

Transforming Lives with Local Solutions



JOINT DEVELOPMENT ASSOCIATES INTERNATIONAL, INC.



ANNUAL REPORT 2018

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INTRODUCTION

Beyond the lens of war, Afghanistan's deep political divisions, structural government challenges and economic fragility are hampering development progress and the prospect of durable peace. The current intensification of fighting and growing insecurity are restricting the Afghan population from access to humanitarian aid and essential services.

Water is of great concern in Afghanistan today. In 2018, drought affected more than two thirds of Afghanistan, forcing more than 250,000 people to abandon their homes.

The drought has unleashed a host of problems on already impoverished communities,

reducing incomes by half, debilitating people's health and causing households to engage in negative coping mechanisms—all which have had an adverse impact on their physical and psychological well being.

Despite these challenges, JDA's work in agriculture, Water Access, Sanitation and Hygiene (WASH) and Nutrition have continued with great results. We strongly believe in providing as much training as necessary to help sustain life change within vulnerable communities.

In Iraq, the RIVAL (Returnees, IDPs*, Vulnerable Iraqis Attain Livelihoods) program is just commenced. JDA has

partnered with a Dutch NGO, ZOA International, to aid displaced families return to their homes after being pushed out of their villages by ISIS. Activities for this program will include rehabilitation of homes and cash for work programs to support the livelihoods of Yazidis and Chaldean Christians. Yazidi IDPs come from Sinjar Province and are living in tents, and Chaldean Christians are IDPs from Batnaya and Telkaif. The program is currently in the initial stages and will go into full implementation in early 2019.

*IDPs: Internally Displaced Persons

AREAS OF WORK



OUR MISSION

JDA's mission is to assist in the transformational development of local communities by helping initiate and implement projects in areas of agriculture development, clean water, poverty alleviation, infrastructure development, community health education and emergency aid and relief. We believe each person has unique creative abilities to make a difference in their lives, in their families, in their communities and in their nation, and we seek to empower these individuals and communities to tap into this creative potential by facilitating community projects through organizational and technical support.

OUR VISION

JDA engages with the people in a spirit of humility and respect. We are a catalyst encouraging individuals to believe in their potential to be change agents of their own lives and to conceive and actualize their vision of the future for themselves, their families, and communities.

OUR COMMITMENT

ASSIST IN TRANSFORMATIONAL DEVELOPMENT

JDA serves all people without regard to race, gender or religion.

SERVE ALL PEOPLE

JDA catalyzes transformational development and builds capacity in local communities.

TOUCH LIVES

JDA touches lives with a worldview that brings hope.

ENCOURAGE INDIVIDUALS

JDA encourages individuals and communities to take responsibility for their future.

STIMULATE CREATIVITY

JDA stimulates individuals and communities to apply their creative abilities to solve the problems they are faced with.

BUILD CAPACITY

JDA builds capacity and skills in local staff and leaders, leading to transformation.

FIGHTING THE WATER CRISIS



Clean water is one of life's most critical necessities and crucial to good hygiene practices. Providing clean water continues to be an essential component of our development work in Afghanistan. We have seen the immediate impact wells have on communities. Wells provide a pure water source, minimize the burden of water born diseases, and help communities start good hygiene practices.

Ten wells were drilled in Balkh, Dehdadi, Nahre Shahi, and Sholgara Districts, supplying water to 6,984 people. The average depth of each well is 68 meters, and provides water to an average of 116 families.

Additionally, 17 hand

pumps were repaired, restoring access to water in several communities. Hand pump repair training activity educated 44 men on the maintenance and repair of hand pumps and equipped them with repair tools.

The training allows men to contribute to their communities, ensuring continued access and securing long term impact.

Micro filters have been an effective solution to treat water from available sources and remove harmful bacteria. JDA distributed 161 Sawyer filters to training hosts, and 88 were sold at a subsidized price for hygiene trainees. Another 213 filters were distributed to Charkint district for drought relief.

EMERGENCY RESPONSE



SAWYER WATER FILTER DISTRIBUTION

Low snow and rainfall resulted in shortage of water affecting more than 156,000 people in Balkh Province, Afghanistan (FEWS NET).

