



## Title: Clean Drinking Water for School Children/ Agua Potable para Niños de Hidalgo

### PROYECT DETAILS

#### Project Objective:

Convince elementary and secondary school students to drink water instead of sugary bottled drinks. Prevent the development of diabetes and gastrointestinal ailments. Put into practice school curriculum for Education for a Healthy Life (students drinking 8 glasses of water a day).

Convencer a los niños en edad escolar a tomar agua simple en vez de refrescos azucarados. Prevenir el desarrollo de diabetes y enfermedades gastrointestinales. Poner en práctica exhortaciones del programa de Educación para la Vida Saludable de tomar ocho vasos de agua al día.

**Country/Location:** México

**Focus Area:** Prevención y Tratamiento de Enfermedades

**Implementation Year:** 2027

**Total Project Budget:** \$30,000.00 USD

**Missing Funds:** \$2,725.00 USD

#### Community Assessment:

Knowing how to provide clean water to school children: Previous projects had been costly and ineffective due to requirements for specialized maintenance

A Rotary Pachuca Sur Project with Heart to Heart in 2022 provided clean drinking water at low cost with filter maintenance provided by parents/school personnel. All 11 filters donated still providing clean drinking water for schools.

School supervisors distributed parent surveys to all 80 Elementary and 4 secondary schools in the region, 60 returned, indicating water use and purification practices in each community. Results analyzed in light of supervisor's knowledge of each community.

#### Project Design:

Distribution of filters in initial inservice meetings for responsible staff members. Distribución de filtros en reuniones de capacitación para personal responsable en cada escuela.

School personnel, parents, and school health committees.

Content/contenidos:

Best practices for safe water storage (clean containers, covered, dispensers). Mejores prácticas para el almacenamiento de agua.

Prevention of contamination at points of use (individual cups, hand hygiene). Prevención en los puntos de uso.

Cleaning and disinfection of containers and dispensing areas. Limpieza y esterilización de contenedores y áreas de dispensa.

Identification of cross-contamination risks (bathrooms, garbage, animals). Identificación de riesgos de contaminación de otros factores.

Hygiene protocols for personnel handling water. Protocolos de higiene para el personal en el manejo del agua.

School personnel (principals, custodians) and parent association members. Personal escolar (directores, maestros, personal de mantenimiento, miembros de asociaciones de padres de familia).

Content/contenidos:

Filter operating principles (filtration, capacity, lifespan). Información operativo de los filtros (procesos de filtración, capacidad, vida útil)

Installation and startup (assembly, connection, flow, dispensing points). Instalación y arranque (ensamblaje, conexión, flujo y puntos de dispensa)

Routine maintenance: membrane cleaning (backwash), valve inspection, leak detection, cleaning and disinfection of all filter surfaces and internal reservoirs. Rutinas de mantenimiento: limpieza (backwash) de membrana, inspección de válvulas, detección de fugas, limpieza con cloro del armazón y reservorios.

Identification of common failures and basic troubleshooting.

Operation logbook recording (cleaning dates, volume treated, incidents). Bitácora de operaciones (fechas de mantenimientos, volúmenes de agua aproximados, incidentes)  
Encuestas de seguimiento cuatrimestrales para directores (para detectar problemas con instalación, ubicación, mantenimiento, acceso estudiantil). Quarterly school surveys of school principals (to detect problems with installation and/or location, maintenance, student access).

