

File No. 110028

Committee Item No. 6  
Board Item No. 3

**COMMITTEE/BOARD OF SUPERVISORS**  
AGENDA PACKET CONTENTS LIST

Committee CITY OPERATIONS AND  
NEIGHBORHOOD SERVICES

Date 1/24/11

Board of Supervisors Meeting

Date 2/1/11

**Cmte Board**

- |                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/>            | <input type="checkbox"/>            | Motion                                       |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Resolution                                   |
| <input type="checkbox"/>            | <input type="checkbox"/>            | Ordinance                                    |
| <input type="checkbox"/>            | <input type="checkbox"/>            | Legislative Digest                           |
| <input type="checkbox"/>            | <input type="checkbox"/>            | Budget Analyst Report                        |
| <input type="checkbox"/>            | <input type="checkbox"/>            | Legislative Analyst Report                   |
| <input type="checkbox"/>            | <input type="checkbox"/>            | Introduction Form (for hearings)             |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Department/Agency Cover Letter and/or Report |
| <input type="checkbox"/>            | <input type="checkbox"/>            | MOU  |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Grant Information Form                       |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Grant Budget                                 |
| <input type="checkbox"/>            | <input type="checkbox"/>            | Subcontract Budget                           |
| <input type="checkbox"/>            | <input type="checkbox"/>            | Contract/Agreement                           |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Award Letter                                 |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Application                                  |
| <input type="checkbox"/>            | <input type="checkbox"/>            | Public Correspondence                        |

**OTHER**

(Use back side if additional space is needed)

<input type="checkbox"/>	<input type="checkbox"/>	_____
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<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	_____

Completed by: Gail Johnson

Date 1/20/11

Completed by: [Signature]

Date 1/24/11

An asterisked item represents the cover sheet to a document that exceeds 25 pages.  
The complete document is in the file.



1 [Accept and Expend Grant - San Francisco Renewable Energy Plan - \$250,000]

2  
3 **Resolution authorizing the Department of the Environment to retroactively accept and**  
4 **expend a grant in the amount of \$250,000 from the Sidney E. Frank Foundation to**  
5 **initiate the San Francisco Renewable Energy Plan which will lay out actionable steps to**  
6 **source one-hundred percent of San Francisco's electrical demand from renewable**  
7 **energy sources.**

8  
9 WHEREAS, San Francisco has set ambitious goals of reducing greenhouse gas (GHG)  
10 emissions to 20% below 1990 levels by 2012 and achieving complete carbon neutrality by  
11 2030, and

12 WHEREAS, The City has made significant progress to date, including: achieving the  
13 Kyoto Protocol target of reducing GHG emissions to 7% below 1990 levels; reducing  
14 municipal energy use by 11 MW and community energy use by 31 MW—enough to power  
15 30,000 SF households; installing more than 13.5 MW of in-City renewables, with nearly 10  
16 MW of distributed solar PV (nearly 2,000 systems) citywide, 3.5 MW of biogas cogeneration at  
17 the City's wastewater treatment plants, and a 5-MW municipal solar project at Sunset  
18 Reservoir; all public transportation in San Francisco runs on electricity or B-20 biodiesel, and

19 WHEREAS, The City closed the Hunter's Point power plant, the oldest and dirtiest of  
20 the power plants located in San Francisco, and will close the remaining in-City Potrero power  
21 plant by 2011, and

22 WHEREAS, Continuing to achieve the City's aggressive GHG and sustainability targets  
23 will require unprecedented policy actions, partnerships, incentives and investments, and

24 WHEREAS, Making San Francisco a 100% renewably powered city will substantially  
25 support the City's attainment of its carbon neutrality goal. Indeed, taking this goal seriously

1 means that becoming a completely sustainably powered city is not an option; rather, it is a  
2 necessity, and

3 WHEREAS, With the financial support of the Sidney E. Frank Foundation Grant, the  
4 San Francisco Department of the Environment will develop an actionable plan to make San  
5 Francisco's electricity supply completely carbon neutral, in the least amount of time technically  
6 and economically possible, and

