**ETHIOPIA**

**ENERGY AND ENVIRONMENT FACTSHEET**

**ETHIOPIA**

**STRAIGHT OBJECTIVES**

1. Increase access to clean fuels, technologies, electricity, and efficient energy sources for refugee and host communities.
2. Facilitate a market-based supply system to increase energy access.
3. Strengthen community engagement and local production of renewable energy technologies.

- Support partners in implementation of pledge made at the Global Refugee Forum (GRF) and the national energy strategy.
- Explore potential for attracting partners in the renewable energy sector, such as IFC Lighting Africa Program to refugee hosting regions, through a market-based approach.
- Expand the provisions of alternative energy solutions to ensure sustainability and cost-efficient options for refugees and host communities.
- Undertake Environmental Impact Assessments (EIA) on deforestation with the aim of expanding natural resource management.

**PROGRESS**

**Clean Energy**

*Production of carbonized biomass briquettes
*Connection of communal kitchens to the national electrical grid...

**Alternative Cooking Fuel**

* As of now, 23,000 refugees have access
* 141,000 refugees and 15,000 nationals to get access in Afar, Gambela and Somali

**Solar Power**

More than 1,500 refugee households and small businesses in Melkadida bought solar power

**Tree-planting**

more than 1.7 million multi-purpose trees in 2020/21.

**PROGRESS / MAIN ACHIEVEMENTS**

Together with partners, UNHCR is scaling up access for refugees and host communities, including through expansion of access to clean cooking energy, connection of communal kitchens to national electrical grid, where feasible, and introduction of fuel wood, fuel-saving stoves and biomass energy.

More than 23,000 refugees have access to alternative cooking fuel, while an additional 150,000 refugees and host community members, are expected to benefit from ongoing energy projects in Afar, Gambela and Somali Regions.

UNHCR is supporting refugee households and small businesses in Melkadida, in the Somali Region, with solar power energy to light up their homes and shops.

UNHCR and partners have planted more than 1.7 million multi-purpose trees in 2020/21.

**CHALLENGES**

1. Limited resources to meet the high demand for energy and environmental rehabilitation activities.
2. Limited ability for refugees to pay for local energy services.
3. Lack of sustainability of existing projects due to limited community buy-in.
Main environmental achievements | 2020 - 2021

1.7 million
# of tree planted

353
# of hectares of land rehabilitated

76
# of hectares of woodlot, planted for cooking fuel supply

Access to Household and Community Lighting

3,103
# of solar street lights installed in the camps
(Total camps : 25)

58,166
# of households with access to modern household lighting

Core impact indicators

11% 📉
Proportion of persons of concern with primary reliance on clean (cooking) fuels and technology
(Target 2022 : 20%)

25% 🌟
Proportion of persons of concern that have energy to ensure lighting

Ongoing projects and achievements by Sub-Office

Assosa
Ongoing Projects:
Briquette & Community Kitchen

Gambella
Ongoing Projects:
Briquette, stove, Energy kiosk

Melkadida
Ongoing Projects:
Solar Mini-grids & Solar Home System

Environment and Fuel

<table>
<thead>
<tr>
<th>Offices</th>
<th>Tree seedlings planted</th>
<th>Households with access to grid connected communal kitchens</th>
<th>Households with access to Briquettes</th>
<th>Households with access to other fuels (biogas, etc.)</th>
<th>Hectares of woodlot planted for cooking fuel supply</th>
<th>Hectares of land rehabilitated</th>
<th>Households with access to modern household lighting</th>
<th>Solar street lights installed in the camps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assosa</td>
<td>540,000</td>
<td>80</td>
<td>1,240</td>
<td>1,500</td>
<td>108</td>
<td>36</td>
<td>1,500</td>
<td>60</td>
</tr>
<tr>
<td>Gambella</td>
<td>859,000</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Jiiga</td>
<td>156,000</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>9</td>
<td>-</td>
<td>-</td>
<td>2,902</td>
</tr>
<tr>
<td>Melkadida</td>
<td>74,000</td>
<td>-</td>
<td>500</td>
<td>-</td>
<td>30</td>
<td>-</td>
<td>-</td>
<td>11,500</td>
</tr>
<tr>
<td>Samera</td>
<td>40,000</td>
<td>-</td>
<td>1,000</td>
<td>-</td>
<td>16</td>
<td>-</td>
<td>-</td>
<td>5,898</td>
</tr>
<tr>
<td>Tigray / Shire</td>
<td>77,000</td>
<td>9,206</td>
<td>-</td>
<td>-</td>
<td>29</td>
<td>-</td>
<td>-</td>
<td>4,187</td>
</tr>
<tr>
<td>Total</td>
<td>1,746,000</td>
<td>9,286</td>
<td>2,740</td>
<td>1,500</td>
<td>353</td>
<td>76</td>
<td>58,166</td>
<td>3,103</td>
</tr>
</tbody>
</table>

Solar Lantern and Street Light Distribution

<table>
<thead>
<tr>
<th>Offices</th>
<th>Solar street lights installed in the camps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assosa</td>
<td>60</td>
</tr>
<tr>
<td>Gambella</td>
<td>-</td>
</tr>
<tr>
<td>Jiiga</td>
<td>262</td>
</tr>
<tr>
<td>Melkadida</td>
<td>1,485</td>
</tr>
<tr>
<td>Samera</td>
<td>-</td>
</tr>
<tr>
<td>Tigray / Shire</td>
<td>-</td>
</tr>
<tr>
<td>Total</td>
<td>2,111</td>
</tr>
</tbody>
</table>

Detail interventions by activity and Sub-Office | 2020 - 2021

Afar
Ongoing Projects:
Grid Electrification, Briquette & Community Kitchen

Environment and Fuel

<table>
<thead>
<tr>
<th>Environment and Fuel</th>
<th>Solar Lantern and Street Light Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

UNHCR Representation
UNHCR Sub Office
UNHCR Field Office
International boundary
Undetermined boundary*
Admin 1 (Region) boundary

Persons of concern that have energy to ensure lighting

Persons of concern with primary reliance on clean (cooking) fuels

Acceptable (>60%) 🟢
Unacceptable (20-59%) 🟥
Critical (<20%) 🟥