One of the worst affected districts was Charkint, which is a mountainous area where no wells can be drilled because ground layers are not favorable.

Residents of Charkint have been consuming water from polluted water dams. The situation has caused diarrhea, giardia and several other types of water-borne diseases that are affecting the health and quality of life of many people, especially children. The provision of safe drinking

water is the prime responsibility of a civilized society. It is important that water is available, but that it is also free of pollutants. In September, JDA provided 213 water filters to the people of Kanaqaq village in Charkint. Water filters are not a permanent solution, but it is the most immediate alternative allowing families to filter the available water drawn from dams and cisterns and avoid disease.

The filter distribution benefited 1,152 people. All recipients were properly educated on the use and maintenance of the filter.



Sawyer PointOne Filters use a hollow fiber membrane with small (0.1 micron absolute) pores that no bacteria, protozoa, or cysts like E.coli, Cholera and Typhoid can get through.

Learn more about Sawyer PointOne Filters at www.international.sawyer.com

ACHIEVEMENTS

CLEAN WATER ACCESS

10

WELLS
CONSTRUCTED
& HAND PUMPS
INSTALLED

17

HAND PUMPS
REPAIRED

44

MEN TRAINED
IN HAND PUMP
REPAIR &
MAINTENANCE

462

SAWYER
POINTONE
FILTERS
DISTRIBUTED

6,984

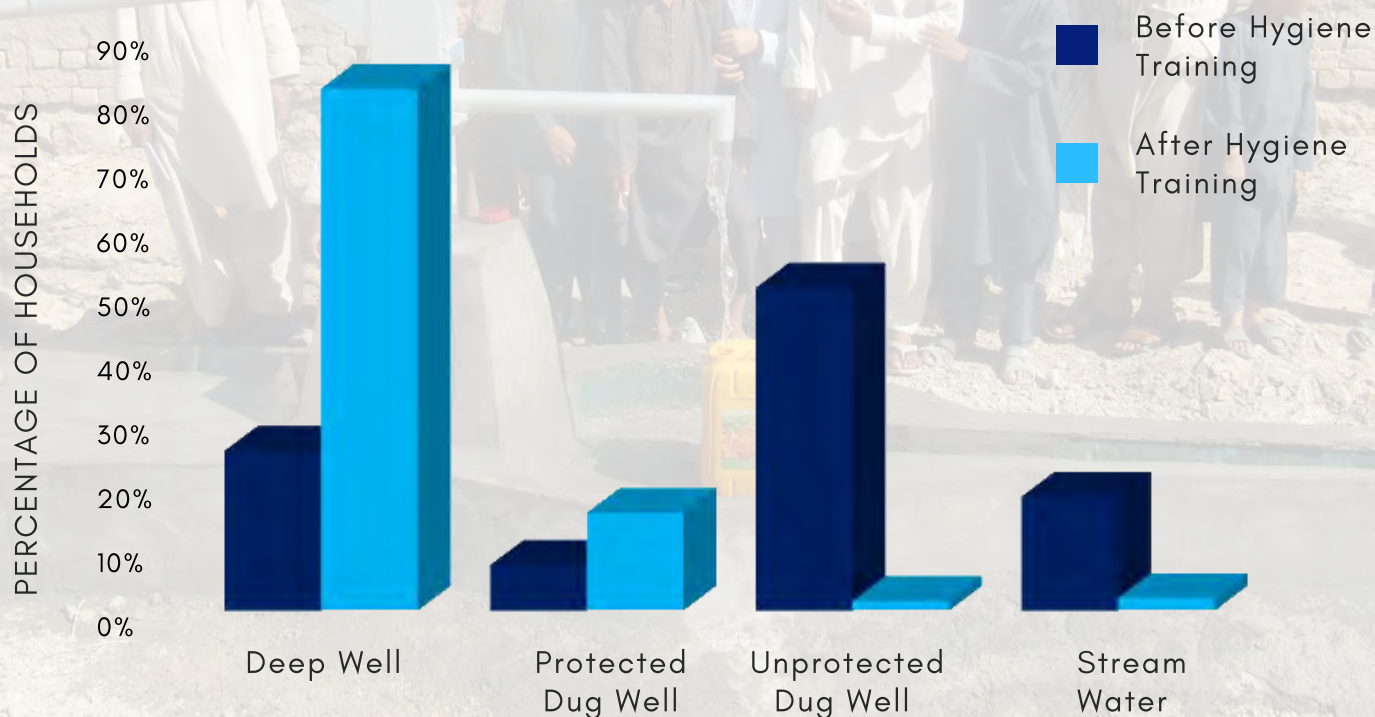
PEOPLE GAINED
ACCESS TO
CLEAN WATER



MAIN SOURCE OF DRINKING WATER IN HOUSEHOLDS

Districts: Balkh, Dehdadi, Kohlm, Mazar e-Sharif, Nahr-e Shahi, Sholgara
Survey based on 197 households

Before well installation and hygiene training, 25% of the people in the districts were using well water, 50% were using an unprotected dug well, and 18% stream water. Once training was completed, 81% of the population was using deep well water and only 2% stream water. A separate survey reflected that 94% of the population in our target areas now also treat their water to make it safe for drinking compared to 6% before the WASH program.



