



# 2021-2022 City Model Slideshow

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**Delete all PURPLE text before submitting the slideshow for judging. Keep text that is black.**

# Deliverable Details/Requirements

- This slideshow is your chance to present your model. Whether your team created a single model or multiple segments, here is where you show off the future city you designed to the judges.
- Choose photos of the various segment(s) that best show the requested content. Where noted, you can put one (1) or two (2) photographs of your team's work. The photos can take up as much space on the slide as you like, as long as they do not cover the slide title (upper left) or the text block descriptions on the right of the slide. More than two photographs are not permitted per slide. Collage images with more than two photos are not permitted.
- Do not change the size of text boxes in this template. All written text must fit within the boxes and *cannot* be smaller than size 14 in Calibri (or equivalent) font.
- When finished, save the slideshow as a PDF and upload to the Educator Dashboard at [FutureCity.org](https://FutureCity.org).
- Review the 2021-2022 Program Handbook for a full list of rules and requirements.

**Section I**  
**CITY DESIGN**



# Residential Zone



What is important for the judges to know about your residential zone?:

Because of the dangers of wildfires the residential zone has tree houses made of fire resistant maple wood. Apartments and Senior home have ignition resistant walls and aluminum glass for cooling. The use of compost system, reuse rainwater and grow their own food and medicine. The elderly do not have to pay for anything. They use a Robot Wheel chair that named Wheely that moves like a computer mouse who is voice activated and solar powered to get around when needed. The residents live close to the hospital, schools, and other city services for short and easy travel.

# Commercial Zone



What is important for the judges to know about your commercial zone?:

Smart Foods Supermarket has an online app for the citizen to use so if they are sick, they can have someone pick items up. The Restaurant has robots to serve the food. There is a Helping Hands Community Center where people volunteer to help out anywhere in the city like planting, help senior, help keep the city clean.

The sport stadium has a holographic technology for those who can not afford to come to the game but want to feel like they are really there. The stadium uses solar energy for everything including the hoverboard sneakers for the players in Tennis and Basketball.

# Industrial Zone



What is important for the judges to know about your industrial zone?:

This zone has a Hydroponic Farm with an underground water filtering system where the water comes from the nearby river. All of the city's infrastructures come from everything that powers the Hydroponics Farm. The city grows, sells, and cooks its own food from the Hydroponics farm. It is the source of solar panel that gives electric for the city lights for the streets, business and houses. It has the most lights for the farm and the woodlands dark nights. It has jobs for citizens

# Infrastructure Example 1



What type(s) of infrastructure are shown here (water, power, utilities, etc.)?:  
The type of infrastructure here is water.

How are these related to the realities/challenges of a Waste-Free City?:

Water can become polluted and get people sick. The water has a underground filter system that gets changed. It takes a lot of checking on the filter system to know when to change it. The rain water filtration system might not always get rain because it don't always rain. Rain water can be stored but the river has water.

## Infrastructure Example 2



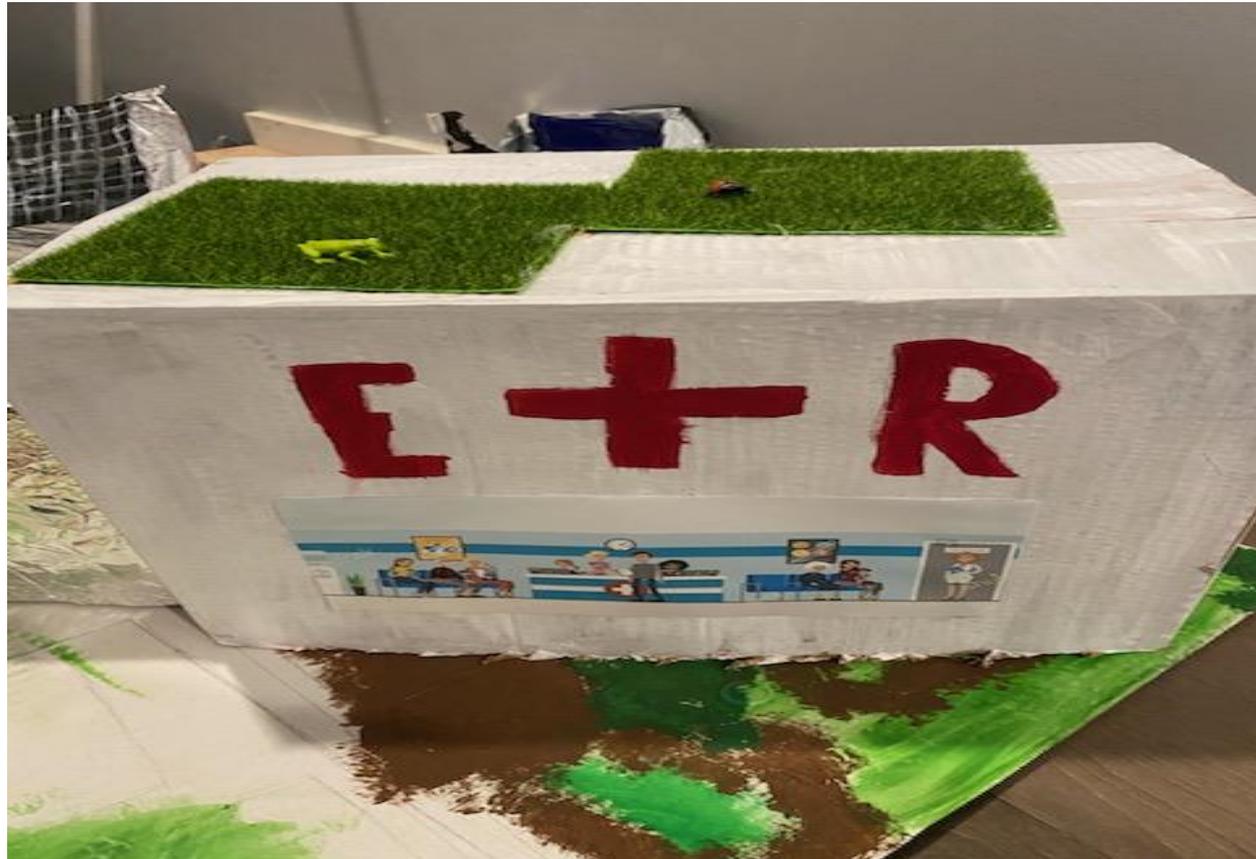
What type(s) of infrastructure are shown here (water, power, utilities, etc.)?:

The type of infrastructure shown here is power.

How are these related to the realities/challenges of a Waste-Free City?:

These are related to the realities of the Waste-Free City because the Sun can be used over and over again and store up energy in the panels but the challenge is that sometimes in some places it is not always sunny. Our city is sunny a lot that is why solar energy is good.

# City Services Example 1



What type(s) of city services are shown here (health, education, etc.)?:

The type of Service is a free city hospital

What do you want the judges to know about your city's operations?:

The hospital has all medical services, including a pharmacy with medicine made from the herbs from the rooftop garden. All healthcare is free.

# City Services Example 2



What type(s) of city services are shown here (health, education, etc.)?:

The service shown is Education for K-12th grade school

What do you want the judges to know about your city's operations?:

The school has a rooftop garden that the student get to pick fresh food to help with the planning of the school meals so that it is what they like and food won't go to waste. Leftover food is put in the compost bucket and used for the garden. The school wants all the student to volunteer with the composting.

# Transportation Example 1



What type(s) of transportation systems are shown here?:

The transportation system is solar energized rover

What do you want the judges to know about your transportation system(s)?:

The solar rover is used for private and public when residents want to go shopping or visit relatives. It is an emergency vehicle and is rideshare vehicle too.

# Transportation Example 2



What type(s) of transportation systems are shown here?:

This is a private transportation system

What do you want the judges to know about your transportation system(s)?:

The solar energized voice controlled scooter is used by local residents for short trip to work, school, parks, restaurants, hospital and doctor visit because everything is close and not far to travel to.

The solar energized and voice controlled wheelchair is used elderly of the city. It assist them with medicine and food.

# Principles of a Circular Economy in Action - Example 1



What is important for the judges to know about this element of your circular economy solution?:

Aluminum the most circular material. It is 100% recyclable, it can be transformed reusing again the material into the production cycle like the windows on the city's apartment building that is insulated.

# Principles of a Circular Economy in Action - Example 2



What is important for the judges to know about this element of your circular economy solution?:

The hydroponics farm stop food contamination from pesticides in the soil. The hydroponic farm Is taken care so that it helps care for products and materials in a continue use: water recirculation and constant cultivation from the river and underground filter system.

# Principles of a Circular Economy in Action - Example 3



What is important for the judges to know about this element of your circular economy solution?:

The compost comes from food waste and used in the soil of the rooftop garden to grow more fresh fruits and vegetable and beautiful flowers and garden herb for a healthy life.

## **Section II**

# **BUILD IT: QUALITY, SCALE, AND MATERIALS**

# Innovative Material & Use Example 1



Choose a recycled or reused item and describe how you used it creatively in your model:

A soda can was used for the body of the solar rover.

## Innovative Material & Use Example 2



Choose another recycled or reused item and describe how you used it creatively in your model:

The city transportation solar scooter was made from aluminum foil from the kitchen.

# Innovative Material & Use Example 3



Choose another recycled or reused item and describe how you used it creatively in your model:

The recycled material used are black plastic empty take out food that is the Smart Foods Restaurant and the clear plastic circle bowl is the Helping Hands Community Center. The plastic milk bottle is the Super Smart Supermarket.

# Example of Scale



Scale used in model (e.g., 1"= 10', or 1"=22'):

## **Structure 1**

What type of structure is this?:

It a composite clear polyurethane

What size is the structure on the model?:

10 inches

What size would this structure be in real life?:

120 feet

## **Structure 2**

What type of structure is this?:

It a composite clear polyurethane

What size is the structure on the model?:

3 inches

What size would this structure be in real life?:

36 feet

# Moving Part

- **Team Educators:** Don't forget to include the link to your team's moving part video in your Educator Dashboard submission section.
- **Judges:** Watch and review the moving part video from this team in your Judge Dashboard.

## Video Details:

- The video must be posted as to be publicly available for judges to access on either YouTube or Vimeo.
- Video cannot exceed 1 minute.
- Teams need to mention their city/team name in the video.
- Teams must show the moving part in action.
- In the video, share what role the part plays within the city and how your team built it.

## **Section III**

# **JUDGE ASSESSMENT OF MODEL**

# Futuristic Technology Example 1



What is important for the judges to know about this example of technology?:

The robot is powered by the chemical reaction of salt water and charcoal, and is safe and non-toxic. It represents alternate energy. The robot is controlled by a real police officer using a control panel and voice activated commands while sitting inside the head of the robot as he patrols the city to make sure the police are not hurt while on duty and make sure the citizens are safe.

## Futuristic Technology Example 2



What is important for the judges to know about this example of technology?:

This smoke and fume sensory activated clear disc ground Sprinkler system is powered by solar energy and placed in the ground using water from underground source. It is used so that wildfires do not start and it alerts the fire department to come to investigate the scene and it is also used inside all the building and placed on the rooftops too.