File No. <u>130649</u>

Committee Item No. <u>11</u> Board Item No. _____

Date: 07/17/2013

COMMITTEE/BOARD OF SUPERVISORS

AGENDA PACKET CONTENTS LIST

Committee: Budget and Finance Sub-Committee

Board of Supervisors Meeting

Date: ____

Cmte Boa	ard Motion Resolution Ordinance Legislative Digest Budget and Legislative Analyst Report Legislative Analyst Report Youth Commission Report Introduction Form
	Department/Agency Cover Letter and/or Report MOU Grant Information Form Grant Budget Subcontract Budget Contract/Agreement Form 126 – Ethics Commission Award Letter Application Public Correspondence
OTHER	(Use back side if additional space is needed)
-	by: Victor Young Date July 12, 2013

FILE NO. 130649

RESOLUTION NO.

[Accept and Expend Grant - Community Scale Renewable Energy Integration - Central Corridor EcoDistrict - \$300,000]

Resolution authorizing the Department of the Environment to retroactively accept and expend a grant of \$300,000 from the California Energy Commission for the purpose of exploring Community Scale Renewable Energy Integration in San Francisco's Central Corridor Eco-District for the period of June 1, 2013, to March 31, 2015.

WHEREAS, The California Energy Commission (CEC) released a Request for Proposal for research, development, and demonstration projects that demonstrate optimized community-specific renewable energy systems; develop the tools and models to quantify the impacts and benefits of increasing local renewable energy penetration in California's communities; and develop breakthrough renewable energy technologies to effectively take advantage of existing localized renewable resources for electricity generation; and

WHEREAS, Funding from the CEC will support the creation of a plan to integrate renewable energy and supporting technologies into existing plans for a Central Corridor EcoDistrict; and

WHEREAS, The Board of Supervisors adopted goals for greenhouse gas emissions reductions; and

WHEREAS, The Board of Supervisors passed a resolution endorsing the San Francisco Public Utility Commission's 2011 Updated Electricity Resource Plan, which recommended implementing Community Scale Energy Systems, pilot electric storage projects, and "Green Test Bed" demonstration projects; and

Department of Environment BOARD OF SUPERVISORS

Page 1 7/09/2013 WHEREAS, Several municipal departments, including Planning and the San Francisco Public Utilities Commission are cooperating to study and plan for greenhouse gas reductions through neighborhood scale energy systems in the Central Corridor Area; and

WHEREAS, This funding will help the City move toward its emission reduction goals and objectives laid out in the Electricity Resource Plan; and

WHEREAS, Participating in this process will support the City's continued reputation as a national leader in municipal sustainability; and

WHEREAS, The term of this grant is from June 1, 2013 to March 31, 2015; and WHEREAS, The grant allows for Indirect costs of \$10,444; and

WHEREAS, The grant does not require an Annual Salary Ordinance (ASO) amendment; now, therefore, be it

RESOLVED, That the Board of Supervisors hereby authorizes the Director of the Department of the Environment to accept and expend \$300,000 from the California Energy Commission to support Community Scale Renewable Energy Integration Exploration in the Central Corridor EcoDistrict.

Rècommended:

Approved

Mayor

Department Head

Approved:

Controller, Grant Division

Department of Environment BOARD OF SUPERVISORS

Page 2 7/09/2013

то:	Angela Calvillo, Clerk of the Board of Supervisors
FROM:	The Department of the Environment
DATE:	June 14, 2013
SUBJECT:	Accept and Expend Resolution for State Grant
GRANT TITLE:	Community Integrated Renewable Energy Project (CIRE) in San Francisco's Central Corridor Eco-District

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

- <u>X</u> Proposed grant resolution; original signed by Department, Mayor, Controller
- _X_ Grant information form, including disability checklist
- <u>X</u> Grant budget
- <u>X</u> Grant application
- <u>X</u> 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:415-355-3704

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).