SOURCE OF DRINKING WATER

PROMOTING HEALTHY HABITS



Inadequate hygiene and poor nutrition are an underlying problem in community health. The health of many Afghans is undermined by a lack of basic hygiene and nutrition knowledge. Afghanistan has one of the world's highest rates of stunting in children under five with 40%. To reduce malnutrition there must be a clear change in attitudes and thoughts around household nutrition and health issues. The most effective way to save lives is by teaching people proper hygiene and nutrition practices.

Our training offers awareness and education on topics like good hygiene, chain of infection, safe water, diarrhea disease, good nutrition, food groups, and food preparation.

All the information is covered in 10 lessons over a 5 week span. Training is primarily focused on women, since they are the home care takers, but participation of men is equally important. The training allows men to better understand the value and rights of women. It also creates respect for wives and the role they play in building a strong and healthy family.

JDA is seeing the transformation in communities after training. Among the most immediate changes are clean yards, a significant decrease in open defecation, and an increase in hand washing habits. The most important change we see is the decrease in diarrhea, especially in children.

CLEAN HANDS: A RECIPE FOR HEALTH

Empowering students with the right supplies and hygiene message improves their individual and family health outcomes. In October 2018, JDA's WASH team prepared multiple puppet shows for Bagh Pahlawan Boys and Girls School in Sholgara district, which is located 49 km from Mazar e-Sharif. The message focused on increasing the practice of hand washing with soap and managing safe drinking water.