7 WHEREAS, This project supports California's aggressive goals of reducing  
8 greenhouse gas emissions under the AB32 Climate Change Initiative scoping plan, and

9 WHEREAS, Renewable SF will be one of the first plans for a municipality in the United  
10 States to achieve carbon neutrality and will have aspects which can be replicated by other  
11 municipalities, thus ensuring San Francisco's continued reputation as an international leader  
12 on environmental issues, and

13 WHEREAS, The grant budget includes provision for indirect costs of \$50,000, and

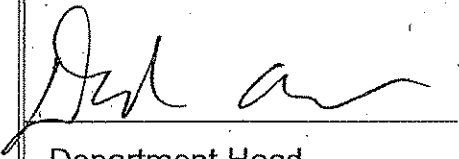
14 WHEREAS, The term of the Sidney E. Frank Foundation grant is one year from the  
15 receipt of funds; now therefore be it

16 RESOLVED, That the Board of Supervisors hereby authorizes the Department of the  
17 Environment to retroactively accept and expend \$250,000 from the Sidney E. Frank  
18 Foundation for initiating the San Francisco Renewable Energy Plan (Renewable SF).

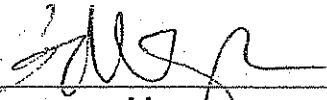
19 The Department of the Environment is further authorized to furnish whatever additional  
20 information or assurances the funding agency may request in connection with this grant, and  
21 to execute any and all agreements necessary to carry out the purpose of the grant.

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Recommended:



Department Head

Approved:   
Mayor

Approved:   
Controller, Grant Division

Supervisor Mar

BOARD OF SUPERVISORS

**TO:** Angela Calvillo, Clerk of the Board of Supervisors  
**FROM:** Department of the Environment  
**DATE:** 01/04/11  
**SUBJECT:** Accept and Expend Resolution for Subject Grant  
**GRANT TITLE:** San Francisco Renewable Energy Action Plan

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Attached please find the original and 4 copies of each of the following:

Proposed grant resolution; original signed by Department, Mayor, Controller

Grant information form, including disability checklist

Grant budget

Grant application

Grant award letter from funding agency

Other (Explain):

**Special Timeline Requirements:**

**Departmental representative to receive a copy of the adopted resolution:**

Name: Rachel Buerkle

Phone: 355-3704

Interoffice Mail Address:

Certified copy required Yes

No X

(Note: certified copies have the seal of the City/County affixed and are occasionally required by funding agencies. In most cases ordinary copies without the seal are sufficient).

**File Number:** \_\_\_\_\_  
(Provided by Clerk of Board of Supervisors)

**Grant Information Form**  
(Effective January 2000)

**Purpose:** Accompanies proposed Board of Supervisors Ordinance authorizing a Department to amend the Annual Salary Ordinance and accept and expend grant funds.

The following describes the grant referred to in the accompanying Ordinance:

1. Grant Title: San Francisco Renewable Energy Action Plan 220189/EVFFRE-11

2. Department: Department of the Environment

3. Contact Person: Shawn Rosenmoss Telephone: 415-355-3746

4. Grant Approval Status (check one):

Approved by funding agency  Not yet approved

5. Amount of Grant Funding Approved or Applied for: \$250,000

6a. Matching Funds Required:

b. Source(s) of matching funds (if applicable):

7a. Grant Source Agency: Sidney Frank Foundation

b. Grant Pass-Through Agency (if applicable):

8. **Proposed Grant Project Summary:** The San Francisco Department of the Environment (SF Environment) is initiating a San Francisco Renewable Energy Action Plan project to develop an actionable plan to make San Francisco a 100% renewably powered city in the shortest timeframe practicably possible.

9. Grant Project Schedule, as allowed in approval documents, or as proposed:

Start-Date: 09/30/10

End-Date: 09/30/11

10. Number of new positions created and funded: 0

11. If new positions are created, explain the disposition of employees once the grant ends?

12a. Amount budgeted for contractual services: \$13,043

b. Will contractual services be put out to bid? Yes

c. If so, will contract services help to further the goals of the department's MBE/WBE requirements? Yes

d. Is this likely to be a one-time or ongoing request for contracting out? One-time

13a. Does the budget include indirect costs?  Yes  No

b1. If yes, how much? \$50,000 which is 20% of the total amount granted by the funding source

b2. How was the amount calculated? Amount allowed by funding source

c. If no, why are indirect costs not included?

