

# The Rain Savers

---

**We had resources in the past,  
Let's save them so they'll last!**

The Rain Savers!

# **Rain Barrels, The Field of Dreams, & More**

---

**Jo Jo Cobb**

**Jacob Phelps**

**Christina Gallardo**

**Sharnelle Fletcher**

**Nicole Daugherty**

The Rain Savers!

# What We'll Cover

---

- **The Field of Dreams**
- **What is The Field of Dreams and how did it come about?**
- **What could be done to make The Field of Dreams a green park?**
- **How would these factors improve the park?**
- **About Rain Barrels:**
- **What is a rain barrel**
- **Specifications**
- **Operational Features**
- **Size**
- **Regulation**
- **Cost**
- **Construction**
- **Benefits**

# The Field of Dreams

---

- **The Field of Dreams is a park that is in the process of being built.**
- **This facility is funded by what is known as the Elizabethtown Restaurant Tax.**
- **The heart of the park is Billy Creek.**

# The Plan For The Field of Dreams

It is intended to consist of:

- 4 softball fields
- 2 football fields
- 4 Babe Ruth baseball fields
- 4 60'/70'baseball fields
- 4 Peanut Baseball fields
- 6 tee ball fields
- 12 soccer fields
- indoor and outdoor tennis and volleyball courts
- concession stands
- restrooms
- small offices
- meeting rooms
- 2 picnic pavilions
- playground
- storage facilities
- announcers booths

# Our Plans For The Field of Dreams

- **Rain Barrels:**
  - The water would be used to water the nearby plants and the fields.
- **Automatic Sinks:**
  - The sinks will help to conserve water in the buildings.
- **Recycling Bins:**
  - Aluminum, plastic, and cardboard will be recycled.
- **Automatic Light Switches with Motion Sensors:**
  - Sensors for the lights will save money on the electric bill by turning on when there is movement in a room and off when there is no activity.
- **LED Lights:**
  - The LED lights are less harmful to the environment, use less energy, and last longer.

# PROBLEMS WITH FIELD OF DREAMS!!!

- Since it's a big sports complex, it will consume tons of energy.
- Landfill amount will be amazingly high if the park is the size intended.
- Will use up several amounts of water to keep the park clean & also to water the fields.

# The Cost Per Unit

<u>Items</u>	<u>Cost</u>
■ Rain Barrel	\$90-\$200 each
■ Automatic Sinks	\$40-\$100 each
■ LED Lights	\$28 each
■ Automatic Light Switches with Motion Sensors	\$40 each
■ Recycling Bins	\$20 to \$50 each

# Benefits of Sinks & Lights

## Sinks

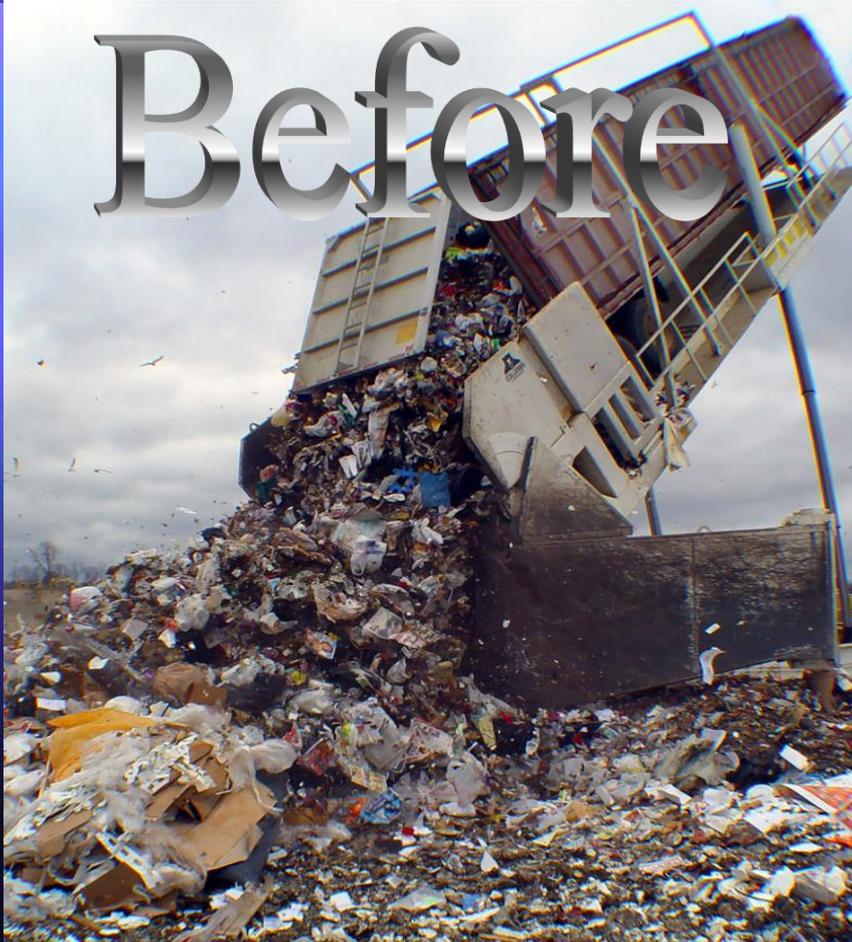
- 1. Regular Faucets:**  
**Cost: \$35-\$100**  
**Lifespan: 2-8 years**  
**(depending on the manufacturer)**
- 2. Automatic Faucets:**  
**Cost: \$40-\$100**  
**Lifespan: MINIMUM of 10 years**

## Lights

- 1. Regular Light Switches:**  
**Cost: \$6**  
**Lifespan: Short amount of time and does not have a warranty.**
- 2. Automatic Light Switches w/ Motion Sensors:**  
**Cost: \$40**  
**Lifespan: MINIMUM of 5 years with a 5 year warranty**

# Recycling DOES Make A Difference!!!

Before



After



The Rain Savers!

