

PA-02-NY-4085-PW-00004(0) <u>P</u>	
Applicant Name:	Application Title:
NYU MEDICAL CENTER	U670K03 - Hazardous Materials Clearing, Removal
Period of Performance Start:	Period of Performance End:
10-30-2012	04-30-2013

Subgrant Application - Entire Application

Application Title: U670K03 - Hazardous Materials Clearing, Removal

Application Number: PA-02-NY-4085-PW-00004(0)

Application Type: Subgrant Application (PW)

Preparer Information

Prefix
 First Name Dominic
 Middle Initial
 Last Name Nguyen
 Title FEMA Project Specialist
 Agency/Organization Name DHS/FEMA
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 State NY
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Is the application preparer the Point of Contact? No

Point of Contact Information

Prefix
 First Name James
 Middle Initial
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 Title Controller-NYUHC
 Agency/Organization NYU Medical Center
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 City New York
 State NY
 ZIP 11016
 Phone (b)(6)

Fax 212-263-3303
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Alternate Point of Contact Information

Prefix
 First Name
 Middle Initial
 Last Name
 Title
 Agency/Organization
 Address 1
 Address 2
 City
 State
 ZIP
 Phone
 Fax
 Email

Project Description

Disaster Number: 4085
 Pre-Application Number: PA-02-NY-4085-RPA-0115
 Applicant ID: 061-U670K-00
 Applicant Name: NYU MEDICAL CENTER
 Subdivision:
 Project Number: U670K03
 Standard Project Number/Title: 299 - Emergency Protective Measures
 Please Indicate the Project Type: Neither Alternate nor Improved
 Application Title: U670K03 - Hazardous Materials Clearing, Removal
 Category: B.PROTECTIVE MEASURES
 Percentage Work Completed? 99.0 %
 As of Date: 11-26-2012
 Comments

Attachments

Damage Facilities (Part 1 of 2)

Facility Number	Facility Name	Address	County	City	State	ZIP	Site Previously Damaged?	Action
1	Hazardous Materials Clearing, Removal		New York	New York	NY		No	

Comments

Attachments

Facility Name: Hazardous Materials Clearing, Removal

Address 1:

Address 2:

County: New York

City: New York

State: NY

ZIP:

Was this site previously damaged? No

PA-02-NY-4085-PW-00004(0):
550 First Avenue, New York, NY 10016

Location:

Damage Description and Dimensions:

PA-02-NY-4085-PW-00004(0):
NYU Langone Medical Center ("Applicant") is a critical health care Private Non-Profit (PNP) entity that is composed of four hospitals: Tisch Hospital, a 705-bed acute care facility; the Hospital for Joint Diseases; Hassenfeld Pediatric Center, a pediatric hospital; and the Rusk Institute of Rehabilitation Medicine. As indicated on Attachment A, asbestos can be found on surfacing materials, thermal system insulation and miscellaneous materials used to finish and furnish the Center's facilities. As a result of Hurricane Sandy ("declared event"), storm surge flooded the lower levels (basement and sub-basement) of the facilities at the Super Block and saturated medical equipment, lab spaces containing research animals and specimens, office furnishings, and classrooms, and office spaces. The flooded area had asbestos-containing materials and also an irradiator containing radioactive material used for research at the Smilow Research Center. Additionally, the flooding dispersed leaked fuel oil and other contaminants throughout the lower levels of the Center.

PA-02-NY-4085-PW-00004(0):
Work Completed - Beginning on October 30, 2012 and continuing, Applicant undertook immediate action after the disaster to remove hazardous materials from the flooded areas. Hazardous debris removal activities included:

1. Removal and disposal of asbestos-bearing materials and wastewater from the Center's Medical Science Building, Rubin Hall, Schwartz Lecture Hall, Rusk Institute, Perelman Building, Tisch Hospital, and the Smilow Research Center. Applicant is using several hazardous waste abatement/remediation contractors to perform the work (Stericycle, Pal Environmental Services, JVN Restoration, Inc., PAR Disaster Services, Inc.).
2. Surveying/evaluating the flooded areas for hazardous materials requiring abatement and monitoring the asbestos and hazardous waste removal/remediation work being performed by contractors. Applicant is using environmental consulting firms (Veolia Environmental Services and EPM, Inc.) to perform this evaluation and oversight work.
3. Removal, clean-up and remediation of fuel oil that leaked due to the flooding and spread throughout the flooded areas of the Center. Applicant is using Consulting & Testing Services Inc. to perform this work.
4. Removal and disposal of the damaged irradiator from the Smilow

Research Center. Applicant is using ETS Contracting, Inc. to perform this work.

Applicant submitted a summary spreadsheet identifying its hazardous waste/asbestos removal/remediation activities to-date, the estimated costs for these activities, and the method by which the activities were accomplished or will be accomplished. That spreadsheet has been included with this Project Worksheet as Attachment B. A review of the supplemental information and supporting documentation provided by the Applicant for its disaster-related hazardous waste/asbestos removal and remediation costs resulted in the following notations:

1. Applicant utilized time and materials contracts (with not to exceed stipulations) for the majority of the temporary relocation/facilities activities. Applicant has asserted that it is carefully monitoring the contracts and the contracts. Applicant's emergency procurement procedures, which it has invoked for this disaster, permit time and materials contracts
2. Regular Project Worksheets will be written for the Applicant's hazardous waste/asbestos removal and remediation costs upon submission of the required backup and supporting documentation. As appropriate, Versions (amendments) to this expedited Project Worksheet may be issued to de-obligate the corresponding funds allocated by the new Project Worksheets.
3. The Applicant has not identified specific force account labor or equipment costs for hazardous waste/asbestos remediation and removal costs. Applicant is authorized to receive reimbursement for straight or regular time salaries and benefits of an applicant's permanently employed staff that performs eligible debris-related work over a period not to exceed 30 consecutive calendar days. The Applicant may choose one 30-day period of eligibility. If the Applicant has any force account labor costs for eligible debris removal, it may request reimbursement for these costs with regular Project Worksheets and the submission of supporting documentation.
4. Any insurance proceeds recoverable by the Applicant for its disaster-related costs that are funded by the FEMA Public Assistance program are required to be remitted back to the Federal government.

Scope of Work:

Based on the information and supporting documentation provided by the Applicant, this Project Worksheets allocates \$12,300,000 on an expedited basis for the Applicant's hazardous waste/asbestos removal and remediation costs incurred from October 30, 2012 and ongoing. These costs will be validated and reconciled in accordance with the regulations governing the FEMA Public Assistance Program. Project Worksheets will be issued to document the reconciliations and obligate/de-obligate funds as appropriate.

Costs incurred by the Applicant for evacuation of patients, dewatering/remediation of flooded areas, power restoration, temporary repairs and other emergency measures are addressed by expedited Project Worksheet U670K01. Expedited Project Worksheet U670K02 covers the Applicant's temporary relocation/facilities costs.

RECORD RETENTION: Complete records and cost documents for all approved work must be maintained for at least 3 years from the date the last project was completed or from the date final payment was received, whichever is later. Applicant is responsible for retention of all documentation associated with this project.

SUPPORTING DOCUMENTATION: 20% or more of the documentation to support this project has been reviewed and verified by the Applicant and Project Specialist for eligibility and correctness.

PROCUREMENT: The applicant is required to adhere to State Government Procurement rules and regulations and maintain adequate records to support the basis for all purchasing of goods and materials and contracting

services for projects approved under the Public Assistance program, as stated in 44 CFR 13.36. The applicant has advised they have/will follow their normal procurement procedures.

PERMITS: The PA Project Specialist has advised the Applicant that it is their responsibility to obtain all applicable local, state and federal permits prior to any construction or debris disposal activity referenced on this project. Applicant has also been advised that the lack of obtaining and maintaining these documents may jeopardize funding.

INSURANCE: The applicant is aware that all projects are subject to an insurance review as stated in 44 C.F.R. Sections 206.252 and 206.253. If applicable an insurance determination will be made either as anticipated proceeds or actual proceeds in accordance with the applicant's insurance policy that may affect the total amount of the project.

11/27/2012The subgrantee is not requesting Direct Administrative Costs (DAC) that are directly chargeable to this specific project. Associated eligible work is related administration of the PA project only and in accordance with 44 CFR 13.22. These costs are treated consistently and uniformly as direct costs in all federal awards and other subgrantee activities and are not included in any approved indirect cost rates.

