

RESOLUTION NO. _____

**A RESOLUTION OF THE MAYOR AND CITY COMMISSION
OF THE CITY OF MIAMI BEACH, FLORIDA, ACCEPTING
THE RECOMMENDATION OF THE FINANCE AND
CITYWIDE PROJECTS COMMITTEE, AT ITS OCTOBER 25,
2019 MEETING, TO ALLOCATE FUNDING IN AN AMOUNT
NOT TO EXCEED \$20,000.00 TO FUND UNIVERSITY OF
MIAMI'S LABORATORY FOR INTEGRATIVE KNOWLEDGE
("ULINK") PILOT PROJECT ON ARTIFICIAL REEFS.**

WHEREAS, at the May 16, 2018 City of Miami Beach City Commission meeting, the Mayor and City Commission referred a discussion regarding artificial reefs to the Sustainability and Resiliency Committee ("SRC"); and

WHEREAS, at the November 28, 2018 SRC meeting, the University of Miami's Laboratory for Integrative Knowledge ("ULINK") Coastal Resilience Team presented a partnership project with the City of Miami Beach to develop and test coastal resilience strategies that combine grey and green infrastructures to reduce the vulnerability of coastal communities (the "Project"); and

WHEREAS, phase 1 of the Project, which consisted of developing and testing restoration strategies that combine gray (cement-based) and green (nature-based) defenses to protect our coast, has been completed; and

WHEREAS, phase 2 of the Project, which consists of completing a vulnerability and physical modeling to move the project into implementation and deployment, is currently in progress; and

WHEREAS, City staff has been working with the ULINK Coastal Resilience team in order to implement the second phase of this project; and

WHEREAS, the pilot will test the performance of coral fragments mounted onto modules under natural conditions and then, coral survivorship and growth will be monitored at pilot sites; and

WHEREAS, the ULINK Coastal Resilience team used their one-of-a-kind wave tank at the SUSTAIN lab to test different man-made reef designs under simulated storm wind and wave conditions in order to determine the best structures to be placed during the pilot; and

WHEREAS, along with the model being tested at the SUSTAIN lab, the ULINK team will be able to compare the results under the modelling and under natural conditions; and

WHEREAS, the goal is to have a pilot installed offshore within the next 12

months, but the construction is currently unfunded and ULINK is seeking funding; and

WHEREAS, at the October 25, 2019 Finance and Citywide Projects Committee meeting, the Committee approved and recommended that the City allocate an amount not to exceed \$20,000.00 to fund the ULINK pilot project.

NOW, THEREFORE, BE IT DULY RESOLVED BY THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, that the Mayor and City Commission hereby accept the recommendation of the Finance and Citywide Projects Committee, at its October 25, 2019 meeting, to allocate funding in an amount not to exceed \$20,000.00 to fund University of Miami's Laboratory for Integrative Knowledge ("ULINK") pilot project on artificial reefs.

PASSED AND ADOPTED this 30th day of October, 2019.

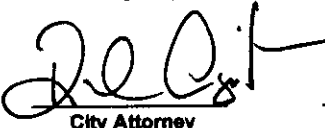
ATTEST:

Mayor Dan Gelber

Rafael E. Granado, City Clerk

(Sponsored by Commissioner Ricky Arriola)

APPROVED AS TO
FORM & LANGUAGE
& FOR EXECUTION



City Attorney

10-28-19

Date