Formed in 2009, the Water Resources Action Project (WRAP) is a volunteer, 501(c)(3) non-profit seeking to improve public health to underserved communities in the Middle East through greater water stewardship.

Emphasizing a “results only” approach, WRAP actively sponsors, designs, and implements the installation of rainwater harvesting systems in schools suffering from dire water shortages. A parallel educational program and routine system maintenance are both critical components of all projects.

To date, WRAP has projects underway in two East Jerusalem schools, one school in the West Bank, and two schools in Northern Israel.

The harvesting system collects and stores precious rainwater during the six-month rainy season (November-April). The collected water is used primarily for toilet flushing, which can account for 85% of a school’s total water usage. Based on the type of system (rain barrel or cistern), the stored water can provide up to 70% of a school’s total water needs. A strong parallel educational program is coordinated by a trained Project Educator, working within the school each week while students are in session.

Students, faculty, and maintenance personnel develop a grounded understanding of how the system functions, its purpose, and impact.

The Need

The amount of water available per person in the Middle East is the lowest in the world. Water shortages intensify as populations continue to grow and infrastructure remains inadequate.

Schools and children within this region are particularly impacted. A reliable supply of water is critical for flushing toilets, washing hands, and keeping restrooms clean. A lack of water leads to hygiene and sanitation issues for these children, and in some cases, restroom and school closures.

Rainwater harvesting and conservation offer a partial solution for water scarcity in this region and could make a real difference in the quality of life and learning for these students.

Who We Are

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Why WRAP?

- Funding goes directly towards projects and the communities being served
- Projects undergo extensive in-person screening
- Grassroots partners live and work within the project communities
- Projects include strong parallel educational programs
- Projects include ongoing reporting and maintenance

Discover WRAP...Make a Difference!

Website: www.wrapdc.org  
Facebook: www.facebook.com/wrapdc  
Twitter: @WRAP_DC

Water Resources Action Project, Inc.  
1001 Pennsylvania Ave NW, Suite 7105  
Washington, DC 20004
### CURRENT EFFORTS

<table>
<thead>
<tr>
<th>Where</th>
<th>Al Afaq School for Special Education</th>
<th>Battir Girls High School</th>
<th>Tuba Zangaria Middle School</th>
<th>Eynot Yarden Day School</th>
</tr>
</thead>
<tbody>
<tr>
<td>Who</td>
<td>800 Arab girls (grades 1-12)</td>
<td>300 Arab boys with special needs (grades 6-12)</td>
<td>387 Arab Israeli/Palestinian boys and girls (middle school, 3 grades)</td>
<td>430 Jewish boys and girls (middle school, 6 grades)</td>
</tr>
<tr>
<td>What</td>
<td>Rain barrel system</td>
<td>Rain barrel system</td>
<td>Cistern system</td>
<td>Rain barrel system</td>
</tr>
<tr>
<td></td>
<td>Educational program</td>
<td>Educational program</td>
<td>Educational program</td>
<td>Expanded rain barrel</td>
</tr>
<tr>
<td></td>
<td>Data reporting</td>
<td>Data reporting</td>
<td>Data reporting</td>
<td>system</td>
</tr>
<tr>
<td></td>
<td>Maintenance</td>
<td>Maintenance</td>
<td>Maintenance</td>
<td></td>
</tr>
<tr>
<td>Why</td>
<td>Water for toilet flushing and gardening</td>
<td>233,800 Liters conserved</td>
<td>Water for toilet flushing Cost savings of over 40% on municipal water bills</td>
<td>Water for toilet flushing, gardening, and agricultural research</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100,000 Liters conserved</td>
<td></td>
<td>Liters conserved pending upcoming rainy season</td>
</tr>
<tr>
<td>How</td>
<td>Local Partners: Only Green Environmental Center and Friends of the Earth Middle East</td>
<td>Local Partner: Only Green Environmental Center</td>
<td>Local Partner: Friends of the Earth Middle East</td>
<td>Local Partner: Arava Institute’s Youth Environmental Education Peace Initiative</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Local Partner: Arava Institute’s Youth Environmental Education Peace Initiative</td>
<td></td>
<td>Local Partner: Friends of the Earth Middle East</td>
</tr>
</tbody>
</table>

**Total Cost:** $11,657

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### UPCOMING EFFORTS

**Jordan**

- **Lenticular Secondary School for Girls**
  - Village of Al Adaseya
  - 274 girls
  - Rain barrel system, maintenance, and educational program
  - Local Partner: Friends of the Earth Middle East
  - **Total Cost:** $11,657

**Israel**

- **Rotary Hands Across Waters Program**
  - Network of 20-30 schools across Israel
  - Joint educational activities using principles of water conservation as a platform for promoting social interaction between various ethnic and religious communities
  - Local Partners: Rotary Club of Haifa, Israel & Hi-Teach Youth, Water & Knowledge Program
  - **Rotary Global Grant:** $162,000

**West Bank**

- **Al-Sedeeq Primary School**
  - Village of Husan
  - 389 Arab boys, 13 grades
  - Cistern system, maintenance, and educational program
  - Local Partner: Friends of the Earth Middle East
  - **Total Cost:** $18,600

**Visit wrapdc.org to see how your donation can make a difference.**