



# PRNOW

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# RECOVERY & RECONSTRUCTION EFFORTS

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Executive Director – COR3 &  
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# 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)



## FEMA

CENTRAL OFFICE FOR RECOVERY,  
RECONSTRUCTION AND RESILIENCY  
**COR3**



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





# TIMELINE: RECOVERY & RECONSTRUCTION EFFORTS

Execution of Emergency Work

Execution Permanent Work

2017

2018

2019

2020

2021

2022

Hurricanes  
Irma & María

Earthquakes  
COVID

Transition from Obligation to A/E to  
Construction Phase

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)

2,000 Projects  
In Construction Phase



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# 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** (9,923PW's)

TOTAL Federal Share  
**Disbursed \$5.1 B**

TOTAL Projects Obligated  
**\$27.7 B Federal Share**

### 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

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

Data as of June 3<sup>rd</sup>, 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**

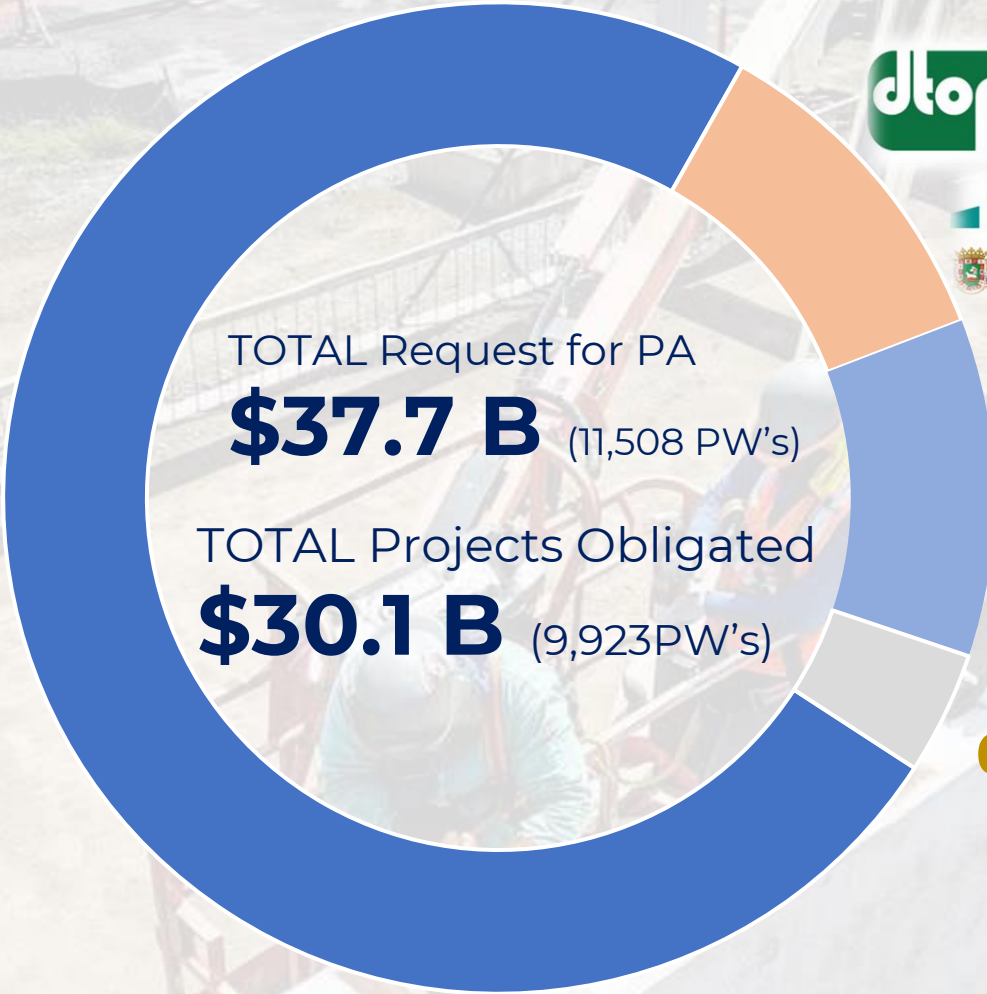




# A UNIQUE OPPORTUNITY TO MODERNIZE OUR INFRASTRUCTURE



74%



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

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



11%

**Municipalities** 11%

**Other Agencies & NGO's** 4%





# ENERGY SECTOR: COST ESTIMATE BY ASSETS

**\$ 2,642.1M**

Transmission  
25.1%

**\$ 125.1M**

Buildings  
1.2%

**\$ 860.9M**

Water  
8.2%

**\$ 781.9M**

Substations  
7.4%

**\$ 685.9M**

Telecommunications  
& IT 7%

**\$ 108.9M**

Generation  
1.0%

**\$ 10.5B**

Total 428 Obligation  
(\$ 10,510,983,792)

