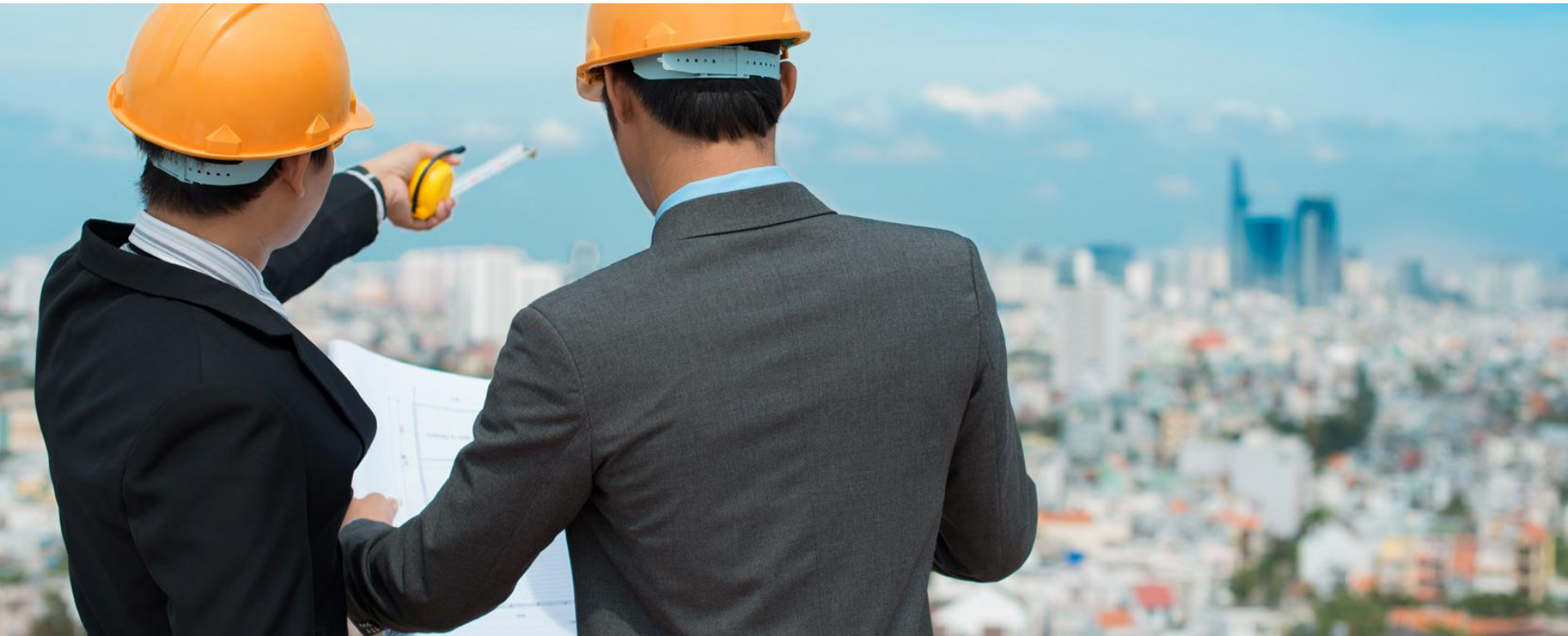


Using the Solutions Gateway

Low Carbon Solutions for Urban Development Challenges



Five easy steps

1

- Register

2

- Start browsing

3

- Take full advantage

4

- Use available support if needed

5

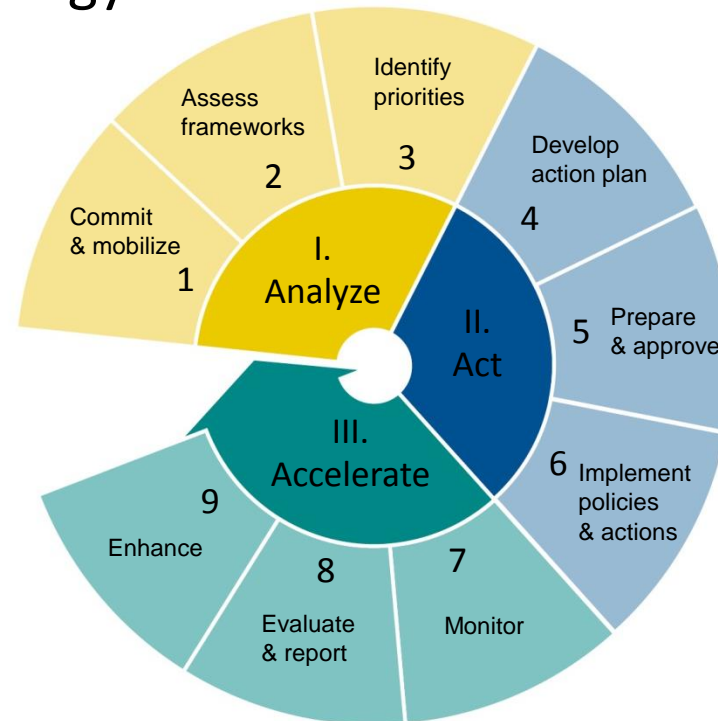
- Share your experiences and success

Getting started

Each city is unique

Solutions provide guidance on general conditions, which may differ from conditions in your city.

To help adjust Solutions to your particular context, ICLEI recommends using the Solutions Gateway in the framework of the GreenClimateCities methodology.



1

• Register

Why?

- To gain full access to advanced guidance:
 - Selected case studies
 - Tools, guides and other resources
 - Experts
- To gain access to interactive functionalities:
 - Share your results
 - Share your cities best practices
 - Rate Solutions
 - Download Solutions

1

• Register

<http://www.solutions-gateway.org/>

1)



1

- Register

2)