Project Location	GIS Coordinates	
	Latitude	Longitude
550 First Avenue, New York, NY 10016	40.911061	-73.833745

PNP Questions	
Name of damaged facility:	NYU Medical Center
Critical facility:	Entire Facility is Critical
Facility Street Address:	550 First Avenue
City:	New York
State:	NY
ZIP:	10016
Was the facility in use during disaster?	Yes
Was the facility damaged due to disaster?	Yes
Are repairs the legal responsibility of the PNP?	Yes
Please explain the primary purpose of damaged facility:	Medical Care
Please explain the type of assistance requested?	Financial Assistance
Who may use the facility?	General Public
Contact First Name:	James
Contact Middle Initial:	
Contact Last Name:	Martin
Contact Phone:	(b)(6)
Is there a fee charged for use of the facility:	Yes
If Yes, what is the cost?	\$ 1.00
Do you own the facility?	Yes

If Yes, do you have proof of ownership attached? Yes

Do you lease the facility? No

If Yes, do you have the lease agreement attached?

Do you rent the facility? No

If Yes, do you have the rental agreement attached?

Is the facility insured? Yes

If Yes, is the insurance policy attached? No

Comments

Attachments

Special Considerations

1. Does the damaged facility or item of work have insurance coverage and/or is it an insurable risk (e.g., buildings, equipment, vehicles, etc)? No
2. Is the damaged facility located within a floodplain or coastal high hazard area and/or does it have an impact on a floodplain or wetland? No
3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area? No
4. Will the proposed facility repairs/reconstruction change the pre-disaster conditions (e.g., footprint, material, location, capacity, use of function)? No
5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard mitigation proposal? No
6. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site? No
7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland? No
8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work? No
9. Are there any other environmental or controversial issues associated with the damaged facility and/or item of work? No

If you would like to make any comments, please enter them below.

(maximum 4000 characters)

Any change to the approved scope of work will require re-evaluation by the Environmental/Historic Preservation section for compliance with environmental and historic preservation considerations under the National Environmental Policy Act. Noncompliance with this requirement may jeopardize the receipt of federal funding.

Attachments

Mitigation section is not applicable for your project category.

Cost Estimate

Is this Project Worksheet for

(Preferred) Repair 2

Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Cost Estimate	Action
1	<u>0000</u>							Work to be Completed

Subgrant Application - FEMA Form 90-91**Note:** The Effective Cost Share for this application is 75%

FEDERAL EMERGENCY MANAGEMENT AGENCY PROJECT WORKSHEET						
DISASTER		PROJECT NO. U670K03	PA ID NO. 061-U670K-00		DATE 11-27-2012	CATEGORY B
FEMA	4085 - DR - NY					
APPLICANT: NYU MEDICAL CENTER				WORK COMPLETE AS OF: 11-26-2012 : 99 %		
Site 1 of 1						
DAMAGED FACILITY: Hazardous Materials Clearing, Removal				COUNTY: New York		
LOCATION: PA-02-NY-4085-PW-00004(0): 550 First Avenue, New York, NY 10016				LATITUDE: 40.911061	LONGITUDE: -73.833745	
DAMAGE DESCRIPTION AND DIMENSIONS: PA-02-NY-4085-PW-00004(0): NYU Langone Medical Center ("Applicant") is a critical health care Private Non-Profit (PNP) entity that is composed of four hospitals: Tisch Hospital, a 705-bed acute care facility; the Hospital for Joint Diseases; Hassenfeld Pediatric Center, a pediatric hospital; and the Rusk Institute of Rehabilitation Medicine. As indicated on Attachment A, asbestos can be found on surfacing materials, thermal system insulation and miscellaneous materials used to finish and furnish the Center's facilities. As a result of Hurricane Sandy ("declared event"), storm surge flooded the lower levels (basement and sub-basement) of the facilities at the Super Block and saturated medical equipment, lab spaces containing research animals and specimens, office furnishings, and classrooms, and office spaces. The flooded area had asbestos-containing materials and also an irradiator containing radioactive material used for research at the Smilow Research Center. Additionally, the flooding dispersed leaked fuel oil and other contaminants throughout the lower levels of the Center.						
SCOPE OF WORK: PA-02-NY-4085-PW-00004(0): Work Completed - Beginning on October 30, 2012 and continuing, Applicant undertook immediate action after the disaster to remove hazardous materials from the flooded areas. Hazardous debris removal activities included: 1. Removal and disposal of asbestos-bearing materials and wastewater from the Center's Medical Science Building, Rubin Hall, Schwartz Lecture Hall, Rusk Institute, Perelman Building, Tisch Hospital, and the Smilow Research Center. Applicant is using several hazardous waste abatement/remediation contractors to perform the work (Stericycle, Pal Environmental Services, JVN Restoration, Inc., PAR Disaster Services, Inc.). 2. Surveying/evaluating the flooded areas for hazardous materials requiring abatement and monitoring the asbestos and hazardous waste removal/remediation work being performed by contractors. Applicant is using environmental consulting firms (Veolia Environmental Services and EPM, Inc.) to perform this evaluation and oversight work. 3. Removal, clean-up and remediation of fuel oil that leaked due to the flooding and spread throughout the flooded areas of the Center. Applicant is using Consulting & Testing Services Inc. to perform this work. 4. Removal and disposal of the damaged irradiator from the Smilow Research Center. Applicant is using ETS Contracting, Inc. to perform this work. Applicant submitted a summary spreadsheet identifying its hazardous waste/asbestos removal/remediation activities to-date, the estimated costs for these activities, and the method by which the activities were accomplished or will be accomplished. That spreadsheet has been included with this Project Worksheet as Attachment B. A review of the supplemental information and supporting documentation provided by the Applicant for its disaster-related hazardous waste/asbestos removal and remediation costs resulted in the following notations: 1. Applicant utilized time and materials contracts (with not to exceed stipulations) for the majority of the temporary relocation/facilities activities. Applicant has asserted that it is carefully monitoring the contracts and the contracts. Applicant's emergency procurement procedures, which it has invoked for this disaster, permit time and materials contracts 2. Regular Project Worksheets will be written for the Applicant's hazardous waste/asbestos removal and remediation costs upon submission of the required backup and supporting documentation. As appropriate, Versions (amendments) to this expedited Project Worksheet may be issued to de-obligate the corresponding funds allocated by the new Project Worksheets. 3. The Applicant has not identified specific force account labor or equipment costs for hazardous waste/asbestos remediation and removal costs. Applicant is authorized to receive reimbursement for straight or regular time salaries and benefits of an applicant's permanently employed staff that performs eligible debris-related work over a period not to exceed 30 consecutive calendar days. The Applicant may choose one 30-day period of eligibility. If the Applicant has any force account labor costs for eligible debris removal, it may request reimbursement for these costs with regular Project Worksheets and the submission of supporting documentation. 4. Any insurance proceeds recoverable by the Applicant for its disaster-related costs that are funded by the FEMA Public Assistance program are required to be remitted back to the Federal government. Based on the information and supporting documentation provided by the Applicant, this Project Worksheets allocates \$12,300,000 on an expedited basis for the Applicant's hazardous waste/asbestos						

removal and remediation costs incurred from October 30, 2012 and ongoing. These costs will be validated and reconciled in accordance with the regulations governing the FEMA Public Assistance Program. Project Worksheets will be issued to document the reconciliations and obligate/de-obligate funds as appropriate. Costs incurred by the Applicant for evacuation of patients, dewatering/remediation of flooded areas, power restoration, temporary repairs and other emergency measures are addressed by expedited Project Worksheet U670K01, Expedited Project Worksheet U670K02 covers the Applicant's temporary relocation/facilities costs. RECORD RETENTION: Complete records and cost documents for all approved work must be maintained for at least 3 years from the date the last project was completed or from the date final payment was received, whichever is later. Applicant is responsible for retention of all documentation associated with this project. SUPPORTING DOCUMENTATION: 20% or more of the documentation to support this project has been reviewed and verified by the Applicant and Project Specialist for eligibility and correctness. PROCUREMENT: The applicant is required to adhere to State Government Procurement rules and regulations and maintain adequate records to support the basis for all purchasing of goods and materials and contracting services for projects approved under the Public Assistance program, as stated in 44 CFR 13.36. The applicant has advised they have/will follow their normal procurement procedures. PERMITS: The PA Project Specialist has advised the Applicant that it is their responsibility to obtain all applicable local, state and federal permits prior to any construction or debris disposal activity referenced on this project. Applicant has also been advised that the lack of obtaining and maintaining these documents may jeopardize funding. INSURANCE: The applicant is aware that all projects are subject to an insurance review as stated in 44 C.F.R. Sections 206.252 and 206.253. If applicable an insurance determination will be made either as anticipated proceeds or actual proceeds in accordance with the applicant's insurance policy that may affect the total amount of the project. 11/27/2012The subgrantee is not requesting Direct Administrative Costs (DAC) that are directly chargeable to this specific project. Associated eligible work is related administration of the PA project only and in accordance with 44 CFR 13.22. These costs are treated consistently and uniformly as direct costs in all federal awards and other subgrantee activities and are not included in any approved indirect cost rates.

