CNCA Innovation Fund Round Two Grantees

Lead City	Project Title	Amount (USD)	Other Participating/ Observing Cities	Description
Stockholm	Food and Energy in a Circular Economy	$100,000	Beijing, Paris	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	How to Scale Corporate Renewable Electricity PPAs in Australia	$100,000	Adelaide, Sydney, Yarra	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.
Copenhagen	Scandinavian Green Public Procurement Alliance	$100,000	Oslo, Stockholm, Boston, Boulder, Hamburg, London, Minneapolis, New York, Portland, San Francisco, Vancouver	This project looks at procurement within the cities Non-Road Mobile Machinery (NRMM) fleet and direct tendering of transport services. The partnership cities formed by the City of Copenhagen, the City of Stockholm and the City of Oslo, are brought together in a Green Public Procurement Alliance in a NRMM sector that has become an increasingly important source of CO_2 and air pollution in relative terms, especially of nitrogen oxides (NOx) and particulate matter (PM).

London	London Energiesprong Trial Project	$169,200	Copenhagen, New York City, Rio, San Francisco, Sydney, Toronto, Vancouver, Washington DC	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	Adelaide, Minneapolis, New York, Palo Alto, San Francisco, Seattle, Sydney, Vancouver	A sustainable, profitable business model for EV charging infrastructure investment is essential for cities to achieve their carbon goals for the transportation sector. This project will provide EV charging infrastructure investors with access to a new source of revenue to help achieve a compelling business model: the voluntary carbon credit markets. To unlock this carbon finance, we propose to establish a Verified Carbon Standard-accredited EV Charging Station carbon credit methodology. The resulting flow of carbon revenues will improve the profitability of EV charging installations and accelerate the spread of EV charging infrastructure.
Portland	The Thermal Break Shear Wall: Simultaneous energy efficiency and seismic resiliency improvements in standard housing stock	$75,000	Auckland, Copenhagen, Oakland, San Francisco, Seattle, Vancouver	The Thermal Break Shear (TBS) Wall project seeks to improve the energy efficiency and seismic resiliency in older housing stock by testing the use of an emerging approach to wall assemblies. Building off recent positive outcomes of an analysis on TBS wall assemblies used in new home construction, this project will verify that the same wall assembly approach is an effective retrofit strategy for all wood-framed single family and multifamily dwellings. This testing and verification will be conducted in the retrofit of a prototypical small multi-unit residential building. The project will then advance the understanding and acceptance of a TBS wall system as standard practice in deep energy and seismic retrofits of wood-frame dwellings across multiple jurisdictions, climate zones, and seismic zones.

Boston	Bringing Renewable Thermal Solutions to Scale in New England	$125,000	Boulder, Northampton, Portland (ME), Providence, Somerville	A team of five New England cities seeks to develop and implement pilot programs that will expand the early adoption of renewable thermal in the existing residential building stock. Key tasks for this project will include: a regional convening of cities and key stakeholders to support renewable heating and cooling (RH&C) market development and outreach; baseline and market segmentation analysis to identify key opportunities for RH&C in each city; and design and implementation of outreach and education campaigns to raise awareness and drive technology adoption. A final report will provide a post-project evaluation and synthesize the baseline analysis and outreach campaigns into replicable models that can be tailored to and deployed in other markets.
San Francisco	RealIZE: Bringing the clean industrial revolution to existing residential buildings	$100,000	Ann Arbor, Boulder, Dearborn, London, Madison, Montpelier, Palo Alto, Rio, San Carlos, Toronto, Vancouver, Washington DC	his project will develop a business model to bring the “Energiesprong” program from he Netherlands to San Francisco. Energiesprong is a program that has facilitated more than 6,000 residential zero net energy (ZNE) retrofits, with roughly 100,000 in hard commitments – primarily in affordable housing – by asking industry for a solution that meets four bold requirements: scale (very high volume), speed (construction completed in 2 weeks or less), self-financing (paid for via energy savings), and desirable (residents want to participate). Over the course of 12 months, the project team will assess existing residential building stock in San Francisco and the surrounding greater metro area, pre-aggregate demand among building owners, spark interest among technology and finance solutions providers, and leverage the efforts of other jurisdictions working to replicate the Energiesprong concept.

Total Round Two Awards: $879,240