220297 / EVCIRE-13

(Provided by Clerk of Board of Supervisors)

Grant Resolution Information Form

(Effective July 2011)

Purpose: Accompanies proposed Board of Supervisors resolutions authorizing a Department to accept and expend grant funds.

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

1. Grant Title: Energizing our Future: Central Corridor Community Renewable Energy Project

2. Department: Department of the Environment

3. Contact Person: Rachel Buerkle

Telephone: 415-355-3704

4. Grant Approval Status (check one):

[X] Approved by funding agency [] Not yet approved

5. Amount of Grant Funding Approved or Applied for: \$300,000

6a. Matching Funds Required: <u>\$ 300,000</u>

b. Source(s) of matching funds (if applicable): staff time from existing budget

7a. Grant Source Agency: California Energy Commission

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

8. Proposed Grant Project Summary: <u>The City and County of San Francisco, through its Department of the Environment (SF Environment), is proposing to launch the Community Integrated Renewable Energy (CIRE) project that will build on planning work currently underway for the Central Corridor Eco-District. The project will assess the feasibility of a community energy center, integrating district heating and cooling, renewable electricity, waste-derived biogas, geothermal heat pumps, regenerative braking energy from public transportation, demand response, and smart distribution technology to serve multiple community members.</u>

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

Start-Date: <u>6/1/2013</u> End-Date: <u>3/31/15</u>

10a. Amount budgeted for contractual services: \$232,348

b. Will contractual services be put out to bid? <u>No. Contract is already in place with vendor designated in</u> grant. The contract was bid using standard City contracting processes and this service will be included in that contract.

c. If so, will contract services help to further the goals of the Department's Local Business Enterprise (LBE) requirements? <u>Yes.</u>

d. Is this likely to be a one-time or ongoing request for contracting out? <u>One-time, for the duration of the grant.</u>

11a. Does the budget include indirect costs? [X] Yes [] No

1

b1. If yes, how much? \$10,444

b2. How was the amount calculated? Based on Department of the Environment overhead and indirect

- c1. If no, why are indirect costs not included?
 - [] Not allowed by granting agency [] To maximize use of grant funds on direct services
 - [] Other (please explain):

c2. If no indirect costs are included, what would have been the indirect costs?

12. Any other significant grant requirements or comments:

Disability Access Checklist*(Department must forward a copy of all completed Grant Information Forms to the Mayor's Office of Disability)

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

[X] Existing Site(s) [] Rehabilitated Site(s) [] New Site(s) [X] Existing Structure(s) [] Rehabilitated Structure(s) [] New Structure(s) [X] Existing Program(s) or Service(s) [] New Program(s) or Service(s)

14. The Departmental ADA Coordinator 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 disability rights laws and regulations and will allow the full inclusion of persons with disabilities. These requirements include, but are not limited to:

1. Having staff trained in how to provide reasonable modifications in policies, practices and procedures;

2. Having auxiliary aids and services available in a timely manner in order to ensure communication access;

3. Ensuring that any service areas and related facilities open to the public are architecturally accessible and have been inspected and approved by the DPW Access Compliance Officer or the Mayor's Office on Disability Compliance Officers.

If such access would be technically infeasible, this is described in the comments section below:

Comments:

Departmental ADA Coordinator or Mayor's Office of Disability Reviewer:

Claudia Molina, Departmental ADA Coordinator, Payroll Personnel Clerk

Date Reviewed:

· C. Mohnie nature Required

Department Head or Designee Approval of Grant Information Form:

Melanie Nutter, Director, Department of the Environment

Date Reviewed: 0

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12020	San Francisco Department of the Environment-	the Environment-			
The second se	terromithe California Energy/Commission EcoDistricts	mmissioniEcoluistr	licts		
	Description	Other Notes	Grant	SFE Match	Ę
PERSONNEL					
Senior Environmental Specialist 5642	Administer grant, coordinate with	438 hrs @ \$128.74/hr and	\$ 56,408	\$ 37,	37,144
Renewable Energy Program	other city departments and	289 hours match			
	cullitaciui.				
Energy Manager 5644	Work with with other city	365 hrs @ \$139.79/hr		\$ 20,	50,982
	departments, advice on process and district energy	match			
Renewable Energy Associate 5638		527 hrs @ \$105.10/hr		\$ 55,	55,352
Green Building Energy Specialist 5640		388 hrs @ \$117.42/hr		\$ 45,	45,616
SF Environment volunteer Interns	these are volunteers who work for 6	2 interns @ 279 hrs total		\$ 21,	21,849
	months and support data tracking,	@ \$78.21/hr	•	5	
Total Personnel	-		\$ 56.408	\$ 210.943	943
Travel					
	attend meetings in sacramento with		\$ 800		
Total Travel			\$ 800		
CONTRACT					
Contract with ARUP North America, Ltd., the	d., the Provide technical assistance. Vendor		\$ 232,348	\$ 50,	50,000
vendor designated in the grant.	was selected through standard City contracting processes				
Subtotal Contractor			\$ 232,348	\$ 50'	50,000
TOTAL DIRECT COSTS			\$ 289,556	\$ 260,943	943
INDIRECT COSTS	Based on SFE overhead		\$ 10,444	\$ 39'	39,056
TOTAL PROJECT (Direct + Indirect)			\$ 300,000	\$ 300,000	000
				ļ]

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STATE OF CALIFORNIA --NATURAL RESOURCES AGENCY

CALIFORNIA ENERGY COMMISSION 1516 NINTH STREET SACRAMENTO, CA 95814-5512 www.energy.ca.gov





REVISED

NOTICE OF PROPOSED AWARDS Community Scale Renewable Energy Development, Deployment, and Integration Grant Solicitation PON-12-502 March 1, 2013

On October 16, 2012, the California Energy Commission's Public Interest Energy Research (PIER) Program released a Program Opportunity Notice (PON) titled "Community Scale Renewable Energy Development, Deployment and Integration (REDDI)". The PON announced that up to \$8.95 million in grant funding was available to accelerate research, development and demonstration of community scale renewable energy in three distinct funding categories:

- A. Community Scale Renewable Energy Integration Demonstration sought proposals that aim to demonstrate the cost-efficient integration of high-penetrations of renewable energy within a given community based on the locally-available renewable energy potential, and to increase energy security for that community.
- B. Community Scale Renewable Energy Integration Exploration sought proposals to formulate community-specific renewable energy development plans, including the tools and methodologies necessary to do so.
- C. Breakthrough Community Scale Renewable Energy Technology Development sought proposals that aim to develop renewable energy technologies that offer breakthrough potential in the commercial energy market, and will provide a significant contribution towards California's 2020 renewables.

The proposals were screened, reviewed, evaluated, and scored using the criteria prescribed in the solicitation. Based on the Review Team's scores and suggested funding levels, the Energy Commission released a Notice of Proposed Awards (NOPA) on February 20th to award \$8,950,000 and fund ten (10) of the thirty-five (35) passing projects in this solicitation. The NOPA also stated that "should additional electricity funding be made available, any partially-funded projects will be fully funded and the remaining passing projects **may** receive funding."

Since the release of the NOPA on February 20th, an additional \$26,219 has become available for this solicitation. Based on this available funding, the Energy Commission proposes to award full funding to Department of the Environment – City and County of San Francisco for the Rank 4 project in Research Area B, titled "Energizing Our Future: Community Integrated Renewable Energy (CIRE) Assessment." In the original NOPA, the Rank 6 Proposal in Research Area A Applicant's name was misstated as "Canby Geothermal Development LLC and Crane Mountain Geothermal Inc." In the Revised NOPA, the Applicant's name has been corrected to "CanbyGeo LLC."

