CNCA Innovation Fund - Round Two - Applicants Invited to Submit Full Proposals

Released April 6, 2016

Total Amount Requested $ 974,200

Lead City	Project Title	Amount	Other "Primary" Cities	Other "Observing" or "Advising" Cities	Partners	Description
Stockholm	**Food and Energy in a Circular Economy**	$100,000	None	TBD	TBD	Conduct a feasibility study for a large-scale pilot project at the Stockholm Royal Seaport flagship project on source separation of wastewater that can be used to gain experience and build knowledge on the benefits and challenges of source separated wastewater systems. The feasibility study will examine the technical preconditions for a source separated wastewater system and the implications on different actors; the potential to optimize energy recovery from wastewater (local at the property or communal for a section of the development); proposed management of resources from the system (i.e. collection and handling of organics); and proposed division of responsibilities and management structure at the City for source separated wastewater systems.
Melbourne	**Replicating CustomerLled Models for Development of Utility Scale Renewables**	$100,000	Sydney	Yarra, Victoria, Australia	Yarra Energy Foundation	Scale models for aggregating municipal, institutional and commercial customers to enable them to purchase utility-scale renewables and drive new investments in large-scale renewable energy through corporate offtake agreements backed by large corporate and institutional customers.
Melbourne	**Developing the Carbon Neutral Supply Chain**	$105,000	None	TBD	TBD	Develop approaches for overcoming barriers to decarbonizing public sector supply chains across Australia, building on Science-Based Targets' "Sectorial Decarbonisation Approach;" conduct workshops with representatives of sustainability and procurement branches of local partner cities to test the likely effectiveness and transferability of the proposed methods; and develop a Carbon Neutral Cities Good Practice Guide to summarise and share findings.
Copenhagen	**City Cooperation: Replicability of Procurement Guidelines for the Procurement of Green Vehicle and Transportation Services**	$100,000	Oslo, Stockholm, Vancouver	Boulder, NYC, Portland, Hamburg, London, Boston	TBD	Develop guidelines for cities' and private companies' procurement departments for purchasing green vehicles and transportation services, and conduct workshops for cities and private companies on their application and refinement over time.
London	**Trialing Energiesprong in London**	$169,200	None	Copenhagen, New York, Vancouver	Energiesprong UK / National Energy Foundation, London Housing Providers	This project seeks to prove the 'Energiesprong' concept by trialing the first ten net-zero energy Energiesprong refurbishments in the UK, and providing learnings and data for other cities (especially other megacities) so they may follow suit. This project builds on London's Round One grant "New Financial Models for Retrofitting Buildings."

Portland	**Capitalizing Carbon to Accelerate EV Charging Investments**	$100,000	New York, Seattle, Vancouver	None	General Motors; EVGO NRG; Puget Sound Energy; Drive Oregon; Siemens; Greenlots; Avista Climate Group; Tesla Motors; EV Connect; San Diego Gas & Electric; PlugShare; US Navy; AeroVironment; Idaho National Lab; US Dept. of Energy; TimberRock; Ball State University	Establish a Verified Carbon Standard-accredited EV Charging Station carbon credit methodology to provide EV charging infrastructure investors with access to a new source of capital to help achieve a sustainable, profitable business model: the voluntary carbon credit markets.
Portland	**The Thermal Break Shear Wall: Improving Energy Efficiency and Seismic Resiliency in Older Housing Stock**	$75,000	Vancouver	Seattle	Earth Advantage, Northwest Energy Efficiency Alliance (NEEA), Albina Construction, Oregon State University, Mpower	Test, analyze and document the use of Thermal Break Shear (TBS) wall assemblies in standard residential retrofit applications to advance a simpler, significantly more cost-effective approach to producing critical energy efficiency and seismic resiliency results across a significant population and geographic spectrum. This project seeks to verify that the TBS wall assembly approach is a valid retrofit strategy and, if so, to advance its acceptance as standard practice in energy and seismic retrofits of wood-frame dwellings across multiple jurisdictions.
Boston	**Bringing Renewable Thermal Solutions to Scale in New England**	$125,000	Northampton, MA, USA; Portland, ME, USA; Providence, RI, USA; Somerville, MA, USA	None	TBD	Develop renewable thermal options for cities across New England, targeting the market of oil- and electric-resistance-heated buildings, to accelerate the adoption of renewable thermal. This project aims to overcome a multitude of barriers to renewable thermal technologies achieving market penetration and support the scaling up of renewable thermal so that it can become competitive with natural gas and delivered fossil fuels in the United States and around the world. This project will build on the learnings from Boulder's Round One grant "Natural Gas, Fuel Oil & Related Thermal Energy De-Carbonization Strategies."
San Francisco	**EasyZero: Catalyzing Development of a National Scale Residential ZNE Retrofit Business**	$100,000	None	Palo Alto, CA, USA; San Carlos, CA, USA; Portland; Vancouver, Ann Arbor, MI, USA; Dearborn, MI, USA; Madison, WI, USA; Montpelier, VT, USA	Rocky Mountain Institute, Net-Zero Energy Coalition, Energiesprong, Passive House US, Pacific Northwest National Laboratory, State of New York	This project will partner with Rocky Mountain Institute to research the applicability of a Dutch ZNE residential retrofit model to San Francisco, and convene other "early adopter" jurisdictions that have parallel programs to inform this project. The goals of the convening are to share findings; prime manufacturers, project developers, and financial institutions for the program, and develop a road map to program deployment and resources required. The project will be informed by London's similar Round 1 project.

2016 LOI Scoring Criteria

4 = Excellent   3 = Good   2 = Mediocre   1 = Poor

	Selection Criteria	Description	Points Possible
1	**Problem Being Addressed**	Has the applicant clearly stated why this project is needed? Are the objectives of the project clear?	4
2	**Transformational**	Has the applicant identified how the project will be "transformational?" Does it fit within CNCA's definition of "transformational"?* Has the applicant described how the proposed project fits into their deep decarbonization work?	4
3	**Impact in Applicant City**	Is this topic important to CNCA members? Is the expected impact important? Did the applicant clearly identify expected project impacts and make a clear linkage between how the proposed project activities/outputs will lead to the intended impact? Did the applicant clearly identify how they will use, apply and/or scale the results/impacts?	4
4	**Potential for Broader Impact**	Is the proposed project replicable/scalable in other cities?	4
5	**Collaboration**	Are other CNCA and/or "next wave" cities participating in the project? If not, is there good potential for collaboration with other CNCA and/or "next wave cities?	4
6	**Deliverables**	Has the applicant clearly identified the top 1-3 "products" or deliverables that will come from the project? Are these the right products to deliver maximum value to Alliance cities? Is there a plan for the product(s) once they are delivered (i.e., next steps / phases, or dissemination?)	4
7	**Progress Measurement**	Has the applicant clearly identified what success will look like and how success will be measured?	4
8	**Amount Requested**	Is the grant amount requested reasonable? Is it enough or too much to actually do the work proposed? 2=Amount requested is appropriate / 1=Might want them to make a slight revision / 0=Grant amount is not appropriate	2
9	**Implementation Time**	Is the time required to complete the project reasonable? 1=yes / 0=no	1
		TOTAL	31

CNCA's working definition of "transformational" is "a strategy that leads to carbon neutrality being an expected and eventually mandated feature of a sector's operations by 2050 or sooner." The applicant may use this definition or provide their own. (If another is provided, it should be defined in 1 sentence.)