FEMA: 90%

CDBG-DR: 10%

[Does not include 406 Hazard  
Mitigation Funding]

**\$ 5,499.8M**

Distribution  
52.3%







# ENERGY SECTOR: REPAIR, RESTORE OR REPLACE DAMAGED ASSETS (428 PA)

All Projects must be Approved by FEMA for Construction Phase (EHP & Hazard Mitigation)

## T&D

## Non T&D (Generation)

10 Programs  
**\$3.2B**

125 Projects  
**\$4.5B**

**\$1.4B**

**>\$346M**

**135**

**84**

**>50**

Projects/Programs Approved by Puerto Rico Energy Bureau (Aligned with Act 17-2019)

Current Projects in A/E

Forecast of Projects to Start Construction in 2022

**127**

**17**

**>15**

**\$582M**

**\$324M**

**>\$334M**





## ENERGY SECTOR: MITIGATE FUTURE HAZARDS (404 HMGP)

Projects Approved by  
Puerto Rico Energy Bureau  
and FEMA  
(Aligned with Act 17-2019)

2

\$658M

Patillas Dam,  
Dams Early Warning System  
(both Projects in A/E)

Projects under Evaluation  
with USDOE and FEMA

2

\$854M

North Region  
Generation

Other Projects under  
Evaluation by COR3

TBD

\$TBD

Hydro Electric Generation  
with Floating Solar  
/Microgrids, Marine/Ocean  
Energy Projects





# WATER SECTOR \$ 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%)

**\$ 257.9M**

Reservoirs (6%)

**\$ 20.5M**

Dams

**\$ 8M**

Wells



**\$ 300M**

Water Meters (7%)

**\$ 484M**

DT Lines (12%)

**\$ 450M**

PPTD (11%)

**\$ 761M**

Trunk Lines (19%)

**\$ 4.052B**  
Total Obligated  
(Permanent Work)

**\$ 67.8M**

Buildings (2%)