This Revised NOPA is hereby issued pursuant to these recommendations. With the Revised NOPA, the Energy Commission proposes to award \$8,911,219 and fund ten (10) of the thirty-five (35) passing projects under this solicitation, as follows:

- For Research Area A, "Community Scale Renewable Energy Integration Demonstration," four (4) projects are recommended for funding for a total of \$6,871,294, and seventeen proposals (17) received a passing score.
- For Research Area B, "Community Scale Renewable Energy Integration Exploration," four (4) projects are recommended for funding for a total of \$1,039,830, and seven (7) proposals received a passing score.
- For Research Area C, "Breakthrough Community Scale Renewable Energy Technology," two (2) projects are recommended for funding for a total of \$1,000,095, and eleven (11) proposals received a passing score.

The attached table titled "Revised Notice of Proposal Awards and Results of Submitted Proposals" identifies each of the applicants recommended to receive funding, the project title, the recommended amount of Energy Commission funding, and scoring information.

Final approval of these awards rests with the Energy Commission, which will consider each project at a publicly noticed Business Meeting at the Energy Commission in Sacramento, California.

This notice is being mailed to all parties who submitted a proposal to this solicitation and is also posted on the Energy Commission website at: <u>http://www.energy.ca.gov/contracts/</u>

For further information about this matter, contact Crystal Presley-Willis at (916) 654-5067, or by email at Crystal.Presley-Willis@energy.state.ca.us.

	1 20 - 120	California Energy Commission PON-12-502 Revised Notice of Proposed Awards and Results of Submitted Proposals Community Scale Renewable Energy Development, Deployment, and Integration RESEARCH AREA B - Community Scale Renewable Energy Integration March 1st, 2013	California Energy Commission PON-12-502 tice of Proposed Awards and Results of Submitted Proposals Scale Renewable Energy Development, Deployment, and Integration AREA B - Community Scale Renewable Energy Integration Exploration March 1st, 2013	Ommission 22 Lesults of Submi tent, Deployment, a the Energy Integraf	tted Proposals ind Integration ion Exploration		
Rank	Prime Applicant:	Title:	PIER/Funds.	PIER/Funds) Recommended		Score	S Award Status
Proposed Award	Proposed Awards - Research Area B						
F	City of Davis	Davis Future Renewable Energy and Efficiency ("Davis FREE")	\$300,000	\$300,000	\$75,000	78.50	Awardee
Ň	Sierra Institute for Community and Environment	Plumas Energy Efficiency and Renewable Management Action Plan (PEER MAP)	\$300,000	\$300,000	\$75,000	75.25	Awardee
Ð	South Tahoe Public Utility District	Renewable Energy Regional Exploration Project	\$139,830	\$139,830	\$72,353	72.60	Awardee
4	Department of the Environment- City and County of San Francisco	Energizing Our Future: Community Integrated Renewable Energy (CIRE) Assessment	\$300,000	\$300,000	\$300,000	72.44	Awardee
Total Funding Recommended			\$1,039,830	\$1,039,830	\$522,353		
Passed But Not Funded	Funded				•		-
μņ.	Lawrence Berkeley National Laboratory	Optimal Planning of Community- scale Thermal Systems via DER- CAM	\$300,000	80	\$75,000	71.51	Finalist
ω	University of California, Merced	Forecast-based optimal University of California, Merced integration of renewable energy at the UC Merced community	\$293,146	\$0	\$295,470	71.39	Finalist
7	Clean Coalition	San Francisco Hunters Point Project	\$300,000	°0\$	\$126,250	70,40	Finalist
Did not Pass							
8	California Center for Sustainable Energy	California Advanced Clean Energy Neighborhood	\$299,512	\$0	\$75,000	69.86	Did Not Pass

