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

San Rafael Corporate Center, Boro Room
750 Lindaro Street, San Rafael, CA 94901

Agenda – Page 1 of 2

1. Board Announcements (Discussion)
2. Public Open Time (Discussion)
3. Report from Executive Officer (Discussion)
4. Marin EnergyTrees 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)

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

11. Board Member & Staff Matters (Discussion)

12. Adjourn
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 (totaling 45.9 KW)
- Energy Assessments
- Energy Upgrades (averaging 32.9% savings)
Solar Rebate Program

• 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?
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

• 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

• 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.
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.
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

## CEQA site assessment/Permitting
- Independent consultant
  - Categorical Exemption or Neg Dec for disturbed or developed sites: $5,000-$10,000

## Electrical Engineering
- Independent Engineer
  - Cost Estimate: $5,000-$10,000

## Civil Engineering
- Independent Engineer
  - Cost Estimate: $5,000-$15,000

## Interconnection
- Fast Track process - Less than 2 MW on 12 Kv - 3 Mw on 21 kV
  - Cost Estimate: $500

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

### Timeline

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

San Rafael Corporate Center, Tamalpais Room
750 Lindaro Street, San Rafael, CA 94901

Agenda – Page 1 of 1

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3. Report from Executive Officer (Discussion)

4. Board Member & Staff Matters (Discussion)

5. Adjourn