- Not allowed by granting agency
- Other (please explain):

To maximize use of grant funds on direct services

14. Any other significant grant requirements or comments:

**\*\*Disability Access Checklist\*\***

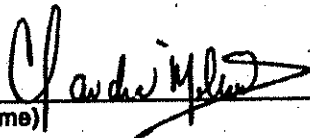
15. This Grant is intended for activities at (check all that apply):

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Existing Site(s)      | <input type="checkbox"/> Existing Structure(s)      | <input checked="" type="checkbox"/> Existing Program(s) or Service(s) |
| <input type="checkbox"/> Rehabilitated Site(s) | <input type="checkbox"/> Rehabilitated Structure(s) | <input checked="" type="checkbox"/> New Program(s) or Service(s)      |
| <input type="checkbox"/> New Site(s)           | <input type="checkbox"/> New Structure(s)           |   |

16. The Departmental ADA Coordinator and/or the Mayor's Office on Disability have reviewed the proposal and concluded that the project as proposed will be in compliance with the Americans with Disabilities Act and all other Federal, State and local access laws and regulations and will allow the full inclusion of persons with disabilities, or will require unreasonable hardship exceptions, as described in the comments section:

Comments:

Departmental or Mayor's Office of Disability Reviewer: Claudia Molina


  
(Name)

Date Reviewed: 12/23/10

Department Approval:

Melanie Nutter  
(Name)

Director, Department of the Environment  
(Title)

  
(Signature)



**Department of the Environment-City and County of San Francisco (SFEnvironment)**

**Renewable SF**

Personnel	Narrative	Notes	Frank Foundation
<b>Renewable Energy Plan Coordinator</b> Sr.Environmental Specialist 5644. Grant Funded.	RE Plan Coordinator will coordinate grant activities, reporting, data collection and work with stakeholders. Act as foundation and stakeholder liaison. Oversee selection of project consultants and completion of consultants' activities. Develop draft action plan, seek stakeholder input, seek necessary legislative authority for action plan, finalize plan, and begin implementation	On Staff	\$137,099
	Fringes at 34%		\$46,613
<b>Total personnel</b>			<b>\$183,712</b>
<b>Contract/grants</b>			
Consultants	Consultants will be secured using standard city contracting policies. Will conduct detailed quantification of current opportunities for energy efficiency and renewable electricity generation citywide, including PG&E, SFPUC and distributed generation.		
<b>SUB Contract/ Grant</b>			<b>\$13,043</b>
<b>Work Order</b>			
Legal	Seek necessary legislative authority for action plan.		\$3,245
<b>SUB WO</b>			<b>\$3,245</b>
<b>SubTotal Program</b>			<b>\$200,000</b>
<b>Indirect</b>	Amount allowed by funding source to provide for SF Environment's administration of grant.		<b>\$50,000</b>
<b>GRAND TOTAL</b>			<b>\$250,000</b>





## Renewable SF

A proposal submitted to the Sidney E. Frank Foundation  
June 21, 2010

### Project Description

The City and County of San Francisco is seeking \$250,000 to develop and put in motion an implementation plan to make San Francisco a 100% renewably powered city in ten years.

San Francisco has set an ambitious goal of reducing greenhouse gas (GHG) emissions to 20% below 1990 levels by 2012, with complete carbon neutrality by 2030. We have made significant progress to date:

- This year San Francisco achieved the Kyoto Protocol target of reducing GHG emissions to 7% below 1990 levels.
- We have reduced energy use in San Francisco by 31 MW—enough to power 30,000 SF households—and reduced municipal energy use by an additional 11 MW.
- We have more than 13.5 MW of in-City renewables, with nearly 10 MW of distributed solar PV (nearly 2,000 systems) citywide and 3.5 MW of biogas cogeneration at the City's wastewater treatment plants. A 5-MW municipal solar project at Sunset Reservoir will come on-line this fall.
- In 2006 we closed the Hunter's Point power plant, the oldest and dirtiest of the power plants located in San Francisco, and we will close the remaining Potrero power plant by 2011.
- All public transportation in San Francisco runs on electricity or B-20 biodiesel.
- San Francisco has the most aggressive waste diversion rate of any city in the US: 73% of what San Franciscans throw away is recycled or composted.

