RECOVERY & RECONSTRUCTION EFFORTS

Manuel A. J. Laboy-Rivera, PE, MBA
Executive Director – COR3 & Governor's Authorized Representative (GAR)
ROLES AND RESPONSIBILITIES: FEMA, COR3 AND SUB-RECIPIENTS

Public Assistance Grants Program (Stafford Act Sections 406 & 428)
Hazard Mitigation Grants Program (Stafford Act Section 404)

State Agencies
Public Corporations
Municipalities
Private Non-Profit Organizations

Recipient & Administrator

Obligates Funds
- Oversight
- Monitoring & Auditing
- Technical Assistance

Disburses Funds
- Oversight
- Technical Assistance
- Compliance
- Transparency
- Monitoring & Auditing
- Close-Out

Execute Projects
- Compliance
- Transparency
- Close-Out

FEMA
COR3
Public Assistance Grants Program (Stafford Act Sections 406 & 428)
Hazard Mitigation Grants Program (Stafford Act Section 404)
Essential Services Stabilization
Disaster Recovery Planning
Emergency PW's (Cat. A/B) Development/Execution
Small Projects Development
Develop Permanent Work Projects (Cat C-G)
Development of Hazard Mitigation Projects (404)

2017
2018
2019
2020
2021
2022

Execution of Emergency Work
Execution Permanent Work

2,000 Projects In Construction Phase

Hurricanes Irma & María
Earthquakes COVID
Transition from Obligation to A/E to Construction Phase

PRNOW SUMMIT
RECOVERY BY THE NUMBERS (HURRICANE MARIA)
FEMA Public Assistance §§ 406 & 428 (A-B, C-G, Z)

TOTAL Request for PA
$37.7 B (11,508 PW's)

TOTAL Projects Obligated
$30.1 B (9,923 PW's)

PROJECTS
Permanent Work C-G

Projects C-G:
1,516 Large 406
2,462 Large 428
3,877 Small
($165.0 M Small Disbursed)

Emergency A-B

Admin. Costs Z

TOTAL Federal Share Disbursed
$5.1 B

TOTAL Projects Obligated
$27.7 B Federal Share

PW's
Obligated
Disbursed
7,892
$20.9 B
$322.6 M
1,564
$5.4 B
$4.3 B
467
$1.4 B
$463.8 M

Data as of June 3rd, 2022
A UNIQUE OPPORTUNITY TO MODERNIZE OUR INFRASTRUCTURE

$23 B Obligated TODAY To Repair or Rebuild After Hurricane María

- Roads & Bridges: $1.6 B
- Electrical System: $10.5 B
- Water System: $4.1 B
- Public Education: $2.9 B
- Industrial Buildings: $236 M
- Health Facilities: $175 M
- Other Public Buildings: $2.4 B
- Recreational Facilities and Parks: $1.1 B
A UNIQUE OPPORTUNITY TO MODERNIZE OUR INFRASTRUCTURE

TOTAL Projects Obligated

$30.1 B (9,923 PW’s)

TOTAL Request for PA

$37.7 B (11,508 PW’s)

Data as of June 3rd, 2022
ENERGY SECTOR: COST ESTIMATE BY ASSETS

$ 5,499.8M
Distribution
52.3%

$ 2,642.1M
Transmission
25.1%

$ 860.9M
Water
8.2%

$ 781.9M
Substations
1.2%

$ 685.9M
Telecommunications & IT
7%

$ 108.9M
Generation
1.0%

$ 125.1M
Buildings
1.2%

$ 10.5B
Total 428 Obligation
($ 10,510,983,792)

FEMA: 90%
CDBG-DR: 10%
[Does not include 406 Hazard Mitigation Funding]
### ENERGY SECTOR: REPAIR, RESTORE OR REPLACE DAMAGED ASSETS (428 PA)

<table>
<thead>
<tr>
<th>T&amp;D</th>
<th>Non T&amp;D (Generation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Programs</td>
<td>Projects/Programs</td>
</tr>
<tr>
<td>$3.2B</td>
<td>Approved by Puerto</td>
</tr>
<tr>
<td></td>
<td>Rico Energy Bureau</td>
</tr>
<tr>
<td>125 Projects</td>
<td>(Aligned with Act 17-2019)</td>
</tr>
<tr>
<td>$4.5B</td>
<td>127</td>
</tr>
<tr>
<td>$1.4B</td>
<td>$582M</td>
</tr>
<tr>
<td>&gt;$346M</td>
<td>Current Projects in</td>
</tr>
<tr>
<td></td>
<td>A/E</td>
</tr>
<tr>
<td></td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>$324M</td>
</tr>
<tr>
<td></td>
<td>Forecast of Projects to Start Construction in 2022</td>
</tr>
<tr>
<td></td>
<td>&gt;15</td>
</tr>
<tr>
<td></td>
<td>&gt;$334M</td>
</tr>
</tbody>
</table>