## 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**





# 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

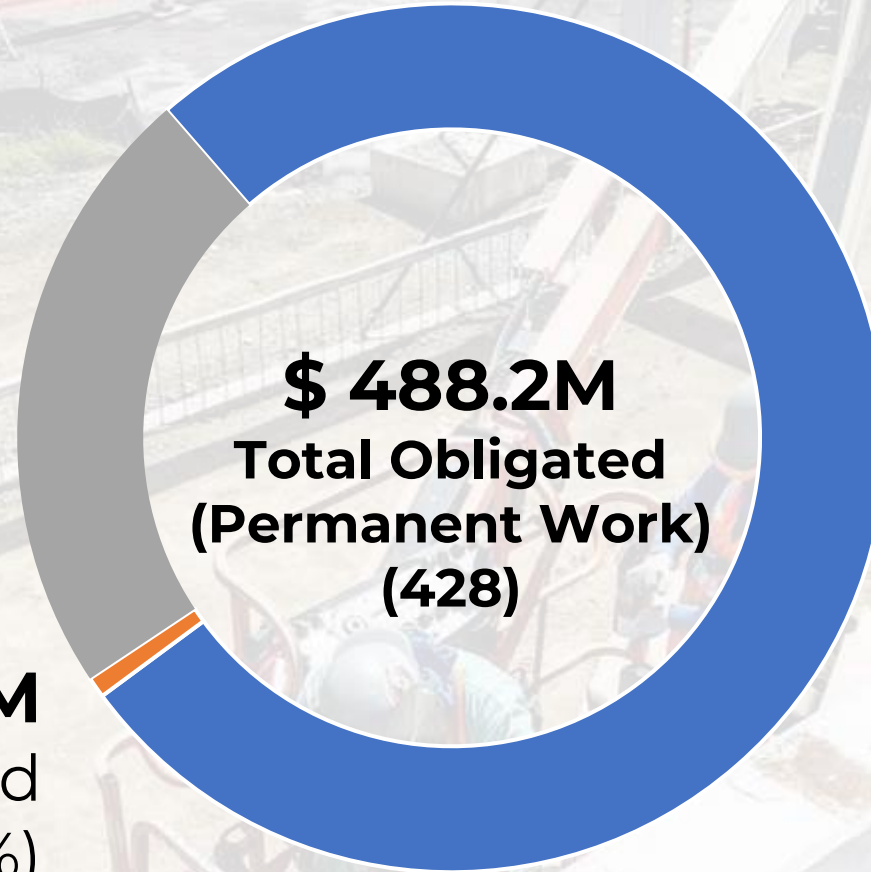




# TRANSPORTATION SECTOR (STATE)

OFICINA CENTRAL DE  
RECUPERACIÓN,  
RECONSTRUCCIÓN Y  
RESILIENCIA

**\$ 112.5M**  
Other Facilities (15%)



**\$ 371.9M**  
Roads and Bridges  
(49%)

**\$ 3.8M**  
Buildings and  
Equipment (%)





## TRANSPORTATION SECTOR (STATE)

**\$493M**

Projects submitted  
to FEMA

**205**

**\$368M**

Approved  
Projects

**141**

**\$179M**

Projects in Design  
A/E

**131**

**\$35M**

Projects in Construction

**3**

**>\$100M**

Additional Projects to  
begin construction in 2022

**>25**





## EDUCATION SECTOR

**\$3.5B**

Projects submitted  