Login to Solutions Gateway

Email

Password

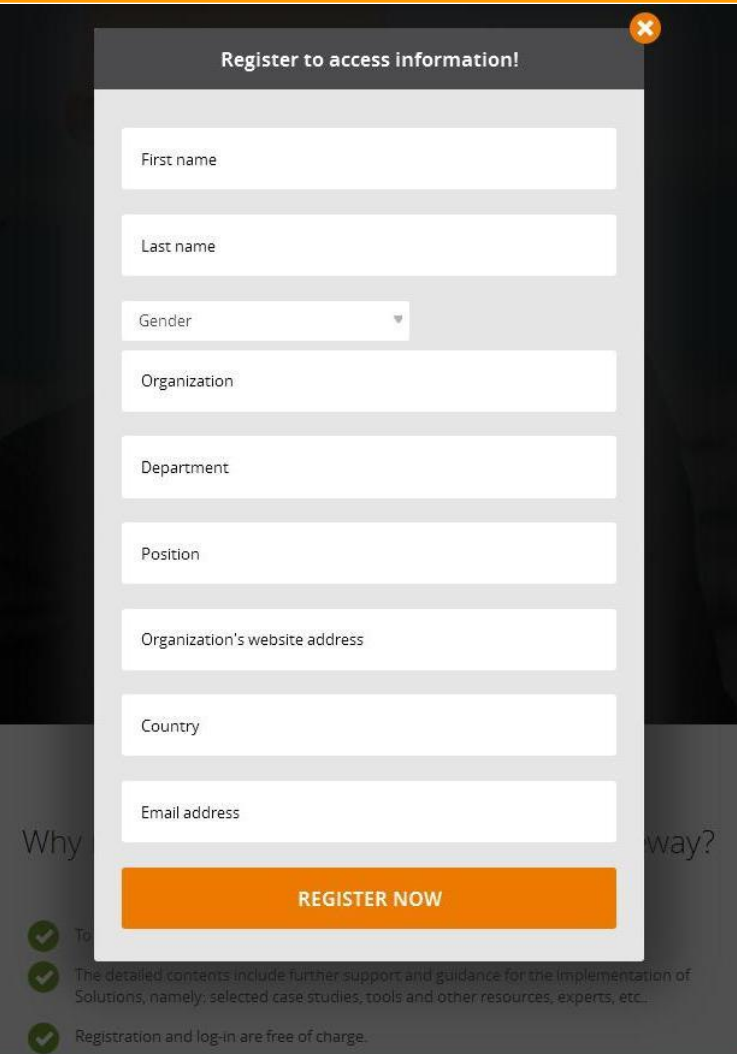
LOGIN REGISTER

[Forgot your password?](#) keep me logged in

1

• Register

- 3) Complete form and press “Register Now”



Register to access information!

First name

Last name

Gender

Organization

Department

Position

Organization's website address

Country

Email address

REGISTER NOW

Why way?

- ✓ To
- ✓ The detailed contents include further support and guidance for the implementation of Solutions, namely: selected case studies, tools and other resources, experts, etc.
- ✓ Registration and log-in are free of charge.

1

- Register

- 4) Receive email with password
(this may take from a few minutes to a few days)
Note: for Local Governments only!

And you are ready to login!

Login to Solutions Gateway

Email

Password

LOGIN REGISTER

Forgot your password? keep me logged in

2

- Start browsing



- Purpose: This section explains the search functions which are available so that you can quickly find what you are looking for.

2

• Start browsing

Advanced search

Free text search

Search

Sort by themes

Solutions

Solution Packages

Case Studies

What are Solutions?

In the context of the Solutions Gateway, Solutions are processes, or groups of actions, which Local Governments can implement to deliver climate change mitigation results and enhance local sustainable development. Taking an integrated approach, and focusing on Local Governments usual responsibilities and roles, Solutions include core actions as well as enabling and multiplying actions essential to maximize their effectiveness and efficiency. These include policy, regulatory, governance, capacity building, awareness raising, stakeholder engagement, etc.

11 non-filtered results found Results per page: 1-50

Sustainable Procurement
Sustainable procurement is the act of purchasing products and services with the lowest...

Central air-conditioning with natural refrigerants in municipal buildings
The use of natural refrigerants in Air-Conditioning Systems, in replacement of currently...

Solar hot water in municipal buildings and facilities
Solar water heaters use energy from the sun to heat water. In this Solution, the Local...

Solar hot water at community-scale
The Local Government implements a set of integrated measures to deploy solar hot water in...

Waste incineration with energy recovery
Waste incineration is a widely applied technique in developed countries (especially Japan...

Results list
(begins unfiltered)



Sort by themes

-  Solutions
-  Solution Packages
-  Case Studies

What are Solutions?

In the context of the Solutions Gateway, Solutions are processes, or groups of actions, which Local Governments can implement to deliver climate change mitigation results and enhance local sustainable development. Taking an integrated approach, and focusing on Local Governments usual responsibilities and roles, Solutions include core actions as well as enabling and multiplying actions essential to maximize their effectiveness and efficiency. These include policy, regulatory, governance, capacity building, awareness raising, stakeholder engagement, etc.

3 filtered results found Results per page: 1-50

- Energy-efficient urban water supply**
This Solution was tailored to Local Governments who have ownership and/or regulatory...
- Water-losses reduction in urban water supply**
This Solution was tailored to Local Governments who have ownership and/or regulatory...
- Integrated Water Resources Management**
Although Local Governments (LGs) generally do not have a specific mandate to manage water...

Click button to remove all filters

Show more Solutions

3

- Take full advantage

Explore the resources provided in Solutions & Packages:

Short-cut to key resources to...