Does the Scope of Work change the pre-disaster conditions at the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Special Considerations included? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Hazard Mitigation proposal included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is there insurance coverage on this facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST
1	0000	Work to be Completed	0/LS	\$ 0.00	\$ 0.00
2	0000	Work Completed	0/LS	\$ 0.00	\$ 0.00
3	9999	Asbestos/Hazardous Waste Removal (Contract)	1/LS	\$ 9,500,000.00	\$ 9,500,000.00
4	9999	Asbestos Surveys/Monitoring (Contract)	1/LS	\$ 1,000,000.00	\$ 1,000,000.00
5	9999	Fuel Oil Removal/Remediation (Contract)	1/LS	\$ 1,500,000.00	\$ 1,500,000.00
6	9999	Irradiator Removal/Disposal (Contract)	1/LS	\$ 200,000.00	\$ 200,000.00
7	0000	Work to be Completed	0/LS	\$ 0.00	\$ 0.00
8	9999	Irradiator Removal/Disposal (Contract)	1/LS	\$ 100,000.00	\$ 100,000.00
9	9903	No Direct Administrative Costs	0/LS	\$ 0.00	\$ 0.00

TOTAL COST \$ 12,300,000.00

PREPARED BY Dominic Nguyen	TITLE FEMA Project Specialist	SIGNATURE
APPLICANT REP. James Martin	TITLE Controller-NYUHC	SIGNATURE

NYU MEDICAL CENTER : PA-02-NY-4085-PW-00004

Conditions Information

Review Name	Condition Type	Condition Name	Description	Monitored	Status

EHP Review	Other (EHP)	NEPA Condition	Documentation provided with additional PWs and amendments must include verification that all material was handled and disposed in compliance with applicable laws, regulations, Executive Orders, etc. Failure to comply may result in loss of FEMA funding.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #1	Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #2	This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #3	If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.	No	Recommended
Final Review	Other (EHP)	NEPA Condition	Documentation provided with additional PWs and amendments must include verification that all material was handled and disposed in compliance with applicable laws, regulations, Executive Orders, etc. Failure to comply may result in loss of FEMA funding.	No	Approved
Final Review	Other (EHP)	Standard Condition #1	Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.	No	Approved
Final Review	Other (EHP)	Standard Condition #2	This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.	No	Approved
Final Review	Other (EHP)	Standard Condition #3	If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and	No	Approved

Internal Comments				
No.	Queue	User	Date/Time	Reviewer Comments
8	Award Review	SYSTEM	12-15-2012 10:17 AM GMT	ACCEPTED
7	OLA Review	JOHNSON STEPHANIE	12-14-2012 02:39 PM GMT	DHS embargo until 12/14/12.
6	Final Review	LAWRENCE SUSAN	12-08-2012 01:41 PM GMT	Please perform review for this expedited PW.
5	Final Review	DUGGER CHARLES	12-01-2012 04:36 PM GMT	Please perform review for this expedited PW.
4	EHP Review	MYERS RICHARD	11-30-2012 11:50 PM GMT	PW 0004 review is expedited for removal of hazardous materials from NYU Medical center, including asbestos, fuel oil, irradiation equipment, lab specimens, etc. Additional Project Worksheets or amendments will be written for the Applicant's hazardous waste/asbestos removal and remediation costs upon submission of the required backup and supporting documentation. Documentation must include verification that all material was handled and disposed in compliance with applicable laws, regulations, Executive Orders, etc. Failure to comply may result in loss of FEMA funding. - rmyers1 - 11/30/2012 23:40:12 GMT
3	Final Review	DUGGER CHARLES	11-30-2012 06:23 PM GMT	Please perform review for this expedited PW.
2	Initial Review	CAMPBELL BERTA	11-29-2012 08:37 PM GMT	11/29/2012 This is an expedited project worksheet. A subsequent version will be written to reconcile cost associated with the identified operational period.
1	Initial Review	CAMPBELL BERTA	11-26-2012 08:39 PM GMT	This PW was entered in error. Needs deleted.

PW Ref No: **U670K03 (U7SWM03) – FIPS – 061-U670K-00**

Date: **11/27/2012**

Category: **B**

Applicant: **NYU Medical Center**

Work Completed: Date: **11/26/2012** %: **99**

Damaged Facility: **Hazardous Materials Clearing, Removal**

County: **New York**

Location: **550 First Avenue, New York, NY 10016**

Latitude: **40.911061 (40 44.6006)**

Longitude: **-73.833745 (-73 58.4448)**

DAMAGE DESCRIPTION

NYU Langone Medical Center ("Applicant") is a critical health care Private Non-Profit (PNP) entity that is composed of four hospitals: Tisch Hospital, a 705-bed acute care facility; the Hospital for Joint Diseases; Hassenfeld Pediatric Center, a pediatric hospital; and the Rusk Institute of Rehabilitation Medicine. As indicated on Attachment A, asbestos can be found on surfacing materials, thermal system insulation and miscellaneous materials used to finish and furnish the Center's facilities. As a result of Hurricane Sandy ("declared event"), storm surge flooded the lower levels (basement and sub-basement) of the facilities at the Super Block and saturated medical equipment, lab spaces containing research animals and specimens, office furnishings, and classrooms, and office spaces. The flooded area had asbestos-containing materials and also an irradiator containing radioactive material used for research at the Smilow Research Center. Additionally, the flooding dispersed leaked fuel oil and other contaminants throughout the lower levels of the Center.

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Costs incurred by the Applicant for evacuation of patients, dewatering/remediation of flooded areas, power restoration, temporary repairs and other emergency measures are addressed by expedited Project Worksheet U7SWM01. Expedited Project Worksheet U7SWM02 covers the Applicant's temporary relocation/facilities costs.

ATTACHMENT A

NYU Langone Medical Center
Asbestos Management Program
Suspect Asbestos Containing Materials

The following is a list of suspect asbestos containing materials that could be found on or within medical center facilities.

Surfacing Materials

Sprayed-on fireproofing	Finish plaster
Wall plaster (brown coat & finish coat)	Joint compound
Ceiling plaster (brown coat & finish coat)	

Thermal System Insulation

Pipe insulation	Boiler and tank insulation
Pipe fittings, flanges, and gaskets	Boiler rope
Air handler and duct insulation	Coverings over fiberglass insulation