to FEMA

**711**

**\$3.1B**

Approved  
Projects

**262**

**>\$100M**

Projects in Design  
A/E

**>60**

**\$1.5M**

Projects in Construction

**2**

**>\$125M**

Additional Projects to  
begin construction in 2022

**>55**







## MUNICIPALITIES

### TOTAL PROJECT

Roads/Bridges

Buildings/Equipment

Parks/Recreation

**5,715** (75% of All Projects)

**2,634**

**1,097**

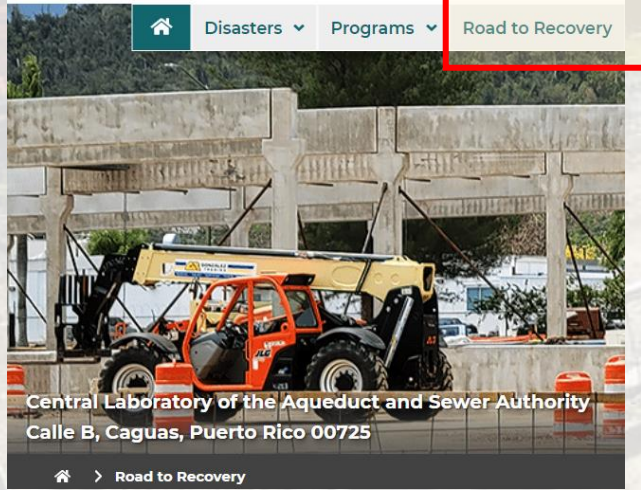
**1,909**



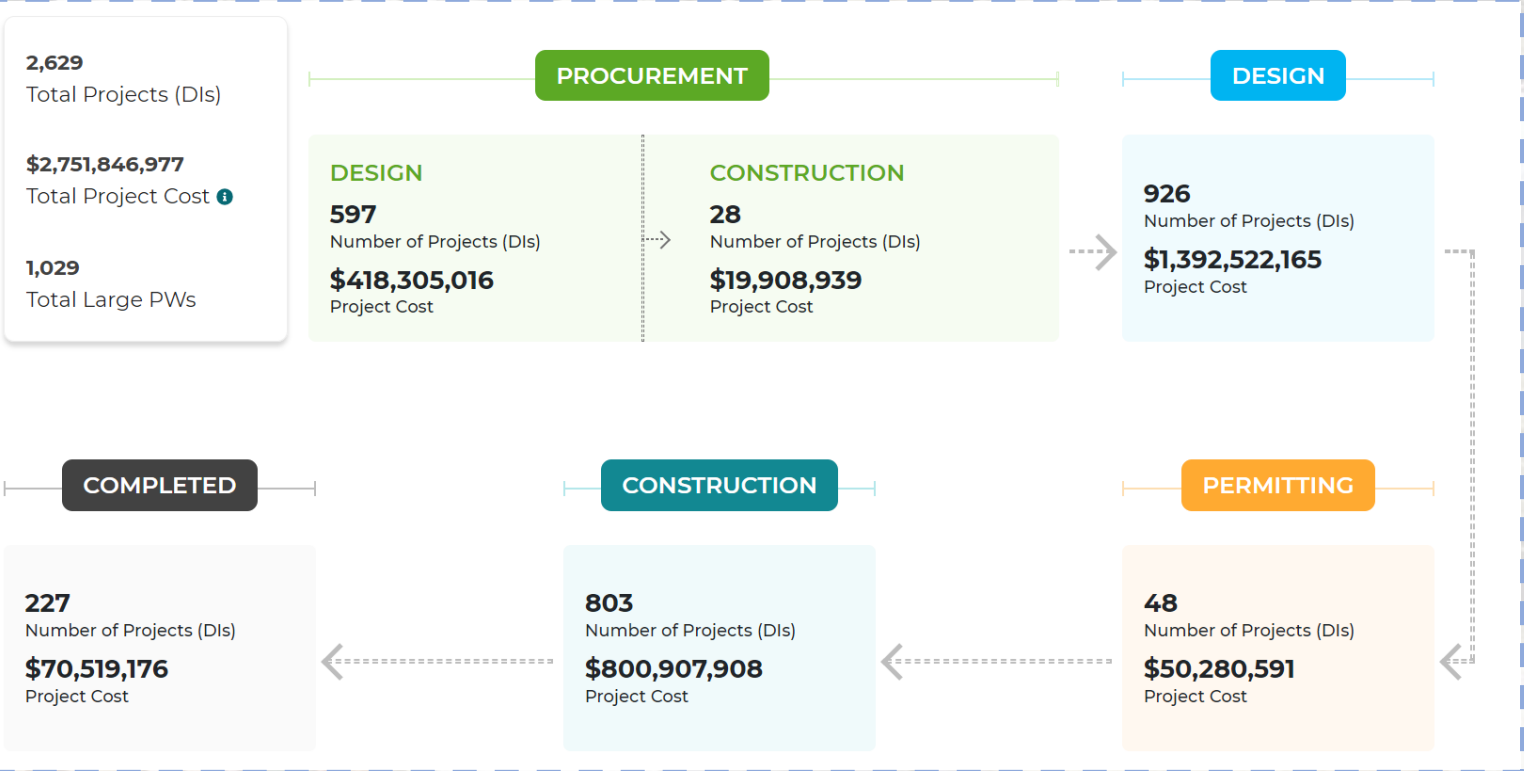


# ROAD TO RECOVERY PROJECT EXECUTION DASHBOARD

## TRANSPARENCY PORTAL



## Execution Phase Overview



**2022 Target:**  
**2,000 Projects in Construction**  
**\$1,000 M in Disbursements**



As of December 31, 2021 – 4Q 2021  
 (Data from Quarterly Progress Reports)