All Projects must be Approved by FEMA for Construction Phase (EHP & Hazard Mitigation)
<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Projects Approved by Puerto Rico Energy Bureau and FEMA</td>
<td>$658M</td>
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<tr>
<td>(Aligned with Act 17-2019)</td>
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<tr>
<td>Projects under Evaluation with USDOE and FEMA</td>
<td>$854M</td>
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<tr>
<td>Other Projects under Evaluation by COR3</td>
<td>TBD</td>
</tr>
<tr>
<td>Patillas Dam, Dams Early Warning System (both Projects in A/E)</td>
<td></td>
</tr>
<tr>
<td>North Region Generation</td>
<td></td>
</tr>
<tr>
<td>Hydro Electric Generation with Floating Solar/Microgrids, Marine/Ocean</td>
<td></td>
</tr>
<tr>
<td>Energy Projects</td>
<td></td>
</tr>
</tbody>
</table>
WATER SECTOR

$ 300M
Water Meters (7%)

$ 484M
DT Lines (12%)

$ 450M
PPTD (11%)

$ 761M
Trunk Lines (19%)

$ 882M
Water Treatment Plants (22%)

$ 502.8M
Wastewater Treatment Plants (12%)

$ 15M
Pumping Stations

$ 64M
WW Pumping Stations (2%)

$ 59.9M
Water Tanks (1%)

$ 180M
Submarine Outfalls (4%)

$ 20.5M
Dams

$ 257.9M
Reservoirs (6%)

$ 67.8M
Buildings (2%)

$ 8M
Wells

$ 4.052B
Total Obligated (Permanent Work)

$ 450M
PPTD (11%)

$ 484M
DT Lines (12%)
WATER SECTOR

$544M  Projects submitted to FEMA  26

$46M  Approved Projects  5

$594M  Projects in Design A/E  29

$53M  Projects in Construction  6

>$250M  Additional Projects to begin construction in 2022  >10

PRNOW SUMMIT
WATER SECTOR: HAZARD MITIGATION PROJECTS

Projects Approved by FEMA
- 2
- $34.5M
- Gens E. Ortega WTP
- Water Treatment Plants
  (both under Design A/E)

Projects under FEMA Evaluation
- 4
- $625M
- El Valenciano Dam
- Dorado WWTP
- San Sebastián
- Bauta
TRANSPORTATION SECTOR (STATE)

- **Roads and Bridges ($371.9M, 49%)**
- **Buildings and Equipment ($3.8M, %)**
- **Other Facilities ($112.5M, 15%)**
- **Total Obligated ($488.2M, 428)**
<table>
<thead>
<tr>
<th>Category</th>
<th>Cost</th>
<th>Count</th>
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</thead>
<tbody>
<tr>
<td>Projects submitted to FEMA</td>
<td>$493M</td>
<td>205</td>
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<tr>
<td>Approved Projects</td>
<td>$368M</td>
<td>141</td>
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<tr>
<td>Projects in Design A/E</td>
<td>$179M</td>
<td>131</td>
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<tr>
<td>Projects in Construction</td>
<td>$35M</td>
<td>3</td>
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<tr>
<td>Additional Projects to begin construction in 2022</td>
<td>&gt;$100M</td>
<td>&gt;25</td>
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</tbody>
</table>

NOTA: Incluye todas las categorías
<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projects submitted to FEMA</td>
<td>$3.5B</td>
<td>711</td>
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<tr>
<td>Approved Projects</td>
<td>$3.1B</td>
<td>262</td>
</tr>
<tr>
<td>Projects in Design A/E</td>
<td>&gt;$100M</td>
<td>&gt;60</td>
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<tr>
<td>Projects in Construction</td>
<td>$1.5M</td>
<td>2</td>
</tr>
<tr>
<td>Additional Projects to begin construction in 2022</td>
<td>&gt;$125M</td>
<td>&gt;55</td>
</tr>
</tbody>
</table>
MUNICIPALITIES

TOTAL PROJECT

- Roads/Bridges: 2,634
- Buildings/Equipment: 1,097
- Parks/Recreation: 1,909

5,715 (75% of All Projects)
2022 Target:
2,000 Projects in Construction
$1,000 M in Disbursements

