Exhibit B

Testing Criteria

UM Hurricane Tank – Artificial Reef Module Simulation

Design cases:

1. Shore Parallel – Single Unit – Each car type – Hurricane and Surfing (8 cases)
2. Shore Parallel – Array – Hurricane and Surfing (2 cases)
3. Shore Oblique – Array – Hurricane and Surfing (2 cases)

Data outputs:

1. Drag coefficients on individual units.
2. Wave forces on units.
3. Wave characteristics over reef (shoaling, refraction, breaking).

Design criteria:

1. Depth limited 20-year storm design wave. Using 19.7' for desktop stability analysis.
2. Water depth 21' normal conditions. Water depth 29' with 20-year storm surge.
3. Wave period 11.4 seconds during storm conditions using linear wave theory for desktop stability analysis.
4. Level, sandy bed.
5. Surfing waves:
    A. Cold fronts sweeping southward (30 degrees):
        i. Hs 4' Tp 7 s.
        ii. Hs 8' Tp 10 s
    B. Onshore wind flow b/w Bahamas and S. Florida (45 degrees)
        i. Hs. 4' Tp 5 s
        ii. Hs. 8' Tp 7 s
    C. Nor'easters (10 degrees):
        i. Hs. 8' Tp 14 s