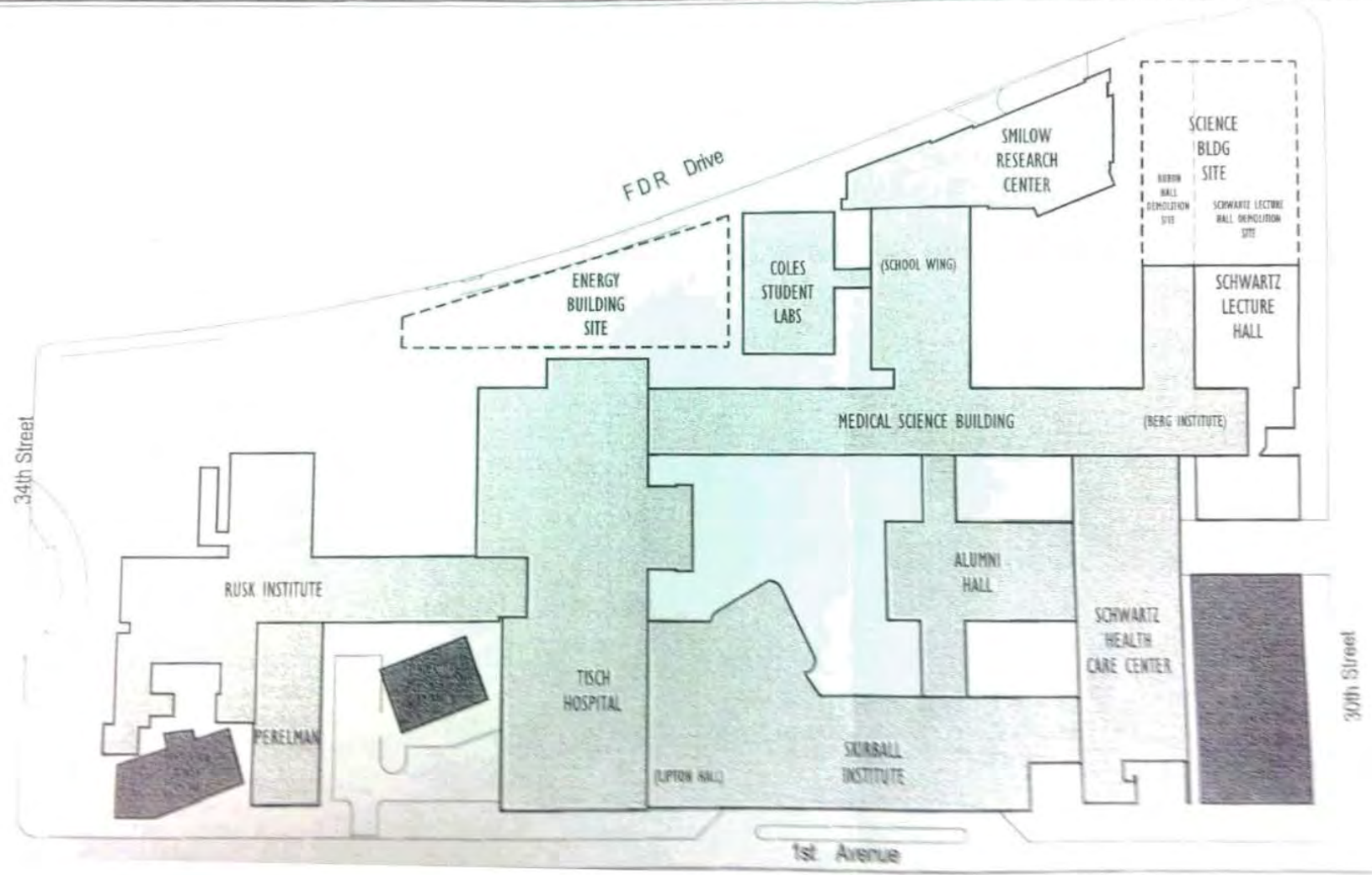
Miscellaneous Materials

Floor tile	Expansion joint
Linoleum and vinyl flooring	Duct caulk
Cove base molding	Exterior caulk or mastic
Floor leveling compound	Window caulk and chinking
Floor drain materials	Window glazing (i.e., putty)
Waterproofing within floor slab	Ceramic tile grout
Mastic/glue (e.g., used with floor tile, carpet, or ceiling tile)	Ceramic tile backing
Adhesives (e.g., used with wood panel or cove base)	Drywall
Ceiling tile	Elevator brake shoes
Sealants and caulks on equipment (e.g., air handlers and pumps)	Transite panels (e.g., in fume hoods)
Vibration cloth/damper	Transite piping (e.g., for water, sewage, or exhaust)
Roofing*	Lab benches
Roof flashing	Terrazzo
Pitch/tar	Vermiculite insulation
Tar paper	Gaskets
Shingles	Fire block/ fire stopping material
Waterproofing (membrane, tar, or mastic)	Fire blankets
Vapor barrier	Electrical wire insulation (typically with a braided exterior)
	Fire doors

*Some new roofing materials (e.g., materials readily purchased in hardware stores) contain asbestos.

Prepared by: Environmental Health and Safety
Revised: April 7, 2009

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EMERGENCY COSTS - PW NYULMC1							
Category	Location	Contractor	PW Type	TYPE	Cost Type	Description - Category 1	Amount
Consulting	Super Block	Comerstone	Emergency Protective	EOC/Project Mgmt	Contract	Project Management Services	\$1,000,000
Consulting	Super Block	LPE Management Services, LC	Emergency Protective	EOC/Project Mgmt	Contract	Project Management Services	\$1,000,000
Consulting	Super Block	NYU Staff	Emergency Protective	EOC/Project Mgmt	Force Account Labor	Internal Staff	\$10,000,000
							\$12,000,000
Hospital Operations Expenses	Super Block		Emergency Protective	Evacuation	Materials	Atmos Air Mattress Covers	\$70,000
Hospital Operations Expenses	Super Block		Emergency Protective	Evacuation	Force Account Labor	Patient Evacuation Expenses	\$500,000
Education Mission Expenses	Super Block		Emergency Protective	Evacuation	Materials	Relocation/Transportation of Residents	\$100,000
							\$670,000
Contractor	Emergency Department and Rubin Hall	Skanska	Emergency Protective	Clean Up	Contract	Manpower for prep, cleanup and recovery before, during and after the storm	\$2,000,000
Contractor	Rivergate	Maxons	Emergency Protective	Clean Up	Contract	Pump water out of both elevator pit and Radiology / CT suite, removed contaminated debris and flooring	\$400,000
Contractor	Super Block	Belfor	Emergency Protective	Clean Up	Contract	Pumping water/industrial drying/sanitizing/temporary ventilation/drywall remediation.	\$3,000,000
Contractor	Super Block	BR Fries	Emergency Protective	Clean Up	Contract	Manpower for prep, cleanup and recovery before, during and after the storm	\$500,000
Contractor	Super Block	Empire GC	Emergency Protective	Clean Up	Contract	Manpower for prep, cleanup and recovery before, during and after the storm	\$500,000
Contractor	Super Block	Interstate	Emergency Protective	Clean Up	Contract	Pumping water/industrial drying/sanitizing/temporary ventilation/drywall remediation.	\$3,000,000
Cleaning	660 First Avenue	Collins Building Services	Emergency Protective	Clean Up	Contract	Cleaning switchgear rooms	\$200,000
Cleaning	Super Block	Collins Building Services	Emergency Protective	Clean Up	Contract	Debris removal	\$1,800,000
Hospital Operations Expenses	Super Block		Emergency Protective	Clean Up	Materials	Emergency Food Service for Remediation Teams & Staff	\$700,000
Equipment	Super Block	Electric Motor Maintenance	Emergency Protective	Clean Up	Contract	Furnishing of temporary motors and pumps	\$500,000
							\$12,600,000
Architectural Engineering	Super Block	Ennead	Emergency Protective	Safety Inspections	Contract	Analysis of storm surge with respect to design of Kimmel, Energy + Science design	\$0
Architectural Engineering	Super Block	Hughes Associates	Emergency Protective	Safety Inspections	Contract	DOB required inspections - Egress Life Safety Inspections required for reoccupancy	\$500,000
Architectural Engineering	Super Block	JBB	Emergency Protective	Safety Inspections	Contract	Engineering and Design services, technical consulting/DOB required inspections	\$1,850,000
Architectural Engineering	Super Block	Langan Engineering	Emergency Protective	Safety Inspections	Contract	Emergency damage inspection of existing buildings	\$500,000
Architectural Engineering	Super Block	LERA (Leslie E. Robertson Associ	Emergency Protective	Safety Inspections	Contract	Emergency damage inspection of existing buildings	\$500,000
Architectural Engineering	Super Block	NBBJ	Emergency Protective	Safety Inspections	Contract	Analysis of storm surge with respect to design of Kimmel and Energy design	\$0
Architectural Engineering	Super Block	Sam Schwartz	Emergency Protective	Safety Inspections	Contract	DOT permitting required for Emergency Equipment	\$150,000
Architectural Engineering	Super Block	Severud	Emergency Protective	Safety Inspections	Contract	DOB required inspections - Structural Inspections required for reoccupancy	\$1,000,000
Architectural Engineering	Super Block	Sierra Consulting	Emergency Protective	Safety Inspections	Contract	Evaluation of elevators	\$250,000
Architectural Engineering	Super Block	Thermostat	Emergency Protective	Safety Inspections	Contract	Evaluation of electrical equipment and tear down/repair of switchgear	\$250,000
							\$5,000,000
Contractor	660 First Avenue	Benjamin Construction	Emergency Protective	Emergency Repairs	Contract	Roof repairs	\$250,000
Contractor	660 First Avenue	Caldwell & Walsh Building Constr.	Emergency Protective	Emergency Repairs	Contract	Temporary Reinforce door alignment (garage) & structural concrete refill	\$250,000
Contractor	660 First Avenue	East River Rigging	Emergency Protective	Emergency Repairs	Contract	Temporarily secure copper shingles	\$300,000
Contractor	Super Block	Johnson Control Inc	Emergency Protective	Emergency Repairs	Contract	Temporary, fire alarm repairs	\$1,000,000
Service	Rivergate	Nouveau Elevator	Emergency Protective	Emergency Repairs	Contract	Elevator Pit pumped out and parts replaced.	\$100,000
Service	Super Block	Nouveau Elevator	Emergency Protective	Emergency Repairs	Contract	Continuous elevator services, and repairs	\$500,000
Contractor	660 First Avenue	G-CNY Builders	Emergency Protective	Emergency Repairs	Contract	Replace Gelling Tiles and carpet	\$250,000
Supplier	Super Block	Grainger	Emergency Protective	Emergency Repairs	Materials	Various tools, equipment and materials	\$1,000,000
							\$3,650,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	IT Infrastructure Purchases	\$7,909,771
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	Tisch Remediation	\$7,000,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	HCC Remediation	\$25,000,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	Smilow Remediation	\$3,000,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	Equipment/Services for Remediation	\$10,000,000
							\$52,909,771
Contractor	660 First Avenue	JC Duggan Riggers	Emergency Protective	MEP	Contract	Moving temporary generator	\$250,000
Contractor	Super Block	Fred Geller Electric (FGEI)	Emergency Protective	MEP	Contract	Temporary electric repairs	\$500,000
Contractor	Super Block	Turner Construction	Emergency Protective	MEP	Contract	Preparation work/remediation and recovery/temporary MEP infrastructure/overall Management of recovery effort.	\$46,000,000
Equipment	Super Block	Heinrich Equipment	Emergency Protective	MEP	Contract	Repairs to Fuel Oil System	\$3,450,000
Equipment	Super Block	Eaton/GE/lincoln	Emergency Protective	MEP	Contract	Temporary Electrical Gear	\$200,000
Service	Super Block	ConEd	Emergency Protective	MEP	Contract	Engineering review of temporary high pressure steam and energizing temp electric gear	\$1,100,000
Service	Super Block	Verizon	Emergency Protective	MEP	Contract	Temporary service restoration	\$2,000,000
Equipment	Super Block	Powerhouse Equipment Rental	Emergency Protective	MEP	Contract	Temporary mobile boiler rental and steam operator	\$500,000
Equipment	Super Block	Scales Air Compressors	Emergency Protective	MEP	Contract	Temporary, Air Compressors and standby service	\$200,000
Contractor	Super Block	Exultant	Emergency Protective	MEP	Contract	Emergency equipment rentals	\$500,000
Equipment	660 First Avenue	HO Penn	Emergency Protective	MEP	Contract	Generator rental and standby service	\$1,500,000
Equipment	Super Block	HO Penn	Emergency Protective	MEP	Contract	Multiple Generator rentals and standby service	\$1,100,000
Service	Super Block	Emergency Service Fuel	Emergency Protective	MEP	Contract	Continuous fuel and service for emergency generators	\$1,100,000
							\$57,300,000
Other Emergency Expenses	Super Block		Emergency Protective	General	Materials	Emergency hotel accommodations for staff, emergency preparation equipment / services	\$243,520
Other Emergency Expenses	Super Block	NYU	Emergency Protective	General	Force Account Labor	Internal Labor - Overtime portion only (per FEMA Category B work)	\$7,515,283
Other Emergency Expenses	Super Block	NYU	Emergency Protective	General	Temporary Labor	Temporary Labor Costs	\$1,004,760
Equipment	Super Block	MetroComm	Emergency Protective	General	Equipment	Replacement Walkie-talkie radios	\$50,000
							\$8,813,563
Photography	Super Block	Multivista	Emergency Protective	Direct Admin Costs	Contract	Complete Photographic documentation - Ground floors, cellars and exteriors	\$500,000
							\$500,000
							\$153,443,334
						Less \$100,000 for resident transportation and \$500,000 direct admin costs	(\$600,000)
						TOTAL for PW	\$152,843,334