**Direct Beneficiaries:**

6412 students, 650 school personnel, Approx. 10,000 parents  
6412 estudiantes, 650 personal escolar, aproximadamente 10,000 padres de familia

**Sustainability:**

No todas las escuelas decidieron participar. Escuelas participantes (75% del total encuestados) están convencidos de los beneficios.  
Filtros Lifestraw Community no requieren electricidad y solo mantenimiento sencillo llevado a cabo por personal escolar o comités de padres de familia.  
Los costos de los filtros se están bajando. Costo en 2022: 1000 dólares. Costo en 2026: \$340  
Permite vivir el currículum para la vida saludable. Acceso a agua limpia en escuelas por primera vez permite que los alumnos tomen 8 vasos de agua al día.  
Capacitación inicial para personal escolar y padres de familia.  
Encuestas cuatrimestrales de seguimiento para directores de plantel para detectar problemas con instalación, mantenimiento, y acceso estudiantil.  
Not all schools chose to participate. Participating schools (75% of total) are convinced of benefits.  
Lifestraw Community Filters require no electricity and only simple maintenance, provided by parents association and/or school personnel  
Costs coming down: from \$1000 in 2022 to \$340 in 2026  
Placing filters in schools to support health education provides a convincing demonstration of usefulness in getting kids to drink 8 glasses of water a day.  
Initial in-service training of school personnel/parents for all schools.  
Quarterly surveys of school personnel to detect problems and measure school days of clean water times number of students.

**Collaborators:**

Supervisor de Sector Educativo Norberto Perez (Huichapan, Nopala, Tecozautla)  
Supervisores de Zona/Educational Zone Supervisors for Primary and Secondary Education  
Directores de Escuelas/ School Principals  
Personal Escolar de 60 escuelas/ School staff 60 schools  
Comités de Padres de Familia de 60 escuelas/ Parents Associations in 60 schools  
Empleado para visitas escolares/ 1 employee for school troubleshooting visits

**Evaluation and Monitoring:**

Numbers of parents and school personnel trained. Números de padres de familia y personal escolar entrenados.  
As revealed by quarterly surveys of school directors:  
Number of functioning filters in schools. Numero de filtros en funcionamiento en escuelas.  
Number of students and school personnel benefited. Numero de estudiantes y personal escolar beneficiados.  
Filter durability. Vida útil de los filtros.

**PROJECT CONTACTS**

**Host Club:** Rotary Pachuca Sur (District 4170)

**Contact:** Eric Spindler - ejspin@hotmail.com

**PROJECT FINANCE SUMMARY**

**Finance Calculator**

**Funds Sources (Requested / Committed)**

Source	Club (Cash)	District (DDF)	Match + 5% Fee	Total
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Rotary Pachuca Sur (Cash)	\$3,675.00 USD	-	<b>+\$183.75 USD</b>	\$3,675.00 USD
Distrito 4170 (FDD)	-	\$3,000.00 USD	<b>\$2,400.00 USD</b>	\$5,400.00 USD
N/A (Cash)	\$3,800.00 USD	-	<b>+\$190.00 USD</b>	\$3,800.00 USD
Distrito Intl N/A (FDD)	-	\$8,000.00 USD	<b>\$6,400.00 USD</b>	\$14,400.00 USD
<b>TOTALS</b>	<b>\$7,475.00 USD</b>	<b>\$11,000.00 USD</b>	<b>\$8,800.00 USD</b>	<b>\$27,275.00 USD</b>

**\*\* Required FDD \*\***

**\$8,800.00 USD**

Total Requested Budget	<b>\$30,000.00 USD</b>
Total Obtained Funds	<b>\$27,275.00 USD</b>
<b>** Funding Gap **</b>	<b>\$2,725.00 USD</b>
Total 5% Cash Fee (info only)	<b>\$373.75 USD</b>

## DOCUMENTS, PHOTOS & FILES (CLICK TO OPEN)

### FOLDER: EJECUTIVA

(1 FILES)

[DOCX] Ficha Proyectos Agua 2025.docx

47 KB

### FOLDER: FOTO PROMOCION

(1 FILES)

[JPG] Initial surveys filtros 2.jpg

625 KB

### FOLDER: FOTO SITIO

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[JPG] Danzibojay filter 3.jpg

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### FOLDER: OTROS

(1 FILES)

[DOCX] Clean Drinking Water for the Children of Huichapan. revised].docx

1,950 KB

### FOLDER: PRESUPUESTO

(1 FILES)

[XLSX] Total Budget filtros2026.xlsx

38 KB