However, we still have a long way to go. Achieving our aggressive GHG and sustainability targets will require unprecedented policy actions, partnerships, incentives and investments. Most importantly, it will require the participation of every resident and business in San Francisco.

Making San Francisco a 100% renewably powered city will go a long way toward helping us achieve our carbon neutrality goal. Indeed, taking this goal seriously means that becoming a completely sustainably powered city is not an option; rather, it is a necessity.

We are now poised to make becoming a 100% renewably powered city a reality:

- San Francisco's Community Choice Aggregation (CCA) program, CleanPowerSF, will launch by the end of 2010, starting out at 20% renewables and ramping up to 51% renewables by 2017.
- The federal government's pending HomeStar energy efficiency incentive program, coupled with the City's Energy Watch and Zero Energy Homes programs, is expected to dramatically reduce residential energy consumption.

- Mayor Newsom will introduce legislation this summer to require every commercial building in the City to conduct an energy audit every five years, which is expected to dramatically reduce commercial energy consumption.
- The City's 10-year GoSolarSF solar incentive program is expected to triple the current amount of solar PV installed citywide by 2017.
- In April we launched GreenFinanceSF, San Francisco's property-assessed clean energy financing program, which can cover the up-front costs of up to \$150 million worth of efficiency and renewable electricity retrofits in commercial and residential buildings citywide.
- A 2009 Frank Foundation-funded study showed 30-100 MW of wave energy potential off the coast of San Francisco.
- Potentially large quantities of urban wind and offshore wind energy capacity are yet-to-be explored.

## Tasks

The City and County of San Francisco will develop an implementation plan to strategically employ the opportunities described above, along with other policy tools, incentives and community partnerships, to make San Francisco a 100% renewably powered city in ten years.

San Francisco's peak electricity usage is approximately 950 MW, including residential, commercial and municipal loads. At present, approximately 40% of this is generated from renewable sources (including hydro).<sup>1</sup> To develop a plan to get San Francisco to 100% renewable generation, the following tasks will be undertaken:

1. Assemble a stakeholder group to provide input on the development of the plan, comment on the draft and support for initiatives necessary for implementation of the plan.
2. Conduct detailed quantification of current opportunities for energy efficiency and renewable electricity generation citywide, including PG&E, SFPUC and distributed generation.
3. Conduct market analyses and develop low/high ranges for the economically viable installation of the following in-City sustainable energy technologies:
  - Energy efficiency
  - Solar PV
  - Wave power
  - Offshore wind power
  - Urban wind
  - Other technologies
4. Build computer model(s) to plot different strategy pathways and their impact on renewable generation.
5. Identify multiple strategies to improve the economic viability in specific market sectors and achieve desired market penetration for technologies identified above. Strategies include:
  - Legislation, standards and regulation
  - Incentives and disincentives
  - Leading by example

<sup>1</sup> Approximately 228 MW from PG&E and 175 MW from SFPUC.

- Community action, partnerships, information and education
  - Fostering decentralized, distributed and community-based renewable electricity systems
  - Sustainable energy strategic planning and integrated implementation.
6. Develop draft action plan, seek stakeholder input, and finalize plan.
  7. Seek necessary legislative authority for action plan.
  8. Begin plan implementation.