As of December 31, 2021 – 4Q 2021
(Data from Quarterly Progress Reports)
As of March 31, 2022: Large PW’s, María DR, Public Assistance

3-Month Progress:
Completed: +126
Construction: +529
Design: +182
Procurement Design: +262
2022 DISBURSEMENT TARGETS
($1 B FEMA FUNDS)

Total Disbursements (All Disasters)

<table>
<thead>
<tr>
<th>Calendar Year</th>
<th>Amount Disbursed</th>
<th>Entity</th>
<th>% Cat A-B</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017-2019</td>
<td>$3.876 B</td>
<td>FEMA</td>
<td>99%</td>
</tr>
<tr>
<td>2020</td>
<td>$457 M</td>
<td>COR3</td>
<td>72%</td>
</tr>
<tr>
<td>2021</td>
<td>$358 M</td>
<td>COR3</td>
<td>66%</td>
</tr>
<tr>
<td>2022 YTD</td>
<td>$365 M</td>
<td>COR3</td>
<td>72%</td>
</tr>
</tbody>
</table>

Target by June 30: $500 M
This action is related to the flexibility obtained by FEMA’s elimination of the 2019 Agreement in September 2021

- First only for Municipalities
- Voluntary Program
- Project not started, no previous RFA/RFR/FOR
- 25% of Obligated Federal Share (Large PW C-G)
- María and Earthquakes DR’s
- Easy Process via DRS (Self-Certification, Ready to Pay (7-10 days electronic transfer)
- Compliance/Accountability Report 90-days after Transfer, including submittal of RFA/RFR
- Other Efficiency-Related Changes to COR3’s Disbursement Policy

Key Facts:
Up to 1,700 Projects
(Total Obligation: $1,600 M)

Estimated Impact: $375 M
A UNIQUE OPPORTUNITY TO MODERNIZE OUR INFRASTRUCTURE

Additional $4.2 B To Mitigate Future Risks And Achieve Climate Resiliency

- Safe Rooms
- Solar Energy
- Other Energy Generation
- Structural Retrofitting
- Local Flood Control
- Soil Stabilization
- Coral Reef Restoration
- Ocean Energy
- Coastal Erosion
Hazard Mitigation Projects – TOTAL Allocation: $4.2 B

APPROVED BY FEMA: $2.1 B

JULIO PEREZ IRIZARRY
SENIOR CENTER
$129,500

DORADO CENAGA DRAINAGE
$7,900

MOCA CITY HALL
$21,400

AIBONITO - SAN JOSÉ
STORMWATER PROTECTION
$12,300
Hazard Mitigation Projects – TOTAL Allocation: $4.2 B

SUBMITTED TO FEMA: $1.3 B
Energy Redundancy
Flood Control
Renewable Energy
Soil Stabilization
Structural Stabilization
Wind Protection

SUBMITTED TO FEMA: $1.3 B (Cont.)
CDBG-DR | CDBG-MIT
CDBG-DR & CDBG-MIT FUNDS

CDBG-DR: $10.5B
CDBG-MIT: $8.3B
Electric System Optimization: $1.93B
Earthquakes: $36.4M

TOTAL: $20.2B
CDBG-DR & CDBG-MIT FUNDS

- **ECONOMIC DEVELOPMENT**: $1,317,500,000
- **HOUSING**: $5,093,280,619
- **INFRASTRUCTURE**: $1,499,999,999
- **MULTISECTOR**: $1,289,000,000
- **PLANNING**: $296,743,850
These Housing Programs are designed for the unmet needs of low- and moderate-income citizens who were affected by the impact of the hurricanes.
### ECONOMIC STIMULATIVE EFFECTS OF RECOVERY FUNDS

<table>
<thead>
<tr>
<th></th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25-FY35</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEMA PA &amp; HMGP</td>
<td>$ 2.1B</td>
<td>$ 3.3B</td>
<td>$ 2.4B</td>
<td>$ 29B</td>
</tr>
</tbody>
</table>

**Short/Mid-Term**

Reconstruction-Driven Growth

GDP, Jobs, Spill-Over other Sectors, SME’s

**Long-Term**

Transformed and Resilient Infrastructure

Post-reconstruction development

See 2022 FOMB Fiscal Plan
Modernizing our Infrastructure for a Competitive and more Resilient Puerto Rico

Reconstruction is Happening!

2022 (FEMA Funds):
2,000 Projects
$1 B Disbursements