

Tera Dora
Golden Triangle Early College High school
Mayhew, MS
North Korea, Factor 9: Water Scarcity
North Korea:

Introduction

North Korea is in Eastern Asia. The capital is Pyongyang. The population is 25,248,140. The government in North Korea is a single party government, self-reliance. Major crops in North Korea includes grains – corn, wheat, and rice. Major exports in North Korea are: clothing, fish, iron, and oil. In North Korea, the climate is very moderate. In summer, they have as steady rainfall. (The World Factbook) Families in North Korea have simple diets, rice and other grown foods. In their homes, there are about 5 to 7 people. Only one generation can stay in one home.(North Korea : Country Study) In a North Korea's family household, the women have a disadvantage who are being discriminated against and sexually abused. They do not have grocery markets. The communities do not have any gardens within them. The families' home also has a lack of toilets and clean water. (Democratic People's Republic of North Korea)

The most fluent language that is spoken in North Korea is Korean. According to briannica.com, the main transportation there are railways and rivers. They also use trolleys and buses. In each village, there is one clinic. The citizens of North Korea do not have to pay for medical bills because it is free. In North Korea, the schools consist of 12 grades. North Korea's human rights includes things that will help benefit the people. The only phones that are used in North Korea are the ones that help the people working in the government. The main sports in North Korea are football, soccer, and ice hockey. (New World Encyclopedia) North Korea has a total of 21.8% of cultivated land. Many of their agricultural practices failed. Most of their water comes from the sewages, and they plant their crops with dirty water.

The percentage of the urban area is 61.05 percent. The percentage of the rural area is 38.95 %. (Trading Economics). BBC.com states that the average income in North Korea is about 2,000 dollars capita. North Korea's biggest trading partner is China, about 90.3 percent. In North Korea, they believe in Buddhism. In North Korea, they are given a place to stay. This is based on their social class. The gross domestic product is 28 billion dollars. North Korea gained its independence on August the 15th of 1945.The flag of North Korea is red white and blue. North Korea has issues with clean water that is not available, but this problem can be avoided by getting better sewages and a better education.

Water Scarcity in North Korea

Water scarcity is when water is not available, or when the water is not clean for useful purposes This is an existing conflict in North Korea. This conflict is very severe because they have not found a sufficient solution. Certain areas are degraded because they do not have water in the area. The rural area, which is the farming area, also has a disadvantage. On a scale of 1 through 10, this would rank 10 because of how severe the problem is. If this problem is not fixed immediately, it can lead to more serious problems.

The problem still exists because they will not have water to get food. This problem arose because of the lack of rainfall that is available there. Research concludes that this problem has not been solved yet(reuters.com). It is still a major issue because North Korea's government does not address this as a serious conflict. Water scarcity also causes hygiene issues. People will not have water to take baths properly. If people are not bathing, this could cause many illnesses. They also would not be able to get to

any nutrition. The biggest outcome of water scarcity is death. People will become malnourished from starvation.

If this problem still exists, the death rate will increase, and the population will steadily decrease. Sadly, the infant mortality rates will increase also. If people come over bringing clean water, classism will probably occur. The people that are high in society will most likely receive the upper hand of the water before the minorities. If this problem is solved, it would increase the population, decrease the death rate, and decrease the infant mortality rate. The chances of poverty will also decrease.

Issues that will exist from Water Scarcity in the Decades Ahead

The climate volatility could make water scarcity be worse. In the cold months, the average temperatures is 26 degrees Fahrenheit, so it will make the situation weaker. Food and water for the families will be very scarce. You will never know when it will be any rainfall for the plants and the crops. In the warmer months, the average temperature is 86 degrees Fahrenheit. In this climate, rainfall will most likely return, causing an ease to the situation.

The population growth will decrease gradually. They will also have little food. The people will not receive proper nutrients. With the lack of food and water, people will die. They have a very small chance to live because the factor still exists. When the sources are not available, the people will have a hard time living without them. After a while, their fight is over.

Water scarcity will steadily rise day by day. As long as it is not raining, they will continue to suffer long as no solutions are found, it is still going to exist. They still will use water from sewages. It will still cause harm to them.

Pollution will grow. There will be many things around the environment, polluting the area. The sewages do not work properly, so there will be many things that will be flowing into the streets, polluting North Korea. The families in North Korea will have a hard time functioning if this factor is not solved.

How could these issues be improved?

They could invest in better teachers, educators, or leaders. They can also change their teaching methods. Instead of only teaching about politics, they could teach about the other issues that exist around them. They could teach about farming. If they teach them about farming, the students will get greater knowledge on how to plant crops the right way. They should also explain water scarcity to them. When they understand the problems, they will try to make a solution, but they do not know if they are not being taught. If the teachers there are only educated in politics, they should take efforts to get other teachers to come over and teach the students although they are normally taught politics, the transition will be very meaningful. The students think that politics are all they should be learning, but there is much more to the world than politics.

They could also form a local project. There will be different sponsors funding them. The leader of this project could be the Prime Minister, since he holds most power. The project will be sustainable if everyone agrees with the plan. The local project will be to inform the citizens about the issue, and after they talk about the issues, they will have suggestions to decrease water scarcity. The local project could be one of the first ways of addressing the issue to the public. If the people do not know the issue, they will not know there is anything to improve.

