw on 21 kV \$500

***Each Site - Estimated cost \$15,000 to \$35,000***





# Questions?





## Marin Energy Authority Board of Directors Meeting Thursday, May 2, 2013

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