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LISTING OF EMERGENCY COSTS

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Category	Location	Contractor	PW Type	TYPE	Cost Type	Description - Category 1	Amount
Architectural Engineering	Super Block	Ennead	Emergency Protective	Safety Inspections	Contract	Analysis of storm surge with respect to design of Kimmel, Energy + Science design	\$0
Architectural Engineering	Super Block	Hughes Associates	Emergency Protective	Safety Inspections	Contract	DOB required inspections - Egress Life Safety Inspections required for reoccupancy	\$500,000
Architectural Engineering	Super Block	JBB	Emergency Protective	Safety Inspections	Contract	Engineering and Design services, technical consulting/DOB required inspections	\$1,850,000
Architectural Engineering	Super Block	Langan Engineering	Emergency Protective	Safety Inspections	Contract	Emergency damage inspection of existing buildings	\$500,000
Architectural Engineering	Super Block	LERA (Leslie E. Robertson Assoc)	Emergency Protective	Safety Inspections	Contract	Emergency damage inspection of existing buildings	\$500,000
Architectural Engineering	Super Block	NBSJ	Emergency Protective	Safety Inspections	Contract	Analysis of storm surge with respect to design of Kimmel and Energy design	\$0
Architectural Engineering	Super Block	Sam Schwartz	Emergency Protective	Safety Inspections	Contract	DOT permitting required for Emergency Equipment	\$150,000
Architectural Engineering	Super Block	Severud	Emergency Protective	Safety Inspections	Contract	DOB required inspections - Structural Inspections required for reoccupancy	\$1,000,000
Architectural Engineering	Super Block	Sierra Consulting	Emergency Protective	Safety Inspections	Contract	Evaluation of elevators	\$250,000
Architectural Engineering	Super Block	Thermotest	Emergency Protective	Safety Inspections	Contract	Evaluation of electrical equipment and tear down/repair of switchgear	\$250,000
Total - Architectural Engineering							\$5,000,000
Consulting	Super Block	Cornerstone	Emergency Protective	Project Mgmt	Contract	Project Management Services	\$1,000,000
Consulting	Super Block	LPE Management Services, LC	Emergency Protective	Project Mgmt	Contract	Project Management Services	\$1,000,000
Consulting	Super Block	NYU Staff	Emergency Protective	Project Mgmt	Force Account Labor	Internal Staff	\$10,000,000
Total - Consulting							\$12,000,000
Contractor	660 First Avenue	Benjamin Construction	Emergency Protective	Temporary Emergency Repairs	Contract	Roof repairs	\$250,000
Contractor	660 First Avenue	Caldwell & Walsh Building Constru	Emergency Protective	Temporary Emergency Repairs	Contract	Temporary Reinforce door alignment (garage) & structural concrete refill	\$250,000
Contractor	660 First Avenue	East River Rigging	Emergency Protective	Temporary Emergency Repairs	Contract	Temporarily secure copper shingles	\$300,000
Contractor	660 First Avenue	G-CNY Builders	Emergency Protective	Permanent Work	Contract	Replace Ceiling Tiles and carpet	\$250,000
Contractor	660 First Avenue	JC Duggan Riggers	Emergency Protective	MEP	Contract	Moving temporary generator	\$250,000
Contractor	660 First Avenue	Phoenix Medical	Relocation	MRI/CAT	Contract	Close up the active area & prepare for ultra sound use MRI restoration to get the MRI back online. Mobile imaging (connector link, canopy light and enclosure). Misc. request to power 2nd floor IT	\$1,000,000
Contractor	Emergency Department and Rubin Hall	Skanska	Emergency Protective	Clean Up	Contract	Manpower for prep, cleanup and recovery before, during and after the storm	\$2,000,000
Contractor	Rivergate	JA Jennings	Relocation	MRI/CAT	Contract	CT suite temporary construction/lobby remediation/radiology	\$600,000
Contractor	Rivergate	Maxons	Emergency Protective	Clean Up	Contract	Pump water out of both elevator pit and Radiology / CT suite, removed contaminated debris and flooring	\$400,000
Contractor	Super Block	Bellor	Emergency Protective	Clean Up	Contract	Pumping water/industrial drying/sanitizing/temporary ventilation/drywall	\$3,000,000
Contractor	Super Block	BR Fries	Emergency Protective	Clean Up	Contract	Manpower for prep, cleanup and recovery before, during and after the storm	\$500,000
Contractor	Super Block	Empire GC	Emergency Protective	Clean Up	Contract	Manpower for prep, cleanup and recovery before, during and after the storm	\$500,000
Contractor	Super Block	Evulfin	Emergency Protective	Equipment Rentals	Contract	Emergency equipment rentals	\$200,000
Contractor	Super Block	Fred Geller Electric (FGE)	Emergency Protective	MEP	Contract	Temporary electric repairs	\$500,000
Contractor	Super Block	Interstate	Emergency Protective	Clean Up	Contract	Pumping water/industrial drying/sanitizing/temporary ventilation/drywall	\$3,000,000
Contractor	Super Block	Johnson Control Inc	Emergency Protective	Temporary Emergency Repairs	Contract	Temporary fire alarm repairs	\$1,000,000
Contractor	Super Block	Turner Construction	Emergency Protective	MEP	Contract	Preparation work/remediation and recovery/temporary MEP infrastructure/overall Management of recovery effort	\$46,000,000
Total - Contractor							\$60,000,000
Environmental	MSB	PAL Environmental	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater	\$3,000,000
Environmental	Rubin/SLH	JVN	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater	\$1,000,000
Environmental	Rusk/Periman	PAR	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater	\$2,500,000
Environmental	Several Bldgs	EPM (Environmental Planning and	Emergency Haz Mat	Asbestos	Contract	Asbestos surveys/investigation/monitoring	\$500,000
Environmental	Smlow/Tisch/Severad	Veolia Environmental Services	Emergency Haz Mat	Fuel Oil	Contract	Remediation of fuel oil spill	\$1,500,000
Environmental	Super Block	Stercycle	Emergency Haz Mat	Trailer	Contract	Removal of trailer	\$500,000
Environmental	Tisch	CTSI (Consulting & Testing Service	Emergency Haz Mat	Asbestos	Contract	Asbestos surveys/investigation/monitoring	\$500,000
Environmental	Tisch	ETS	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater	\$3,000,000
Total - Environmental							\$12,000,000
Equipment	660 First Avenue	HO Penn	Emergency Protective	Equipment Rentals	Contract	Generator rental and standby service	\$500,000
Equipment	660 First Avenue	Integ Systems Corporation	Relocation	MRI/CAT	Contract	Replacement Transformers and Power Conditions for MRIs	\$500,000
Equipment	Rivergate	Siemens	Relocation	MRI/CAT	Contract	Replacement of (CT Flash Scanner)	\$2,000,000
Equipment	Super Block	Heinrich Equipment	Emergency Protective	MEP	Contract	Repairs to Fuel Oil System	\$500,000
Equipment	Super Block	HO Penn	Emergency Protective	Equipment Rentals	Contract	Multiple Generator rentals and standby service	\$1,500,000
Equipment	Super Block	MetroComm	Emergency Protective	MEP	Contract	Replacement Walkie-talkie radios	\$50,000
Equipment	Super Block	Eaton/GE/Lincoln	Emergency Protective	MEP	Contract	Temporary Electrical Gear	\$3,450,000
Equipment	Super Block	Electric Motor Maintenance	Emergency Protective	Equipment Rentals	Contract	Furnishing of temporary motors and pumps	\$500,000
Equipment	Super Block	Powerhouse Equipment Rental	Emergency Protective	Equipment Rentals	Contract	Temporary mobile boiler rental and steam operator	\$2,000,000
Equipment	Super Block	Scales Air Compressors	Emergency Protective	Equipment Rentals	Contract	Temporary Air Compressors and standby service	\$500,000
Total - Equipment							\$11,000,000
Cleaning	660 First Avenue	Collins Building Services	Emergency Protective	Clean Up	Contract	Cleaning switchgear rooms	\$200,000
Cleaning	Super Block	Collins Building Services	Emergency Protective	Clean Up	Contract	Debris removal	\$1,800,000
Total - Maintenance							\$2,000,000
Moving	660 First Avenue	Allegro	Relocation	Moving	Contract	Relocate computers from RUSK & Tisch	\$200,000
Moving	GBH	Allegro	Relocation	Moving	Contract	Miscellaneous Relocates	\$200,000
Moving	Misc on and off site	All Seasons	Relocation	Moving	Contract	Miscellaneous Moves throughout superblock and off campus sites	\$500,000

