

**CNCA Innovation Fund
Round One Grantees**

Title	Lead City/ies	Other Cities	Description	Primary Outputs	Amount
New Financial and Delivery Models for Retrofitting Buildings	London & Copenhagen	New York, Stockholm, Oslo, Sydney, Washington DC, Santa Monica	Evaluate the viability of the Dutch “Energiesprong” deep building retrofit model in London and three additional cities in the UK, and examine innovative financing mechanisms to support deep building retrofits.	<ul style="list-style-type: none"> • Report on the feasibility of the Energiesprong deep building retrofit model in London and 3 other UK cities, and assess its transferability to other cities around the world • Workshop and report on innovative financing mechanisms to support deep building retrofits (workshop tentatively scheduled for early October in Copenhagen) 	\$120,000
Accelerating the Transition to 4th Generation District Heating Systems	London	Vancouver, Minneapolis, Washington DC, Seattle, London boroughs, Gothenburg, Rotterdam, Cologne and Genoa	Develop a roadmap for London to transition buildings to “4th Generation” district heating networks supplied by local, renewable heat sources.	<ul style="list-style-type: none"> • Assessment of which of London’s building typologies can be cost-effectively connected to district heating networks, which would require retrofits to connect, and what types of retrofits would be required • Assessment of London’s most cost effective existing heat loads for future district heating master planning • Documented methodology 	\$125,000

				employed	
Natural Gas, Fuel Oil & Related Thermal Energy De-Carbonization Strategies	Boulder	San Francisco, Vancouver, Portland, Boston, Washington, DC, New York City	Develop strategies for decarbonizing thermal energy systems (heating, cooling, process uses) in different building types in two cities: residential and commercial/light industrial buildings in Boulder, and municipal buildings in San Francisco.	<ul style="list-style-type: none"> • Operations/business case demonstrating financially and logistically viable and compelling clean thermal energy replacement strategies for Boulder’s residential and commercial buildings, and San Francisco’s municipal buildings • Report identifying critical issues and barriers to be addressed to enable large scale implementation 	\$75,000
Mobility: Up-scaling Green Vehicles	Copenhagen	London, Stockholm, Oslo, San Francisco, Amsterdam, Hamburg, Sacramento	Advance critical green vehicle infrastructure, financing and coordinated demand in Northern Europe by strengthening collaboration between local and national governments and private sector stakeholders.	<ul style="list-style-type: none"> • 2-day workshop and report on critical infrastructure, financing and coordinated demand needs in Northern Europe (tentatively scheduled for early October 2015 in Copenhagen) • 3-5 proposal ideas for significant up-scaling of electric, biogas and hydrogen vehicle projects in Northern Europe, to be submitted for EU funding 	\$35,000
A Blueprint for Development Approval of Hydrogen Re-fuelling Stations	Sydney	Melbourne, Moreland, Berlin, Copenhagen, London, Oslo, Stockholm, Boston, New York, San Francisco, Seattle,	Create a blueprint for facilitating development approvals for hydrogen vehicle re-fuelling stations in Sydney and Melbourne.	<ul style="list-style-type: none"> • Primer on hydrogen re-fuelling station equipment and operations • Report on international hydrogen re-fuelling station equipment and operations standards, including best 	\$72,500

		Vancouver, Yokohama		<p>practice case studies</p> <ul style="list-style-type: none"> Guidelines for the development of hydrogen re-fuelling stations in Australia 	
Accelerating Net-Zero Energy High-Rise Residential Buildings in Australia	Sydney	Melbourne	Develop strategy for accelerating market transformation to net-zero energy high-rise (6 floors and above) residential buildings in Sydney	<ul style="list-style-type: none"> Analysis of how efficient buildings can be using currently cost-effective technologies and techniques, and what the cost premium is for moving beyond current 'best-practices' to net-zero energy Net Zero Energy Residential High-Rise Strategy for the City of Sydney 	\$60,000
Integrated Whole Energy System Decarbonization Strategy	Boulder	Seattle, Minneapolis	Develop a strategy for transitioning to district-scale low-carbon energy systems in 3 communities in Boulder, Seattle and Minneapolis.	<ul style="list-style-type: none"> District-scale low-carbon energy system transition scenarios for one neighborhood each in Boulder, Seattle and Minneapolis Set of case studies on what works and what doesn't 	\$125,000
Carbon Neutral Buildings: Accelerating Market Transformation to High Performing Building Envelopes in North American Cities	Vancouver	New York City, Seattle	Accelerate market transformation toward carbon neutral new buildings in North America by applying "Passive Haus" and other European models for significantly enhancing building envelope performance.	<ul style="list-style-type: none"> Carbon Neutral Buildings Strategy for the City of Vancouver High Performing Building Envelope Market Barriers and Best Practices Report One or more "Market Transformation Tools" for North American cities, such as: <ul style="list-style-type: none"> Marketing and 	\$90,000

				<p>communications materials</p> <ul style="list-style-type: none">○ Curated open-source database of Passive Haus equipment and suppliers in North America○ Catalogue of Passive Haus building details for common design challenges	
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Total Round One Grant Awards: \$702,050