Provided by the Reefline Team – FAQs about the Reefline:

Q: What is the purpose of the ReefLine?
A: The Reefline will serve as a resilient reef providing critical habitat for threatened reef organisms, forming a unique marine sanctuary. It will serve to raise active awareness in our community for our ocean and climate change.

Q: Who is behind the ReefLine?
A: The ReefLine's team is comprised of the following experts: BlueLab Preservation Society, Diego Lirman and Brain Haus from the University of Miami, Coral Morphologic, Shelby Thomas from the Ocean Rescue Alliance, Bridge Initiative, Cummins Cederberg Marine Engineers, OMA, Alberto La Torre Architecture. The ReefLine is also supported by the City of Miami Beach, Miami-Dade County, X-Prize, The Knight Foundation, and the Blavatnik Foundation.

Q: What materials are being used for the underwater installations?
A: The ReefLine will be made of clean concrete. For future deployment, the sculptures will be composed of eco concrete with calcium carbonate that expedites coral growth.

Q: Will dredging be required?
A: No dredging will take place for any deployment.

Q: For the first phase, are you deploying real cars?
A: The cars will be fabricated using clean concrete. These are not real cars

Q: Where is the first installation taking place?
A: The proposed first installation will be just north of 4th street in -21ft NAVD.

Q: What is the size of the artificial reef module?
A: A typical car will be about 4'6" in height with a base no higher than 18". The entire installation of 22 cars will take up approximately 94ft in length by 26ft in width.

Q: Will the installation affect the waves?
A: Our team of experts believe the installation will not affect the waves. In order to be absolutely sure, the ReefLine team will be testing out the structures in the Hurricane Simulator tank at the University of Miami. We will run various tests positioning the car models in different directions.

Q: Will the ReefLine form a barrier system?
A: The ReefLine cannot and will not work as a barrier and must meet stringent regulatory criteria. It will not affect sediment transport and is not a "breakwater".

Q: What will happen to these installations under water through time? Will they not get buried?
A: The goal is for the cars to be overgrown with corals, algae, etc. Our team of marine engineers performed jet probes to evaluate sediment thickness, and the cars and other

modules will be sited in areas in shallower sediment and installed on concrete foundations to reduce burial. The Jose Cuervo reef, close to the area, was installed in 1998, in deeper sediment and is not curried. The modules are designed to withstand a 50 year storm, which is more conservative than the regulatory required 20 year.