Page 1 of 2

California Energy Commission PON-12-502	Revised Notice of Proposed Awards and Results of Submitted Proposals Community Scale Renewable Energy Development, Deployment, and Integration RESEARCH AREA B - Community Scale Renewable Energy Integration Exploration	March 1st, 2013	Applicant:	Generating Renewables. Generating Renewables. Efficiency and Transformation \$299,845 (GREAT) for Communities in California \$299,845	d Environmental Reaching Carbon Neutrality Across the University of California \$300,000 \$0 \$250,000 68.80 Did Not Pass System	County Waste Enabling Open Market PACE \$300,000 \$0 \$148,425 68.54 Did Not Pass ment Authority and Multi-Family Projects	n Coalition Stanford Community Renewable \$249,400 \$0 \$62,350 68.10 Did Not Pass Energy Project	An integrated Optimization Tool for Developing Cost Effective California Renewable Installations based on California Specific Regulatory Frameworks: A Focus on Los Angeles County
Revised No Communit			🚓 Prime Applicant. 📲	Genera Optony Inc. (GREAT) (GREAT)	Energy and Environmental Across the Leconomics, Inc (E3)	Alameda County Waste Enabling (Management Authority and Mul	Clean Coalition Stanford Co	The Regents of the University Renewable of California Framework
		, Rank, Mark	٥	10		12	ũ	

Page 2 of 2

PON-12-502

Community Scale Renewable Energy

Attachment 1

This document provides the Energy Commission with basic information about the Applicant and its subcontractors. Each Applicant must complete, sign and include this attachment in its Application.

Applicant's Le	gal Name		Federal ID Number
Department of t	he Environment-City and County of San Fra	ancisco	94-6000417
	and an	n lag franki mangar pir tanunan mangan mangan mangan tan	international de la companya de la c International de la companya de la co
Proposed Tern	1		
Start Date		End Date	
6/1/2013	1•N	3 / 31/ 15	
Funding			
Color and the second	ds Requested \$ 300,000		
Match Funding	Contraction and a state of the second s		(2) A first of the second s
Match Funding	\$ 300,000 Source	e of Match: 🛛 Cash 🕅 In-Ki	ind Prior Investments
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Title of Project			
Energizing Our	Future: Community Integrated Renewable	Energy (CIRE) Assessment	
The second second second		alised a state of the second secon Second second	
Project Locatio		and a ch a	
City and County	of San Francisco Central Corridor-betwee	n 2 nd & 6 th Streets and Market	& Townsend Streets
Project Descrip	otion (brief paragraph)		
The City and Co	ounty of San Francisco proposes to launch t	e Community Integrated Ren	ewable Energy (CIRE)
assessment proj	ect which will build on planning work curre	ntly underway for the Central	Corridor Eco-District, a
community exte	nding from 2 nd Street to 6 th Street and Mark	et St to Townsend St in the Ci	ty's South of Market area.
	roject will investigate the feasibility and ec		
	enabling technology (such as a smart or m		
	in a community / Eco-District. Demand m		
	able community partners to non-intrusively		
	o participate in demand response schemes.		
	ologies and opportunities to integrate wate		
	orage and regenerative braking energy from		
	an existing steam-based district energy sys		
district electrici			autori, renewaore fuers and
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	ronmental Quality Act (CEQA) Complian	Če .	
	considered a "Project" under CEQA?		
		o: complete the following (PRC	21065 and 14 CCR 15378):
	contract is not considered a "Project":		1993 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 -
	I not cause direct physical change in the en		eseeable indirect physical
2 If contract is	e environment because It is a planning doo considered a "Project" under CEQA, have	cument.	lation in the second
Z. If Contract is	o, provide documentation in application)	you complied?	
			·
	Dect Manager (serves as point of contact for all or	mmunications)	
Name:	Danielle Murray		
Address:	SF Environment		
	11 Grove	· · · · · · · · · · · · · · · · · · ·	
	San Francisco		
Phone/ Fax:	415-355-3715		· · · · · · · · · · · · · · · · · · ·
F-Mail	danielle murrav@sfoov.org		

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PON-12-502	Community Scale	Renewable Energy	Attachment 1
Applicant Is			
Private Company (includii			
CA State Agency (includir			
	y, county, federal government, air/w	vater/school district, joint power autho	rities, university from another state;
Propietary/ Confidential In		n a separately sealed and clea	
		tion, unrestricted distribution i	
<u> Application does no</u>	n comain proprietary morma	tion, unrestricted distribution t	s autionzeu.
s Applicant subcontractin	ng any services?		No X Yes
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C) Breakthrou	ugh Community Scale Re	newable Energy Technolog	y Development
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ATTACHMENT 1 PON Application Form