# Water Pre & Post Recycling



The Rain Savers!

# Landfill vs. Recycling

- Landfills usually consist of recyclable materials.
- 40% of the recyclable materials is paper.
- Approximately 13% is plastic.
- These materials are half of what's found in recyclable waste, produced in America.
- This also doesn't include in the amount of litter along roadsides.
- What we can do to solve this problem is to make sure that at this new sports complex, there will be recycling bins around every concession stand and even by the fields.

# What Is A Rain Barrel?

- Rain barrels are low-cost, effective devices used for saving rainwater from rooftop runoff, then utilizing it as lawn or gardening water.



The Rain Savers!

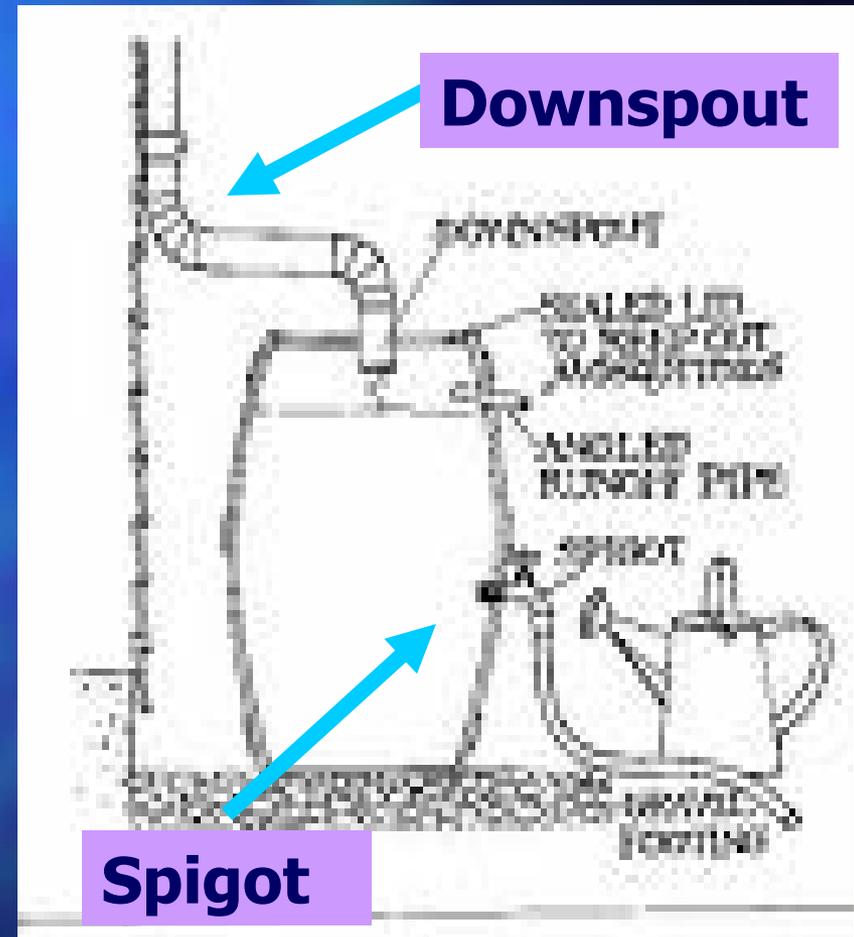
# Capacity of A Rain Barrel

---

- **A rain barrel is a drum or a container that can hold a range of rainfall from 45 gallons all the way up to 25,000 gallons!**

# Functions of Rain Barrels

- Any simple rain barrel will include a hole at the top to allow water to flow from the downspout through the lid down into the barrel.
- It will also have a spigot near the bottom to allow for the connection to a water hose.



# The Benefits of a Rain Barrel

---

- **Save money and water. Instead of water from the tap or faucet, you can use the water you've saved to keep your home landscape growing. You'll also reduce your water bill.**
- **Reduce flooding in your yard or your basement, by collecting the water and using it for watering plants or slowly releasing it and allowing it to sink into the ground.**

# Benefits (Continued)

---

- **The water stored in your rain barrel is better than municipal water for washing your car and watering indoor or outdoor plants because it can make your plants more green and healthy.**
- **Also, it can conserve the very little clean water that is here on earth (2%), which is needed for other uses such as bathing, cleaning, drinking, etc.**

# Other Reasons To Use A Rain Barrel?

---

- They are cheap.
- It consistently works.
- Reducing water usage from faucets = Paying less on your water bill.
- It's becoming a new trend and still saving money.
- You can decorate it.

# The Prices for Rain Barrels

---

- It costs about thirty-five dollars to make a rain barrel.
- The cost of a rain barrel that is already manufactured and made is anywhere from ninety dollars to two-hundred dollars depending on the type of rain barrel.

# Decorated Rain Barrels



# How Our Plan Will Save Money !

---

- Rain Barrels will conserve water helping lower the water bills.
- By recycling aluminum cans, it can possibly earn money to help with the park.
- The automatic light sensors will save money on electric bills.