LISTING OF EMERGENCY COSTS

Category	Location	Contractor	PW Type	TYPE	Cost Type	Description - Category 1	Amount
Moving	Misc on and off site	Meehan Group	Relocation	Project Management	Contract	Management and coordination of all moves on Super block and off campus sites	\$100,000
Total - Moving							\$1,000,000
Photography	Super Block	Multivista	Emergency Protective	Inspections	Contract	Complete Photographic documentation - Ground floors, cellars and exteriors	\$500,000
Photography							\$500,000
Service	Rivergate	Nouveau Elevator	Emergency Protective	Temporary Repairs	Contract	Elevator Pit pumped out and parts replaced.	\$100,000
Service	Super Block	ConEd	Emergency Protective	MEP	Contract	Engineering review of temporary high pressure steam and energizing temp electric	\$200,000
Service	Super Block	Emergency Service Fuel	Emergency Protective	Equipment Rentals	Contract	Continuous fuel and service for emergency generators	\$1,100,000
Service	Super Block	Nouveau Elevator	Emergency Protective	Temporary Repairs	Contract	Continuous elevator services and repairs	\$500,000
Service	Super Block	Verizon	Emergency Protective	MEP	Contract	Temporary service restoration	\$1,100,000
Service							\$3,000,000
Supplier	Super Block	Grainger	Emergency Protective	Materials	Materials	Various tools, equipment and materials	\$1,000,000
Supplier							\$1,000,000
Temporary Space Rentals	Super Block		Relocation	Space	Contract	Temporary Space Needs - 1 Park Ave	\$1,844,000
Temporary Space Rentals	Super Block		Relocation	Warehouse	Contract	Warehouse space & moving expenses	\$450,000
Temporary Space Rentals	Super Block	East River Science Park	Relocation	Space	Contract	ERSP Vivarium Lease	\$978,792
Temporary Space Rentals	Super Block		Relocation	Space	Contract	Lab Space Rental	\$9,021,208
Temporary Space Rentals	Super Block	Apella	Relocation	Space	Contract	Rental of Classrooms for Medical Student teaching	\$1,000,000
Temporary Space Rentals	Super Block		Relocation	Space	Contract	Space rental for CME courses	\$100,000
Temporary Space Rentals	Super Block		Relocation	Space	Contract	Short term space needs for various - research, education, clinical	\$2,000,000
Total - Temporary Space Rentals							\$15,394,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	IT Infrastructure Purchases	\$7,909,771
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	Tisch Remediation	\$7,000,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	HCC Remediation	\$25,000,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	Smilow Remediation	\$3,000,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	Equipment/Services for Remediation	\$10,000,000
IT	Super Block	New Castle	Relocation	Data Center	Contract	Temporary mobile data centers	\$10,000,000
Total - IT Equipment							\$62,909,771
Hospital Operations Expenses	Super Block		Emergency Protective	Evacuation	Materials	Atmos Air Mattress Covers	\$70,000
Hospital Operations Expenses	Super Block	Kitchens To Go	Relocation	Kitchen	Contract	Kitchen Rental Expense	\$500,000
Hospital Operations Expenses	Super Block		Relocation	ER	ER	Emergency Room Equipment	\$1,021,660
Hospital Operations Expenses	Super Block		Emergency Protective	ER	ER	Emergency Food Service for Remediation Teams & Staff	\$700,000
Hospital Operations Expenses	Super Block		Relocation	ER	ER	Blood Bank Refrigerator Rental	\$250,000
Hospital Operations Expenses	Super Block		Relocation	Moving	Contract	Logistical Expenses (equipment, space, etc)	\$1,000,000
Hospital Operations Expenses	Super Block		Emergency Protective	Evacuation	Force Account Labor	Patient Evacuation Expenses	\$500,000
Total - Hospital Operation Expenses							\$4,041,660
Research Mission Expenses	Super Block		Emergency Haz Mat	Irradiator	Contract	Irradiator Disposal (underwater Smilow)	\$300,000
Research Mission Expenses	Super Block	Dry Ice Corp	Relocation	Medical Research	Materials	Dry Ice & Liquid Nitrogen, transportation, storage, travel for Research Preservation	\$600,000
Research Mission Expenses	Super Block		Relocation	Medical Research	Contract	Emergency Contracting (Freezer Storage, etc)	\$500,000
Total - Research Mission Expenses							\$1,400,000
Clinical Mission Expenses	Super Block		Relocation	Moving	Contract	Logistical Expenses for Relocation of FGP practices	\$150,000
Total - Clinical Mission Expenses							\$150,000
Education Mission Expenses	Super Block		Emergency Protective	Transportation	Materials	Relocation/Transportation of Residents	\$100,000
Total - Education Mission Expenses							\$100,000
Other Emergency Expenses	Super Block		Emergency Protective	General	Materials	Emergency hotel accommodations for staff, emergency preparation equipment / services	\$243,520
Other Emergency Expenses	Super Block	NYU	Emergency Protective	General	Force Account Labor	Internal Labor - Overtime portion only (per FEMA Category B work)	\$7,515,283
Other Emergency Expenses	Super Block	NYU	Emergency Protective	General	Temporary Labor	Temporary Labor Costs	\$1,004,760
Total - Other Emergency Expenses							\$8,763,563
Total - Emergency Expenses							\$200,258,994

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PW NYULMC2 - TEMPORARY FACILITIES

