Suggested Practice Questions 2018-2019
Judges will be given mandatory questions on competition day to ask all teams. Below are questions we provide to the teams for practice. The level to which teams practice answering these questions will vary depending on a number of team-specific factors.

Budget
1. How do you fund city operations (i.e. utilities, infrastructure, and public services)?
2. How did you approach your city’s budget to accommodate and encourage growth?
3. How does your city support low-income or vulnerable residents?
4. Does your city tax its residents? How did you decide on an appropriate tax level?

Industry and Jobs
1. What industries drive the economy in your city?
2. What types of jobs are available in your industrial and commercial zones?

Environment
1. Why is having a clean environment important to your city’s residents and officials?
2. What measures does your city take to prevent/reduce pollution (i.e. air and water)?

Transportation
1. Is most transportation in your city public (like a train or bus), or private (like an individual car)? What are the pros & cons to each?
2. How do goods (clothes, electronics, products you buy in stores) efficiently reach your city?
3. How is transportation in your city futuristic and innovative?

Health & Services
1. How does your city design ensure equal access and opportunity for people with disabilities?
2. What foods do your residents eat and where does the food come from?
3. What services does your city provide to its residents (i.e. police, fire, medical, sanitation)?

Lifestyle
1. How are children and adults educated in your city?
2. How does your city support a healthy lifestyle for its residents?
3. Why is it important for a city to have a diverse population of citizens?

Building the Model
1. What factors did you consider while laying out the zones in your city? Are the zones separate or mixed-use?
2. What was the most difficult challenge you encountered while building the model?
3. How did designing your virtual city help in the creation of your model?
4. How did you design your moving part? How does it help your city function?
Future City Process
1. Did anything you learned about engineering surprise you?
2. Did your team have any disagreements along the way? How did you solve them?
3. Tell me about the process you and your teammates used to create your city.

Powering Our Future
1. How is energy generated and distributed in your city?
2. What vulnerabilities to today’s electrical grids did you address with your futuristic design?
3. How is energy stored in your future city?
4. Why did you choose the natural disaster that you did, and what dangers does it pose to your city’s residents?
5. How does your power grid quickly recover from the chosen disaster?
6. What are the risks or tradeoffs of your innovative power grid?
7. Beyond the power grid, what other components of your city are resilient in the face of a natural disaster?
8. What are at least two types of engineering disciplines that were utilized in the design of your resilient power grid?