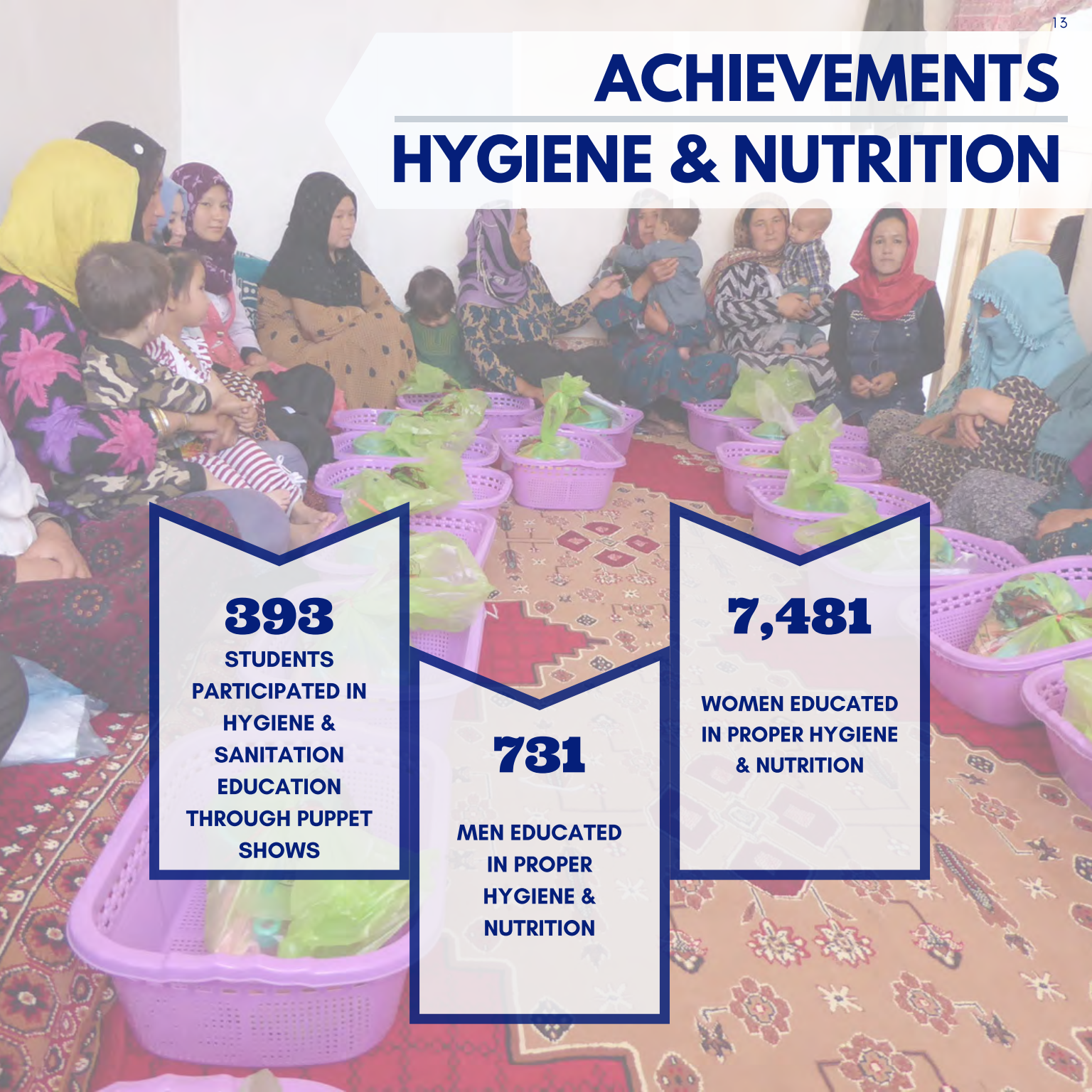
A total of 393 students, first to third grades, enjoyed the show. We expect these students to disseminate what they have learned from the puppet show to friends and family members, which is estimated to indirectly benefit 1,536 individuals.

During our time at the school, our trainers found that the school does not have a safe water well. Water is fetched from a nearby stream. Drilling a water well on the school compound is on JDA's agenda for 2019.



