



The Muhanna Foundation

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Why Waffir ("Save")?

Streetlamps that are lit during the day do not only waste energy and other resources.

They also deprive other citizens from having much needed energy at the same time.



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Educating Citizens and Providing Tools

- Most citizens do not know the extent of costs associated with streetlamps that are **wrongly lit during the day**.
- Moreover, almost *no one* knows what to do about this problem.
- So, it is not enough to educate the public but also to provide an easy tool to assist in saving energy and money.



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Waffir Concept

Waffir was conceived and developed by The Muhanna Foundation. It is the first application of its kind in the world.

It is a free application that is downloadable on all smart phones:

- ✓ [iPhone from App store](#)
- ✓ [Androids from Google Play](#)

Waffir allows anyone to report an improperly lit streetlamps wherever they are, in real time.



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When to use Waffir?

If while driving, walking or gazing down a street during daytime you notice a streetlamp turned on that could mean one of two things:

- ✓ the **on/off** switch that operates the streetlamp is not functioning properly;
- or
- ✓ the set of streetlamps is undergoing maintenance (very little chance)



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What could you do?

Activate **Waffir** by touching the Waffir icon on your smart phone then touch any place in lower half of the phone screen.



Waffir will prompt you to confirm.

You may wish to repeat this action several times to reflect the number of streetlamps that are lit.

Waffir displays a counter of your actions.



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How does Waffir work?

With every touch of Waffir, an **anonymous** message with the time and place of the wrongly lit streetlamp is transmitted to an **administrator** (at no cost to you).

The notification will take place immediately if you are connected to a 3G. Otherwise, your phone will remember the time and place of your action and it will send the notification message(s) once you are connected to a 3G or wifi



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The Administrator of Waffir

Waffir may be administered by **any organization** that is committed to support local governments in their endeavor in saving money and the country at large in saving energy.

In Lebanon, the Muhanna Foundation has assumed this role.



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The Role of the Administrator

The administrator then identifies the municipality that is responsible for the wrongly lit streetlamp and notifies the municipality or the local authority accordingly.

The Administrator undertakes the responsibility to separately **notify** each municipality of any streetlamp that is lit wrongly two days in a row or more in its jurisdiction.



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The Form of Notification

The **Administrator** will, on a weekly basis, notify each municipality through email or fax with the information regarding the streetlamps that were lit during the day:

- ✓ Name of the Street
- ✓ Date & Time
- ✓ Number of Waffir Reporting Hits



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Waffir & Accountability

In order to hold municipalities accountable for their actions (or lack thereof), the **Administrator** shall notify the media if three weekly reports were sent to a municipality regarding the same street and the streetlamps continued to be lit at the wrong times of day.



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Help us save energy, spread the word

Channels and appropriate vehicles

- ✓ Leaflets & Booklets
- ✓ Television & Radio
- ✓ Posters & Comics
- ✓ Mailing
- ✓ Presence on forums or exhibitions
- ✓ Organization of special days
- ✓ **SOCIAL MEDIA**



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Incentive to continue using Waffir

The administrator will maintain a **facebook** page reflecting the activities of Waffir:

- ✓ Weekly summaries of reporting
- ✓ Actions (or lack) of municipalities
- ✓ Allows you, the responsible citizen to voice your concerns



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Donated to UN Habitat

Although **Waffir** was launched in Lebanon, the application is designed to work in any country.

The Muhanna Foundation is pleased to donate **Waffir** and its back office model to the **UN Habitat** to distribute to any organization that is willing to act as Administrator in its Jurisdiction under current terms and conditions, i.e. **administering for free**.



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Contact Us?

Feel free to contact us if you have any problem, inquiry or feedback:

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