Category	Location	Contractor	PW Type	TYPE	Cost Type	Description - Category 1	Amount	
Contractor	660 First Avenue	Phoenix Medical	Relocation	MRI	Contract	Close up the active area & prepare for ultra sound use. MRI restoration to get the MRI back online. Mobile imaging (connector link, canopy light and enclosure). Misc. request to power 2nd floor IT	\$1,000,000	
Equipment	660 First Avenue	Integ Systems Corporation	Relocation	MRI	Contract	Replacement Transformers and Power Conditions for MRI's	\$500,000	
							\$1,500,000	\$1,500,000
Contractor	Rivergate	JA Jennings	Relocation	CAT	Contract	CT suite temporary construction/lobby remediation,radiology	\$600,000	
Equipment	Rivergate	Siemens	Relocation	CAT	Contract	Replacment of (CT Flash Scanner)	\$2,000,000	
							\$2,600,000	\$2,600,000
Hospital Operations Expenses	Super Block		Relocation	ER	ER	Emergency Room Equipment	\$1,021,660	
Hospital Operations Expenses	Super Block		Relocation	ER	ER	Blood Bank Refrigerator Rental	\$250,000	
							\$1,271,660	\$1,271,660
Temporary Space Rentals	Super Block	Apella	Relocation	Education Space	Contract	Rental of Classrooms for Medical Student teaching	\$1,000,000	
Temporary Space Rentals	Super Block		Relocation	Education Space	Contract	Space rental for CME courses	\$100,000	
							\$1,100,000	\$1,100,000
IT	Super Block	New Castle	Relocation	Data Center	Contract	Temporary mobile data centers	\$10,000,000	
							\$10,000,000	\$10,000,000
Hospital Operations Expenses	Super Block	Kitchens To Go	Relocation	Kitchen	Contract	Kitchen Rental Expense	\$500,000	
							\$500,000	\$500,000
Temporary Space Rentals	Super Block	East River Science Park	Relocation	Medical Research Space	Contract	ERSP Vivarium Lease	\$978,792	
Temporary Space Rentals	Super Block		Relocation	Medical Research Space	Contract	Lab Space Rental	\$9,021,208	
Research Mission Expenses	Super Block	Dry Ice Corp	Relocation	Medical Research	Materials	Dry Ice & Liquid Nitrogen, transportation, storage, travel for Research Preservation	\$600,000	
Research Mission Expenses	Super Block		Relocation	Medical Research	Contract	Emergency Contracting (Freezer Storage, etc)	\$500,000	
							\$11,100,000	\$11,100,000
Temporary Space Rentals	Super Block		Relocation	Space	Contract	Temporary Space Needs - 1 Park Ave	\$1,844,000	
Temporary Space Rentals	Super Block		Relocation	Space	Contract	Short term space needs for various - research, education, clinical	\$2,000,000	
							\$3,844,000	\$3,844,000
Moving	660 First Avenue	Allegro	Relocation	Moving - General	Contract	Relocate computers from RUSK & Tisch	\$200,000	
Moving	GBH	Allegro	Relocation	Moving - General	Contract	Miscellaneous Relocates	\$200,000	
Moving	Misc on and off site	All Seasons	Relocation	Moving - General	Contract	Miscellaneous Moves throughout superblock and off campus sites	\$500,000	
Temporary Space Rentals	Super Block		Relocation	Moving - General	Contract	Warehouse space & moving expenses	\$450,000	
Hospital Operations Expenses	Super Block		Relocation	Moving - General	Contract	Logistical Expenses (equipment, space, etc)	\$1,000,000	
Clinical Mission Expenses	Super Block		Relocation	Moving - General	Contract	Logistical Expenses for Relocation of FGP practices	\$150,000	
							\$2,500,000	\$2,500,000
Moving	Misc on and off site	Meehan Group	Relocation	Project Management	Contract	Management and coordination of all moves on Super block and off campus sites	\$100,000	
							\$100,000	\$100,000
							Total	\$34,515,660

PW NYULMC3 - HAZARDOUS WASTE/ASBESTOS REMOVAL AND REMEDIATION

Category	Location	Contractor	PW Type	TYPE	Cost Type	Description - Category 1
Environmental	MSB	PAL Environmental	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater
Environmental	Rubin/SLH	JVN	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater
Environmental	Rusk/Perlman	PAR	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater
Environmental	Super Block	Stericycle	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater
Environmental	Several Bldgs	EPM (Environmental Planning and Management)	Emergency Haz Mat	Asbestos	Contract	Asbestos surveys/investigation/monitoring
Environmental	Smilow/Tisch/Several	Veolia Environmental Services	Emergency Haz Mat	Asbestos	Contract	Asbestos surveys/investigation/monitoring
Environmental	Tisch	CTSI (Consulting & Testing Services Inc.)	Emergency Haz Mat	Fuel Oil	Contract	Remediation of fuel oil spill
Environmental	Tisch	ETS	Emergency Haz Mat	Irradiator	Contract	Irradiator Disposal (underwater Smilow)

Amount
\$3,000,000
\$1,000,000
\$2,500,000
\$3,000,000
\$9,500,000
\$500,000
\$500,000
\$1,000,000
\$1,500,000
\$1,500,000
\$300,000
\$300,000
\$12,300,000
\$152,843,334
\$34,515,660
\$199,658,994
600000
\$200,258,994

PA-02-NY-4085-PW-00006(0) P	
Applicant Name:	Application Title:
NYU MEDICAL CENTER	U670K01 - Emergency Protective Measures - Expedited
Period of Performance Start:	Period of Performance End:
10-30-2012	04-30-2013

Subgrant Application - Entire Application

Application Title: U670K01 - Emergency Protective Measures - Expedited

Application Number: PA-02-NY-4085-PW-00006(0)

Application Type: Subgrant Application (PW)

Preparer Information

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Project Description

Disaster Number: 4085
 Pre-Application Number: PA-02-NY-4085-RPA-0115
 Applicant ID: 061-U670K-00
 Applicant Name: NYU MEDICAL CENTER
 Subdivision:
 Project Number: U670K01
 Standard Project Number/Title: 299 - Emergency Protective Measures
 Please Indicate the Project Type: Neither Alternate nor Improved
 Application Title: U670K01 - Emergency Protective Measures - Expedited
 Category: B.PROTECTIVE MEASURES
 Percentage Work Completed? 99.0 %
 As of Date: 11-26-2012
 Comments

Attachments

Damage Facilities (Part 1 of 2)

Facility Number	Facility Name	Address	County	City	State	ZIP	Site Previously Damaged?	Action
1	Langone Medical Center Complex "Super Block"		New York	New York	NY		No	

Comments

Attachments

Facility Name: Langone Medical Center Complex "Super Block"
 Address 1:
 Address 2:
 County: New York
 City: New York
 State: NY
 ZIP:
 Was this site previously damaged? No
 PA-02-NY-4085-PW-00006(0):
 550 First Avenue, New York, NY 10016

Location:

PA-02-NY-4085-PW-00006(0):

NYU Langone Medical Center ("Applicant") is a critical health care Private Non-Profit (PNP) entity that is composed of four hospitals: Tisch Hospital, a 705-bed acute care facility; the Hospital for Joint Diseases; Hassenfeld Pediatric Center, a pediatric hospital; and the Rusk Institute of Rehabilitation Medicine. In addition, the Applicant operates the NYU School of Medicine.

Damage Description and Dimensions:

The majority of the Applicant's facilities is located in an area designated as the "Super Block" that consists of several adjoining and free-standing structures designed and used for medical treatment/hospitalization, biomedical research including labs, medical education, and ancillary functions (administration, kitchen, utilities) needed to operate the NYU Langone Medical Center. As a result of Hurricane Sandy ("declared event"), the Applicant's facilities lost power on October 30, 2012, necessitating the evacuation of over 250 patients to area hospitals and jeopardizing biomedical research conducted at the Center. Additionally, the storm surge pushed water from the nearby East River into the lower levels (basement and sub-basement) of the facilities at the Super Block and damaged, or rendered inoperable, components of the Center's electrical, power generation, HVAC, backup power and information technology/network infrastructure. In addition to the inundation of medical equipment, office furnishings, and class and office spaces, floodwaters also caused diesel fuel leakages and the dispersion of debris and contaminants throughout the flooded areas.

PA-02-NY-4085-PW-00006(0):

Work to be Completed - Beginning on October 27, 2012 and continuing, Applicant undertook emergency measures to reduce or eliminate immediate threats to life, public health and safety, and improved property. These measures included:

1. Activation of the Applicant's emergency operations center, coordinating the disaster response, and managing the clean-up and emergency restoration of critical services and facilities.
2. Evacuating more than 250 patients from the Langone Medical Center, including preparatory stabilizing, transporting, monitoring and tending to the evacuated patients. Patients were transported via both private (e.g., ProMed, AMR) and FDNY EMS assets.
3. Dewatering and clean-up of damaged facilities using pumps, flood-debris removal, cleaning of the switchgear room, mold remediation, drying out the flooded areas, sanitizing, and drywall remediation.
4. Conducting safety inspections throughout the facilities, including elevator, electricity, and fuel systems inspections, as well as inspections required by the NYC Department of Buildings to determine that facilities are safe for entry.

5. Performing emergency repairs, including those to the roofs of the facilities and fire alarms, temporary reinforcement of garage doors where storm surges had pushed through, repositioning of equipment from flooded areas, and securing copper shingles on the exterior of the building loosened by the storm. Applicant also purchased and installed IT/networking equipment to get its networks back up.

6. Restoration of power and other utilities to Langone Medical Center, such as installing a temporary mobile boiler, a steam operator, and air compressors, rental of generators, making operational the Center's fuel oil system and setup/energizing of temporary electric gear. Applicant also conducted an engineering analysis of steam and electrical systems to determine the work needed to restore power and steam.

7. Other emergency measures facilities-wide, including placement of sandbags and plastic tarps in targeted areas to prevent water from entering the facilities, security, and purchasing of replacement walkie-talkies that had been destroyed by the flooding to allow communication between emergency workers.

