MIAMI BEACH
BUSINESS CASE ANALYSIS
OF THE
STORMWATER PROGRAM
Key Questions to Answer

▪ What is the effectiveness of the City’s planned infrastructure improvements (e.g., raising roads, increasing drainage capacity) at reducing flood risk?
▪ How much would additional private sector investments in flood mitigation reduce flood risk overall?
▪ What is the effect of these investments on property values?
▪ What are the other benefits of reduced flooding?
▪ Overall, what is the business case for public and private sector stormwater resilience investments?

Business case components:
- Expected losses/property damage
- Changes in property values
- Insurance premiums
- Property tax revenues
- Tourism revenues
- Operational/response costs
- Traffic disruptions
- Business closures
- Resilience construction
INTERDISCIPLINARY EVALUATION COMMITTEE
Team Roles

ICF

Overall project management, vision, oversight
Property value analysis
Economic analysis
Citywide risk modeling
Expected damages
Flood risk effects on insurance premiums

AIR

Integrated flood modeling

Kimley-Horn

Communications
Adaptation strategies for individual property owners
Support property value analysis
Qualitative analysis
Advisory support

BRIZAGA

FAU
FUNDING

$110K + $285K = $395K

STORMWATER FUND  BUDGET SURPLUS  TOTAL
## POOL OF QUALIFIED CONSULTANTS

<p>| 1. WOOD       |
| 2. AECOM      |
| 3. BALMORAL GROUP |
| 4. HAZEN AND SAWYER |
| 5. CH2M HILL (JACOBS) |
| 6. ARUP       |</p>
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<tr>
<th>Stage</th>
<th>Task Description</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
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<td>T1: User Engagement / Data Collection</td>
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<td>T2: Citywide SLR &amp; SS Modeling</td>
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<td>T7: Citywide Business Case</td>
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THANK YOU!
Eric Carpenter, PE
Assistant City Manager
EricCarpenter@miamibeachfl.gov