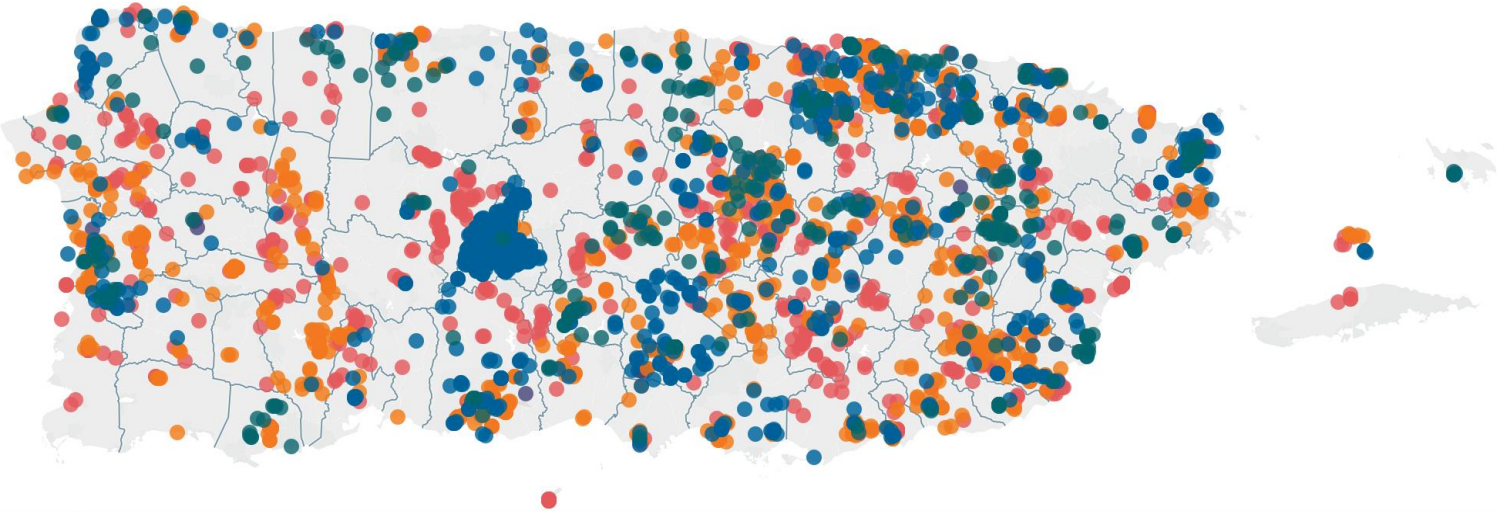




# ROAD TO RECOVERY PROJECT EXECUTION DASHBOARD (2000 PROJECTS)

Damages by Location

Hover over damage location to view details.



### **3-Month Progress:**

Completed: +126

Construction +529

Design: +182

Procurement Design: +262

As of March 31, 2022: Large PW's, María DR, Public Assistance



PROCUREMENT

DESIGN

PERMITTING

CONSTRUCTION

COMPLETED





## 2022 DISBURSEMENT TARGETS (\$1 B FEMA FUNDS)

### Total Disbursements (All Disasters)

Calendar Year	Amount Disbursed	Entity	% Cat A-B
2017-2019	\$3.876 B	FEMA	99%
2020	\$457 M	COR3	72%
2021	\$358 M	COR3	66%
2022 YTD	<b>\$365 M</b>	COR3	72%