**Project Period:** 12 months

**Project Budget:** \$250,000, broken down as follows:

	<b>Description</b>	<b>Amount</b>
Staff (1 FTE equivalent)	Manage project; conduct tasks 1, 6, 7 & 8; support other tasks; manage consultants	\$150,000
Consultants	Support tasks 2, 3, 4, 5	\$95,000
Legal	Support task 7	\$5,000
<b>TOTAL</b>		<b>\$250,000</b>



ROCKEFELLER  
Philanthropy  
Advisors

August 11, 2010

Ms. Johanna Partin  
Director of Climate Protection Initiatives  
Office of Mayor Gavin Newsom  
City and County of San Francisco  
11 Grove Street  
San Francisco, CA 94102

Dear Johanna:

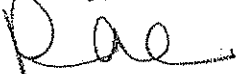
It is a pleasure to inform you that the Sidney E. Frank Foundation has approved a grant in the amount of \$250,000 to the City and County of San Francisco to put into motion an implementation plan to make San Francisco 100% renewably powered in ten years. The term of the grant is one year beginning upon receipt of the funds, estimated to be on or about August 31, 2010.

Enclosed with this award letter is the Grant Agreement. Please sign, date, and return one copy to us, retaining one for your files. The Foundation will issue payment of the grant proceeds by wire transfer upon receipt. Funding obtained under this agreement may not be used for any purpose other than described above and in the enclosed Agreement without prior written permission from the Foundation.

The Sidney E. Frank Foundation requires a written report of accomplishments accompanied by an accounting of the grant expenditures at the conclusion of the grant period. If the reporting schedule or any other terms and conditions of this grant present significant difficulties for you, please contact me as soon as possible at 415-543-0743 or at [r-richman@rockpa.org](mailto:r-richman@rockpa.org).

We are pleased to be able to support this important work. We wish you success and look forward to receiving a signed copy of the Agreement at your earliest convenience.

Sincerely,



Rae Richman  
Advisor to the Sidney E. Frank Foundation

## GRANT AGREEMENT

GRANTEE: City and County of San Francisco  
AMOUNT OF GRANT: \$250,000  
GRANT PERIOD: 1 year  
PAYMENT SCHEDULE: Lump sum payment  
FINAL REPORT DUE: August 31, 2011  
EXPENDITURE REPORT DUE: August 31, 2011

This agreement refers to and incorporates the grant Award Letter dated August 11, 2010 from the Sidney E. Frank Foundation. As conditions to the receipt of the grant funds announced in the Award Letter, the undersigned organization certifies that it is a charitable entity.

The Sidney E. Frank Foundation has approved a grant in the amount of \$250,000 to the City and County of San Francisco to put into motion an implementation plan to make San Francisco 100% renewably powered in ten years. The term of the grant is one year beginning upon receipt of the funds, estimated to be on or about August 31, 2010.

The undersigned Grantee organization agrees that it will:

Submit full and complete reports on the manner in which the funds are spent based upon the approved program plan and budget it submitted, and the progress made in accomplishing the purpose of the grant, such reports to be made as described below:

### Final Report

A review of the project's accomplishments during the entire grant period analyzing outcomes compared with plan objectives.

### Expenditure Report

Complete and accurate record of how grant monies were spent, and how those expenditures compare with the budget in the grant proposal.

Maintain clear and accurate records of receipts and expenditures for this grant, and make such records available to the Foundation upon request.

Permit the Foundation and/or its authorized representatives to monitor and evaluate the project funded by this grant through discussions with staff and others, site visits, and the review of records, as appropriate.

Use Foundation funds solely for the purposes specified in the Award Letter and Agreement.



Inform the Foundation in a timely manner of changes in key personnel, significant difficulties in making use of the funds for the purposes described in the grant proposal, or inability to expend the grant funds in the time period set forth.

**The Sidney E. Frank Foundation**

By: Rae Richman  
Rae Richman, Advisor to the Foundation

Date: 8/26/10

Read and agreed to by the City and County of San Francisco

By: \_\_\_\_\_

Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Department of Environment has submitted this retroactive Accept and Expend item for introduction.

**Retroactively Accept-Expend \$250,000 Private Grant**

This grant from the Sidney E. Frank Foundation provides \$250,000 to initiate the San Francisco Renewable Energy Plan (Renewable SF) which will lay out actionable steps to source 100% of SF's electrical demand from renewable energy sources. The grant timeline is from 09/30/10 to 09/30/11. The funds cover \$50,000 in indirect costs. No match was required. The grant includes one-time contractual services worth \$13,043 using standard city contracting policies.