The screenshot shows the 'solutionsgateway' website interface. The top navigation bar includes the 'sg. solutionsgateway' logo, 'URBAN LEDS' branding, and links for 'ABOUT', 'SUPPORTERS', 'CONTACT', and 'LOGIN'. The breadcrumb trail indicates the current page is 'solar hot water in municipal buildings and facilities'. The left sidebar menu contains four items: 'Workflow', 'Resources', 'Experts', and 'Finance Tool', with 'Resources' highlighted by a green circle. The main content area features a card for 'Solar hot water in municipal buildings and facilities' with a description, a 'Motivation / Relevance' section, a 'Main impacts' section with three green checkmarks, and a 'Benefits and Co-Benefits' section with three green checkmarks. At the bottom, there is a table of contents with three items: 'Overview', 'Reality Check', and 'Workflow', each with a right-pointing arrow and a lock icon.

...expand collapsible sections and get access to full details



Navigation to resource types



4

- **Use available support if needed**

- Pool of Experts discussion groups
 - for questions on specific sectors, e.g.: transport, energy, etc.
 - To seek experts
- FAQ
 - E.g.: to find complete list of Solutions and Packages available
- Glossary
- Tutorial
- Contact / feedback form online (ICLEI WS)
- Contact your ICLEI Regional Office

- Share your experience and success

Home > Solutions > Landfill gas recovery for energy production .


 Workflow


 Resources

 Experts

 Finance Tool

 Report Results

 Share Materials

 Rate Solution

 Print Solution



Landfill gas recovery for energy production

Organic matter present in landfill experiences a biological decomposition under anaerobic conditions with an accompanying production of methane (CH₄) and carbon dioxide (CO₂) which contribute to the greenhouse effect and climate change. Sanitary landfills install a piping system for the removal of the landfill gas generated, thus minimizing combustion and explosion hazards. Even simple flaring of the

landfill gas can minimize the climate change impact of waste disposal by converting methane into carbon dioxide, since the global warming potential of the first is over twenty times larger than the latter's. Going one step further, the landfill gas can be collected and used for heat and/or electricity production, displacing the use of fossil fuels for the production of the same amount of energy.

Since the collection and treatment of municipal solid waste usually lies within the responsibilities of the Local Government, municipalities can have a very direct influence on waste and waste-to-energy strategies, and often play the role of facility owner.

Motivation / Relevance

Landfill CH₄ is the largest source of GHG emissions from the waste sector. Global CH₄ emissions from landfills are estimated to be 500-800 MtCO₂eq/year. [2] While the rate of waste disposal in landfills in the EU is decreasing (waste disposal in EU-27 decreased from 54% in 2004 to 45% in 2010 [11]), rates of landfill CH₄ emissions are expected to increase in developing countries due to an increased use of controlled and sanitary landfills for waste disposal to control open dumping. In Brazil, 89% of the waste generated in 2000 was either disposed of on open dumps and in landfills (controlled and sanitary) [8].

5

- Share your experience and success

How can we promote you?

- With quotes about the Solutions Gateway:
 - From politicians and technical staff
- With success indicators, such as:
 - Solutions incorporated into municipal workplans
 - Public / private investment
 - GHG mitigation results
 - Other benefits

We will be happy to disseminate your success using our web & social media!

Solutions Gateway

Low Carbon Solutions for Urban Development Challenges

START EXPLORING!

www.solutions-gateway.org



Your success is our success!

Provide feedback to help us improve the Solutions Gateway for your future use



- How was your overall user experience?
- Do you find the level of detail of the contents adequate?

Disclaimer

- Each city is unique. Guidance is provided on general conditions, which may differ from conditions in your city.
- The LG is responsible for assessing the feasibility of Solutions in the local context prior to implementation.
- Contents are developed by experts according to good practices identified. Considering the evolution of technology and practices, the contents may be updated without notice.

The Solutions Gateway was developed under the Urban-LEDS project, implemented by ICLEI and UN-Habitat.

www.urban-leds.org

The Urban-LEDS project has been developed with financial assistance from the European Union. The views expressed in this project can in no way be taken to reflect the official opinion of the European Union.