ACHIEVEMENTS

HYGIENE & NUTRITION



393
STUDENTS
PARTICIPATED IN
HYGIENE &
SANITATION
EDUCATION
THROUGH PUPPET
SHOWS

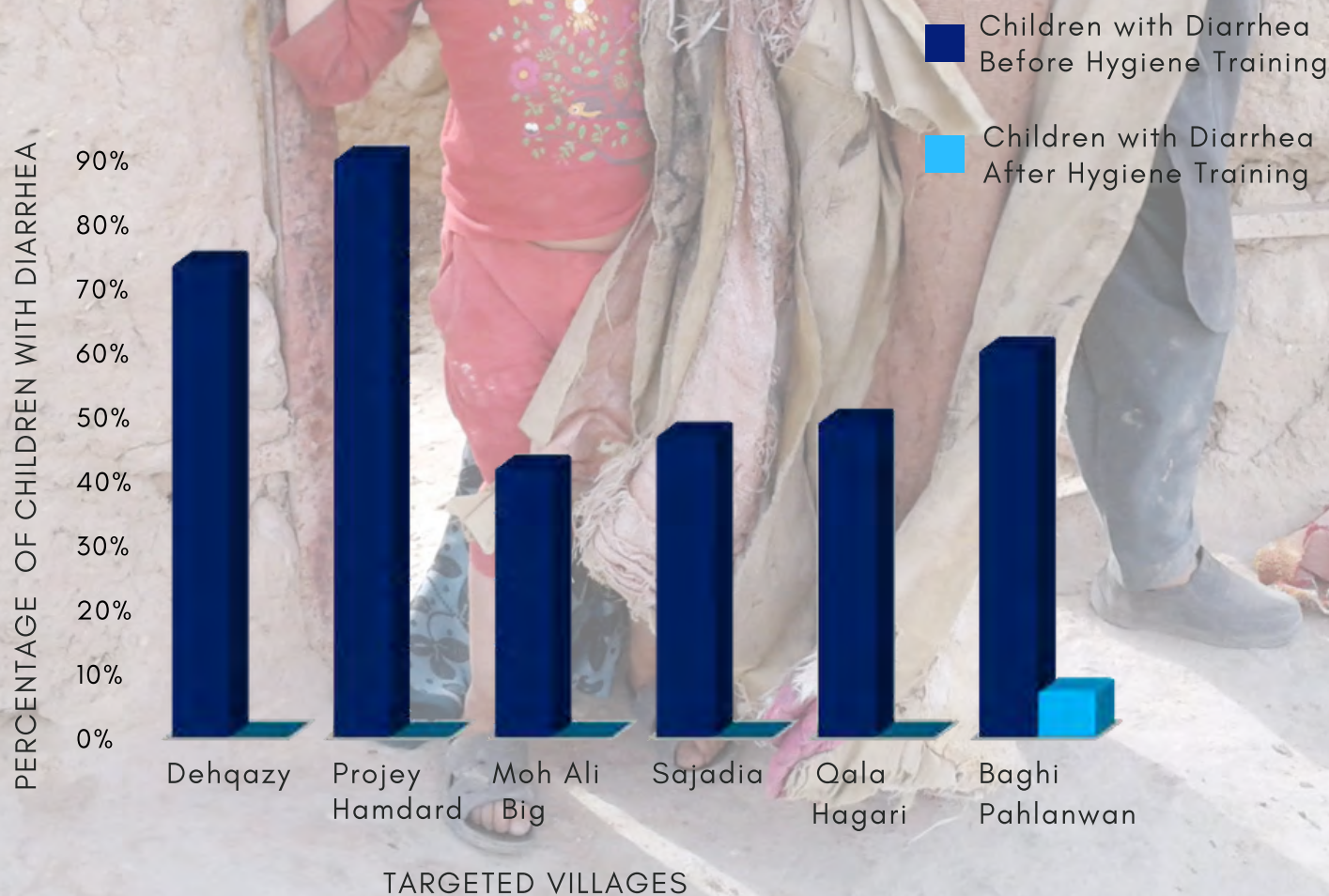
731
MEN EDUCATED
IN PROPER
HYGIENE &
NUTRITION

7,481
WOMEN EDUCATED
IN PROPER HYGIENE
& NUTRITION

DIARRHEA IN CHILDREN UNDER 5 YEARS OLD

Percentages are based on baseline & final surveys of 197 families in six villages.

Diarrhea disease is the second leading cause of death in children in Afghanistan. These deaths are preventable by WASH interventions. Proper waste disposal and using clean water are essential prevention factors. In 2018, there was a 96% decrease in diarrhea cases in children under 5 in the targeted areas of JDA's WASH program.



TESTIMONIALS

BREAD & TEA

"Before attending hygiene and nutrition lessons I never prepared meals for lunch. The majority of the time our meals consisted of bread and tea. That is what I would feed my husband and children. But after receiving the lessons, I realized how badly I had been feeding my family. The training I received allowed me to change my habits. I now prepare nutritious meals for the family. My husband is the most pleased with this change. I prepare breakfast for him and tell him he needs a good meal in order to have enough energy for work."

Kamila, Sholgar District

SAVED MY CHILDREN FROM DEATH

"I heard about hygiene lessons from other women in the community and became interested in attending the training. The training taught me about food groups and the first 1,000 days of a baby's life. My 9-month-old baby was always sleepy, had a low appetite and low weight. I realized my child's nutrition was the reason for his sleepiness and underweight. Breastfeeding was not sufficient for him. As soon as I started feeding him rice and more vegetables he looks better. I now feed him prepared meals 5 times a day and my child sleeps well and has more energy. I thank you for your lessons because they saved my child from death."