**Target by June 30: \$500 M**





## WORKING CAPITAL ADVANCE PILOT PROGRAM – JUNE 2022

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**



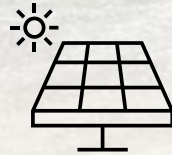


# A UNIQUE OPPORTUNITY TO MODERNIZE OUR INFRASTRUCTURE

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



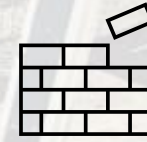
**Safe Rooms**



**Solar Energy**



**Other Energy Generation**



**Structural Retrofitting**



**Local Flood Control**



**Soil Stabilization**



**Coral Reef Restoration**



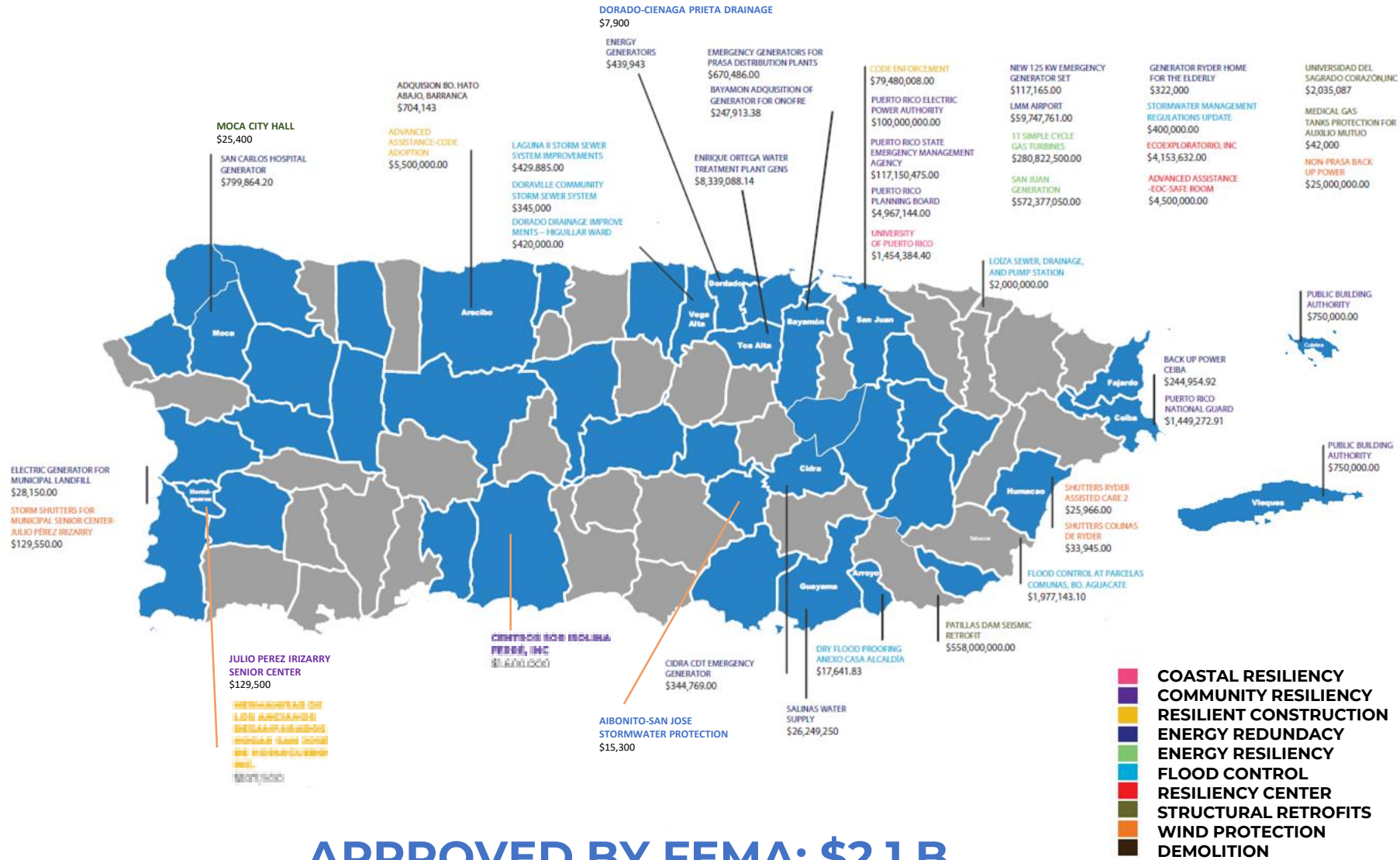
**Ocean Energy**



**Coastal Erosion**



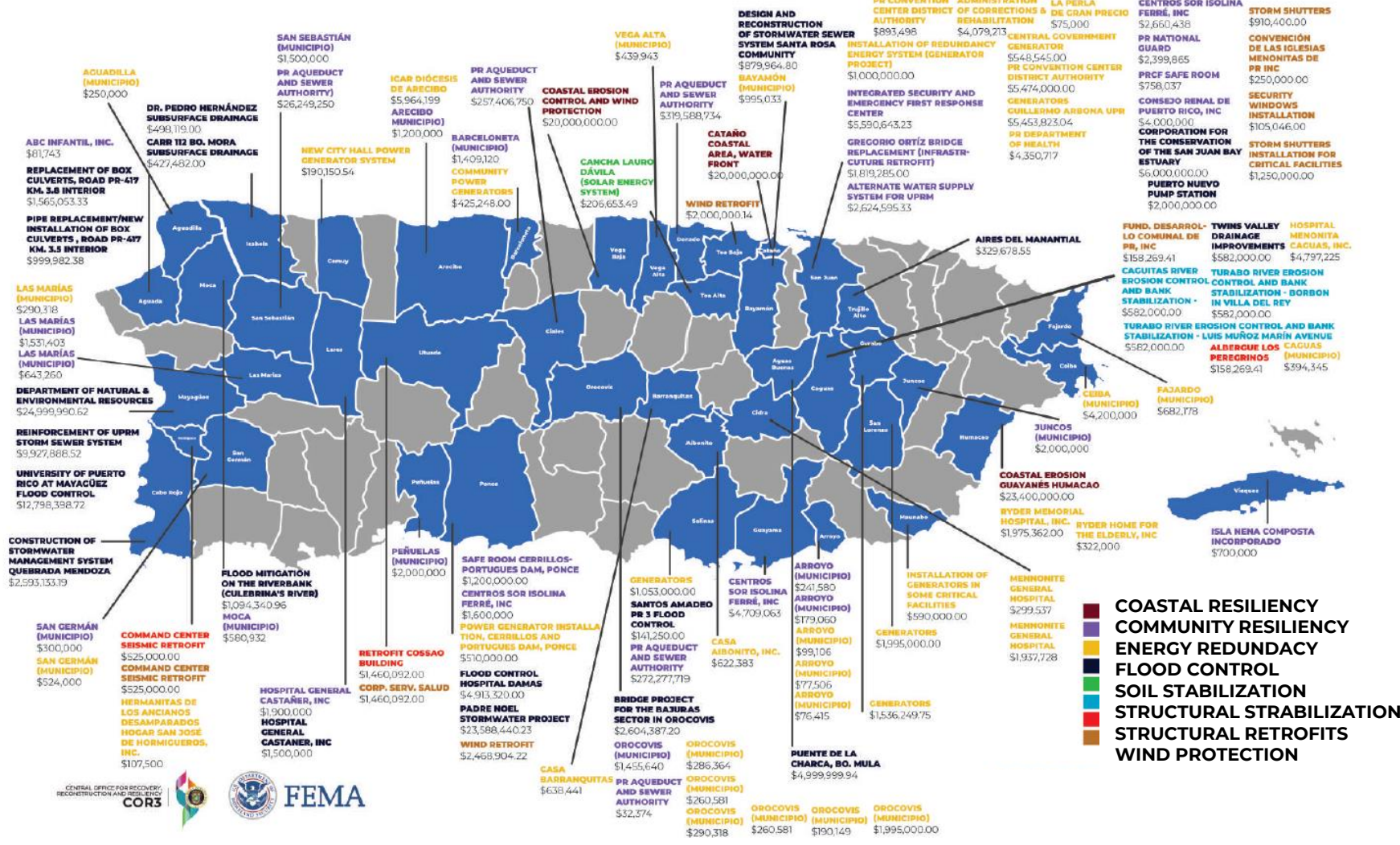
# Hazard Mitigation Projects – TOTAL Allocation: \$4.2 B