1. Project Costs

PIER Funding Requested \$ 300,000 Match Funding Offered \$ 300,000 Total \$ 600,000

2. California-Based Spending

PIER Funding Spent in CA <u>\$ 300,000</u> Percentage of PIER Funds <u>100</u>%

3. Funding Detail

	Organization Name	PIER Funding	PIER \$ Spent in California	Match Funding
Prime Recipient	City and County of San Francisco	\$50,000	100%	\$250,000
Sub # 1	Arup	\$250,000	100%	\$50,000
		e ²¹		
Sub # 2				
Sub # 3				
TOTAL				

. .

4. Average Loaded Hourly Rates

Average Loaded Rate as calculated in Attachment B-8 \$ 126.33

(please use additional sheets as necessary)

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ATTACHMENT 1 PON Application Form

Certifications:

I hereby authorize the California Energy Commission to make any inquiries necessary to verify the information I have presented in my Application.

I hereby certify to the best of my knowledge and belief that I have read, understand, and do hereby accept the terms and conditions contained in this PON package, including the provisions of the Agreement Terms and Conditions and, further, I am willing to enter into an agreement with the Commission to conduct the proposed project according to the terms and conditions without negotiation.

I hereby certify to the best of my knowledge that the information contained in this Application is correct and complete.

Signature of Principal Investigator/ Project Manager

Date: Date:

Signature of Authorized Representative

File No: 130649

FORM SFEC-126 NOTIFICATION OF CONTRACT APPROVAL S.F. Campaign and Government Conduct Code § 1.126

	rnment Conduct Code § 1.126)
City Elective Officer Information (<i>Please print clearly</i>)	
Name of City elective officer(s):	City elective office(s) held:
Members, San Francisco Board of Supervisors	Members, San Francisco Board of Supervisors
Contractor Information (Please print clearly)	
Name of Contractor: ARUP North America, Ltd.	
financial officer and chief operating officer; (3) any person w	rd of directors; (2) the contractor's chief executive officer, chief who has an ownership of 20 percent of more in the contractor; ay political committee sponsored or controlled by the contractor.
1) Peter Anthony Bailey, Jennifer Baster, Michael David Bea Allen Carfrae, Andrew Ka Ching Chan, Philip Graham Dille Mahadev Raman, David Arthur Whittleton, Ngaire Tui Wood 2) COO – Andy Howard; CEO – Mahadev Raman; CFO – A	y, Gregory Scott Hodkinson, Michael Kwok, Lup Moon Lui, ds
3) none	
4) none	
5) none	
Contractor address: ARUP, 560 Mission Street Suite 700 Sa	an Francisco CA 94105
Date that contract was approved: 04/25/2010*	Amount of contract: \$3,000,000
Describe the nature of the contract that was approved:	
Professional Consulting Services for Energy Programs	
	·
Comments: *Contract is already in force. Services of approximately \$23 professional services contract for the Department of the Envi	2,000 under the CIRE grant will be delivered under the current
This contract was approved by (check applicable)	
The City elective officer(s) identified on this form	
A board on which the City elective officer(s) serves	San Francisco Board of Supervisors
	Print Name of Board
☐ The board of a state agency (Health Authoirty, Housing Board, Parking Authority, Redevelopment Agency Com Development Authority) on which an appointee of the C	
Print Na	me of Board
Filer Information (Please print clearly)	
Name of filer:	Contact telephone number:
Clerk of the San Francisco Board of Supervisors	(415) 554-5184
Address:	E-mail:
City Hall, Room 244, 1 Dr. Carlton B. Goodlett Pl., San Fran	cisco, CA 94102 BOS.Legislation@sfgov.org
Signature of the Elective Officer (if submitted by City electiv	re officer) Date Signed
Signature of Board Secretary or Clerk (if Submitted by Board	I Secretary or Clerk) Date Signed