Gulpaik, Bagh Pawlan Village





HAND WASHING PREVENTS DISEASE

"I have learned a lot about hygiene. My 7-year-old daughter participated with me in the lessons. She was the most interested and she put into action what she learned. She helped me cover the hole of the latrine and we set up hand washing station with soap and water. My daughter washes her hands constantly and she encourages the whole family to do the same by reminding us that hand washing prevents diseases."

Fatima, Dehdadi District

STREAM WATER

"During the winter, we always used stream water because we thought that the cold weather would kill the microbes of the water. Very often my children suffered from pain and diarrhea. It was not until I attended the hygiene and nutrition lessons that I learned that cold weather does not kill microbes. I will never be using stream water again."

Mohammad, Bagh Pawlan Village

STRENGTHENING FOOD SECURITY

The Regional Agriculture Development Program North (RADP-N) is soon coming to an end. The program has well accomplished the objective to strengthen the capacity of farmers in improved production and sales of wheat, high value crop and small livestock value chains. RADP-North is implemented by DAI Global, LLC along with several subcontractors including JDA.

JDA's efforts have increased wheat productivity through the use of better quality seeds, efficient and cost-effective mechanized equipment, and improved agronomic techniques. Activities like weed control have significantly increased wheat yields by 57%.

Laser land leveling activity has created an income source by generating \$121,428 in revenue through contracts obtained to level land of farmers.

Our farmer-led conservation agriculture activity has improved soil health with better water holding capacity and fertility balance.

Many trainees have adopted conservation agriculture in their harvest. Out of 880 farmers, 68% rotate their crop, 50% use mechanical seeding, 71% are able to control weeds in their harvest, and 58% planted improved seed.

Contract harvesting resulted in most farmers shifting from the traditional method of wheat harvesting to mechanized harvesting





through the use of 2-wheeled tractors and reapers. Farmers were introduced to appropriate mechanization and linked to the suppliers and local mechanics.

Kitchen gardens activity was designed to reinforce the hygiene and nutrition program. Women have been trained in kitchen gardening and continue to grow and maintain their gardens to improve family nutrition and provide additional income through sales of their crops.

The hygiene and nutrition component gave women a better understanding and new skills. At the beginning of this activity, women had a 46% understanding of hygiene, 20% of women understood good nutrition, and 35% had an understanding of agriculture. Near the end of the program, there is a 99.7% understanding of hygiene, 99% of nutrition, and 60% of agriculture.

ACHIEVEMENTS

AGRICULTURE

1,118

FARMERS TRAINED
IN CONSERVATION
AGRICULTURE
DURING 63 FIELD
DAYS

1,179

FARMERS
RECEIVED LASER
LAND LEVELING
TRAINING

3,360

FARMERS
INSTRUCTED ON
SEED BUSINESS
DEVELOPMENT
AND THE USE OF
CERTIFIED SEED

10,679

WOMEN TRAINED
IN KITCHEN
GARDENING

66,693

FARMERS
TRAINED IN
INTEGRATED
WEED
MANAGEMENT

IMPROVING LIVES & REHABILITATING COMMUNITIES



The fight against ISIS left mass destruction in Iraq. Many Iraqi families want to return to their homes, but this cannot be possible without humanitarian assistance. There is lack of security, access to lands and property and an unavailability of services and employment. We want to step in and change that and give Iraqis back their lives.

This will soon be made possible through RIVAL (Returnees, Internally Displaced Persons, and Vulnerable Iraqis Attain Livelihoods).

RIVAL is a two-year program funded by the US State Department's Bureau of Population, Refugees and Migration (PRM) and

implemented by ZOA and JDA. The objective is to rehabilitate homes in Telkaif district and rebuild the agricultural activities as a backbone for sustainable re-settlement for Yazidi and Chaldean Christian beneficiaries.

We will accomplish this objective through cash for work programs, providing access to emergency livelihood opportunities in the agricultural sector, and by providing small herders with sheep and additional skills in animal food utilization and improvement.

JDA has hired staff and is in the early stages of implementation.

FINANCIAL STATEMENT

Per audited financial report. For fiscal year ending December 31, 2018.