**APPROVED BY FEMA: \$2.1 B**



# Hazard Mitigation Projects – TOTAL Allocation: \$4.2 B

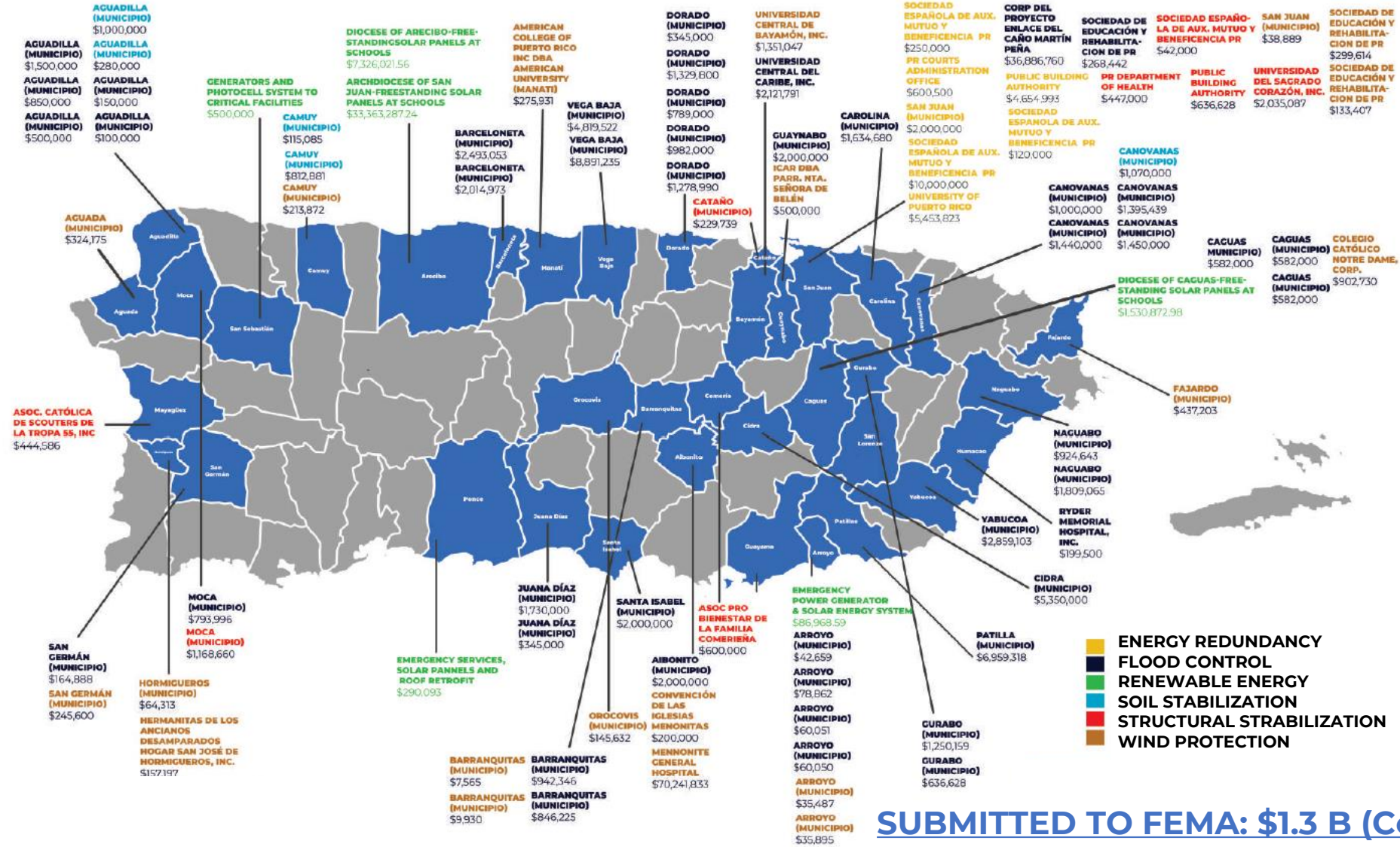


SUBMITTED TO FEMA: \$1.3 B





# Hazard Mitigation Projects – TOTAL Allocation: \$4.2 B



- ENERGY REDUNDANCY
- FLOOD CONTROL
- RENEWABLE ENERGY
- SOIL STABILIZATION
- STRUCTURAL STRABILIZATION
- WIND PROTECTION

**SUBMITTED TO FEMA: \$1.3 B (Cont.)**





# CDBG-DR | CDBG-MIT

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## CDBG-DR & CDBG-MIT FUNDS



CDBG-DR

**\$10.5B**



CDBG-MIT

**\$8.3 B**



Electric System  
Optimization

**\$1.93 B**



Earthquakes

**\$36.4 M**



**TOTAL \$20.2 B**





## 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





# CDBG-DR & CDBG-MIT FUNDS



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

FEMA  
PA & HMGP

**FY22**  
**\$ 2.1B**

**FY23**  
**\$ 3.3B**

**FY24**  
**\$ 2.4B**

**FY25-FY35**  
**\$ 29B**

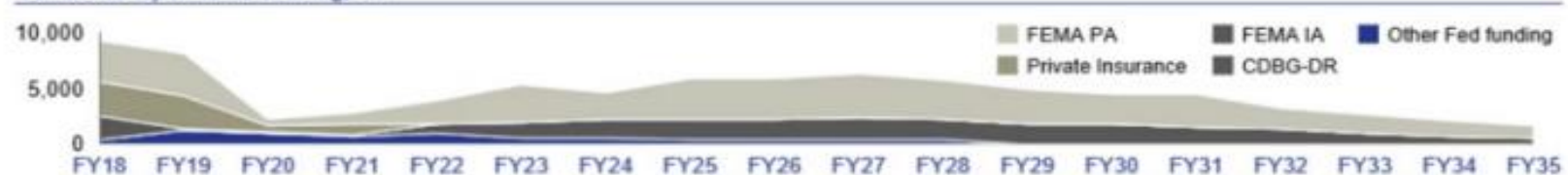
**Short/Mid-Term**  
**Reconstruction-Driven Growth**

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

**Long-Term**  
**Transformed and Resilient Infrastructure**

Post-reconstruction development

Disaster aid by source of funding, \$M





**Modernizing our Infrastructure for a Competitive  
and more Resilient Puerto Rico**

**Reconstruction is Happening!**

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

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