Farmers could lure the government in by informing them about the living standards of the people in their country as well as themselves. They could find low budget solutions as well. All these small solutions

could really get the leaders of North Korea in on the road leading to the end of water scarcity. On the other hand, they could get a well skilled team of specialized weather forecasters. If they had an accurate forecaster, they would know when they would receive rain. This is important because they recycle their rain fall to use it for their plants. Each family could also collect water by putting out barrels to catch the rain.

The communities could help this factor decrease by selecting community leaders. The community leaders could make agreeable rules for the citizens to abide by. They could talk about things that they could do to help their environment. Then if everyone is working well as a small group, the group could expand much larger, forming broader ideas.

This will create unity. If the people get accustomed to working together to solve this problem will only make it easier to work with each other in the future to solve future conflicts. If everyone put their heads together and do as they are told, the country will recover immediately from water scarcity.

North Korea could use biotechnology. When biotechnology is used , it will be easier for food production and growth. It will also be less expensive. Biotechnology is many different tools used to help make or improve something. In this case, biotechnology would be used to help the farmers produce better when farming. Although North Korea only use this type of science to create weapons , it would be better if they used it to farm. It would also be in favor with the government because it will not require a high amount of funds.

They can even form two committees to help. They could form a research committee and a committee that explains problems to the people when researched. The research committee could work with the government, and this committee will tell the other committee all their findings. The research committees' goals could be to find solutions to their major problems relating to water scarcity, and they could find all the proper equipment and technology that will be necessary in solving this problem. Afterwards, they could discuss and explain all of their finding to the other committee, which could be called the presentation committee. The presentation committee could form meetings with the head officials and the people of North Korea. In this meeting, the presentation committee could report everything that the research committee discussed with them. When the meeting is over, they could get second opinions from some of the people to see is there any other solution they could use as well. Hopefully, everyone will understand and try to help fix a specific conflict.

The self-reliance government may not be a good fit for North Korea, which is probably why some of these problems exist. They have a lot of freedom, maybe a little too much freedom. They have the freedom to do pretty much whatever they chose. If North Korea tried a new form of government, it may work better for them. If not, they could always return to self – reliance government to decrease problems that the other form of government created.

They could invest in better sewages. The sewages that are currently used are not working properly. The clean water is still getting polluted with the dirty water. This only weakens the situation even more. They could invest in someone making them specifically for them to meet all their special needs. This will also help decrease water scarcity because you will have more of clean water to use.

After this conflict is resolved, each household could invest in purchasing water filters. They could buy one to put on their water faucets in their homes. The government could also invest in buying water filters for the pumps. If there are different pumps, they should strive to filter all their water to make sure that everyone is getting clean water. This will help the water be even cleaner.

In similarity, they could also get water from their nearest aquifer. An aquifer is used when making some types of drinking water. If water comes straight from an aquifer, it could also be used to help put an end to water scarcity by using natural resources. It also allows you to stay in a small budget.

While they are working on solving these solutions, they could start trading with another country for water. As listed in the introduction, they could use all of those major exports to get water from other countries. Even after they solve this problem, they could still trade for water. They will have a surplus. They could even store some water for hard times like these. Trade will also help reduce the death rate.

People will have water to stay hydrated and some of the water could be used to produce fresh crops. Trade is also beneficial because it would also help reduce malnutrition. When water is being shipped to the country, it would give the people of North Korea hope. When they receive the water, it would result in healthier people, also reducing the rate of child death.

It is probably still a major issue because North Korea's government sources do not list too many details about water scarcity as if it is unnoticed. North Korea should get the word out and tell everyone the problem, so it could result in a faster solution. Hopefully North Korea will acknowledge and address their issues to make food sustainable and edible. Long term goals should be to make sure water scarcity never reoccurs. They should always aim to prevent pollution, climate volatility, and poor sewages. They can prevent this by learning from their past mistakes, document how they are going to solve existing problems, and place incentives for people who try to make North Korea a better place.

An incentive is something that motivates someone to do something. They are used all of the time in the economy. If North Korea place incentives on their people, they would strive to do everything to make sure their country gets better day by day. Most likely, people will become motivated to make their country better if there is a reward. They should also make sure that all the other factors are taken care of to prevent any hunger issues. North Korea's leaders should ask for help in their country before any major issues weaken. If North Korea is open for a change, they might accept my solutions.

Last but not least ,they could also improve irrigation.Irrigation is the preparation of land to make ready for planting season. Irrigation would most likely help North Korea because the land will already be wet for agricultural crops .They method of irrigation they should try is subsurface irrigation.In this method ,you apply water to the soil .This makes the soil damp and ready when it is time to plant .This specific type of irrigation would probably be the best because they do not have much clean water , and it does not require too much work.It would also be beneficial to the crops and the people also .

Conclusion

In conclusion, water scarcity can simply be reduced by getting better sewages, better education, and better leaders. If we have those things, the issues of water scarcity will decrease. Water scarcity arose by the lack of rainfall and insufficient sewages. The end of water scarcity could happen by buying new, improved sewages by, teaching the student's valuable lessons. By making better decisions about the government. The goal is to get the young minds involved in the issues around them, so they can to help solve them.

They are usually taught about politics, but if taught about water scarcity, they can try to solve the issues. They were getting clean water mixed with the waste. North Korea could get new sewages to make sure all polluted water does not get involved with clean water again. The leaders in North Korea can also step up. The leaders in communities can start doing more to help defeat water scarcity. The people could step up as well as the leaders could. Everyone could assist in getting their environment back to a better

wellbeing. They could do their parts or play their roles to make sure that their environment is saved. Most importantly, they could help end water scarcity leading to reduce world hunger.

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