Support

Federal Contracts	\$ 1, 677, 466
Contributions	\$ 228, 910

Total Support \$ 1, 906,376

Expenses

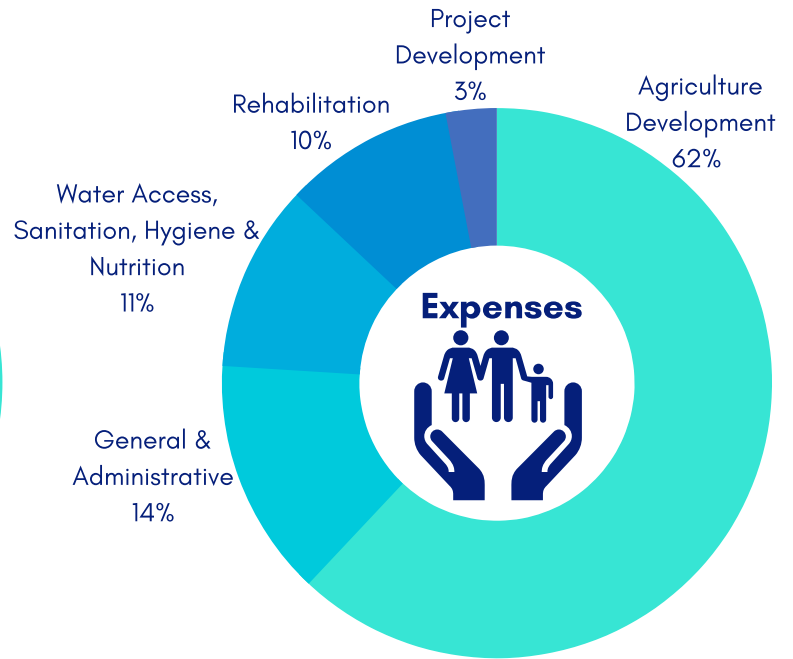
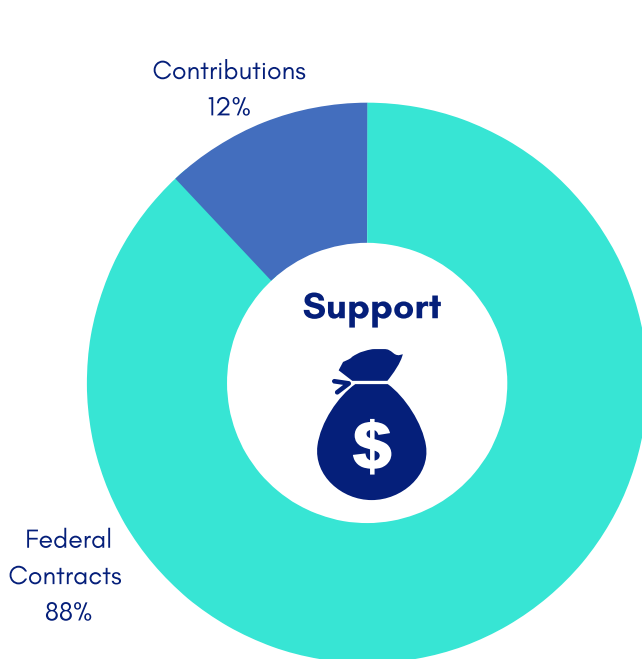
Agriculture Development	\$ 1, 167, 218
Water Access, Sanitation, Hygiene & Nutrition	\$ 207, 415
Rehabilitation	\$ 184, 722
Project Development	\$ 57, 375

Supporting Expenses

General & Administrative	\$ 264, 913
Fundraising	\$4, 897

Total Expenses

\$ 1, 886, 497



Robert Hedlund

Founder/CEO

JDA International
Grand Junction, Colorado

Dr. Roger Olsen

Chairman

Senior Vice President
CDM Smith, Inc
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Les McPherson

Treasurer

CPA, CGMA
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Red Arrow Gold
Corporation
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A young child with dark hair, wearing a blue long-sleeved shirt and purple pants, is sitting on the ground. The child is holding a red plastic water jug with both hands. The child is looking directly at the camera. The background is a light-colored, textured wall, possibly made of mud or plaster, with a wooden door frame visible. The ground is dry and dusty.

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