8. Applicant utilized a contractor to photograph damages to the facilities for damage assessment purposes.

Many of these measures are still ongoing as of the date of this Project Worksheet or are still in the preliminary stages.

Applicant submitted a summary spreadsheet identifying its emergency work activities to-date, the estimated costs for the activities, and the methods by which the activities were accomplished or will be accomplished. That spreadsheet has been included with this Project Worksheet as Attachment A.

A review of the supplemental information and supporting documentation provided by the Applicant resulted in the following notations:

1. Applicant submitted as part of its evacuation-related costs an estimated \$100,000 for the transportation of medical school residents to the new locations of patient evacuees so that they could continue to provide medical care for them. Based on the preliminary information provided by the Applicant, it appears that once the evacuee patients are safely transported and admitted to the new medical care facility, the immediate threats to life and public safety caused by the disaster are eliminated. As a result, they are not included in this Project Worksheet.

2. An estimated \$54 million of the Applicant's submitted costs are for permanent restorative work done on an emergency basis due to critical and immediate infrastructure needs (power restoration, information technology, communications, tools/equipment purchase). These costs have been included in this expedited PW. Upon the submission of supporting documentation for these costs and FEMA inspections/validation of the damages, Project Worksheets will be written for these and other permanent restorative costs under the appropriate permanent work categories (C-G) and Section 406 hazard mitigation opportunities will be identified for FEMA Public Assistance funding.

3. An estimated \$500,000 of the Applicant's costs are for photographic documentation of the damages observed during inspections of the facilities after the disaster. Such activities constitute direct grant administrative costs and will be allocated and documented on a project by project basis in the reconciliation Project Worksheets. These costs are not included in this Project Worksheet.

4. Applicant's descriptions of costs contained the term "standby". Applicant clarified that this term was used to describe mobilization, preparatory work, and coordination necessary for the proper sequencing of emergency clean-up, temporary repairs, and other emergency measures.

5. Applicant utilized time and materials contracts (with not to exceed stipulations) for the majority of the emergency work enumerated in its spreadsheet. Applicant has asserted that it is carefully monitoring the contracts and the contracts. Applicant's emergency procurement procedures, which it has invoked for this disaster, permit time and materials contracts.

6. Regular Project Worksheets will be written for the Applicant's emergency protective measures costs upon submission of the appropriate backup and supporting documentation. As appropriate, Versions (amendments) to this

Scope of Work:

expedited Project Worksheet may be issued to de-obligate the corresponding funds addressed in the new Project Worksheets.

7. Any insurance proceeds recoverable by the Applicant for its disaster-related costs that are funded by the FEMA Public Assistance program are required to be remitted back to the Federal government.

Based on the information and supporting documentation provided by the Applicant, this Project Worksheets allocates \$152,843,334 on an expedited basis for the Applicant's emergency measures costs incurred from October 27, 2012 and ongoing. These costs will be validated and reconciled in accordance with the regulations governing the FEMA Public Assistance Program. Project Worksheets be issued to document the reconciliations and obligate/de-obligate funds as appropriate.

Applicant also undertook emergency measures that included the preservation and relocation of medical research items, setting up temporary facilities for MRI, CAT scan and radiology procedures, relocating computers into new spaces, and obtaining temporary facilities for administration, lab research, outpatient treatment, storage, IT/networks, kitchens, an emergency room, and blood banks. Project Worksheet NYULMC2 addresses the Applicant's relocation/temporary facilities costs. Project Worksheet NYULMC3 addresses the Applicant's hazardous/contaminated debris removal and clean-up.

Project Notes:

RECORD RETENTION: Complete records and cost documents for all approved work must be maintained for at least 3 years from the date the last project was completed or from the date final payment was received, whichever is later. Applicant is responsible for retention of all documentation associated with this project.

SUPPORTING DOCUMENTATION: 20% or more of the documentation to support this project has been reviewed and verified by the Applicant and Project Specialist for eligibility and correctness.

PROCUREMENT: The applicant is required to adhere to State Government Procurement rules and regulations and maintain adequate records to support the basis for all purchasing of goods and materials and contracting services for projects approved under the Public Assistance program, as stated in 44 CFR 13.36. The applicant has advised they have/will follow their normal procurement procedures.

PERMITS: The PA Project Specialist has advised the Applicant that it is their responsibility to obtain all applicable local, state and federal permits prior to any construction or debris disposal activity referenced on this project. Applicant has also been advised that the lack of obtaining and maintaining these documents may jeopardize funding.

INSURANCE: The applicant is aware that all projects are subject to an insurance review as stated in 44 C.F.R. Sections 206.252 and 206.253. If applicable an insurance determination will be made either as anticipated proceeds or actual proceeds in accordance with the applicant's insurance policy that may affect the total amount of the project.

11/26/2012The subgrantee is not requesting Direct Administrative Costs (DAC) that are directly chargeable to this specific project. Associated eligible work is related administration of the PA project only and in accordance with 44 CFR 13.22. These costs are treated consistently and uniformly as direct costs in all federal awards and other subgrantee activities and are not included in any approved indirect cost rates.

GIS Coordinates

Project Location

Latitude

Longitude

550 First Avenue, New York, NY 10016

40.911061

-73.833745

PNP Questions

Name of damaged facility: NYU Medical Center
 Critical facility: Entire Facility is Critical
 Facility Street Address: 550 First Ave
 City: New York
 State: NY
 ZIP: 10016
 Was the facility in use during disaster? Yes
 Was the facility damaged due to disaster? Yes
 Are repairs the legal responsibility of the PNP? Yes
 Please explain the primary purpose of damaged facility: Medical Center
 Please explain the type of assistance requested? Financial Assistance
 Who may use the facility? General Public
 Contact First Name: James
 Contact Middle Initial:
 Contact Last Name: Martin
 Contact Phone: (b)(6)
 Is there a fee charged for use of the facility: No
 If Yes, what is the cost?
 Do you own the facility? Yes
 If Yes, do you have proof of ownership attached? Yes
 Do you lease the facility? No
 If Yes, do you have the lease agreement attached?
 Do you rent the facility? No
 If Yes, do you have the rental agreement attached?
 Is the facility insured? Yes
 If Yes, is the insurance policy attached? No

Comments

Attachments

Special Considerations

1. Does the damaged facility or item of work have insurance coverage and/or is it an insurable risk (e.g., buildings, equipment, vehicles, etc)? No
2. Is the damaged facility located within a floodplain or coastal high hazard area and/or does it have an impact on a floodplain or wetland? No
3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area? No
4. Will the proposed facility repairs/reconstruction change the pre-disaster conditions (e.g., footprint,

- material, location, capacity, use of function)? No
- 5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard mitigation proposal? No
- 6. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site? No
- 7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland? No
- 8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work? No
- 9. Are there any other environmental or controversial issues associated with the damaged facility and/or item of work? No

If you would like to make any comments, please enter them below.

(maximum 4000 characters)

Any change to the approved scope of work will require re-evaluation by the Environmental/Historic Preservation section for compliance with environmental and historic preservation considerations under the National Environmental Policy Act. Noncompliance with this requirement may jeopardize the receipt of federal funding.

Attachments

User	Date	Document Type	Description	Hard Copy	File Reference	File Name	Action
BERTA CAMPBELL	12-01- 2012	PW Correspondence				U670K01 - NYU Medical Center - EHP Comment.pdf (180.77 kb)	View

Mitigation section is not applicable for your project category.

Cost Estimate

Is this Project Worksheet for

(Preferred) Repair

Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Cost Estimate	Action
1	0000	Work Completed						
2	9999	EOC Activation & Management	1	LS	12,000,000.00	OTHER	\$ 12,000,000.00	
3	9999	Patient Evacuation	1	LS	\$ 570,000.00	OTHER	\$ 570,000.00	
4	9999	Dewatering/Remediation/Debris Removal	1	LS	12,600,000.00	OTHER	\$ 12,600,000.00	
5	9999	Safety Inspections	1	LS	5,000,000.00	OTHER	\$ 5,000,000.00	
6	9999	Emergency Repairs	1	LS	3,650,000.00	OTHER	\$ 3,650,000.00	
7	9999	Emergency IT Restoration	1	LS	52,909,771.00	OTHER	\$ 52,909,771.00	
8	9999	Emergency Mechanical/Electrical Restoration	1	LS	57,300,000.00	OTHER	\$ 57,300,000.00	
9	9999	Other Protective Measures, Facility Wide	1	LS	7,285,129.66	OTHER	\$ 7,285,129.66	
10	0000	Work to be Completed						
11	9999	Other Protective Measures, Facility Wide	1	LS	1,528,433.34	OTHER	\$ 1,528,433.34	
12	9903	No Direct Administrative Costs	0	LS	\$ 0.00	OTHER	\$ 0.00	
Total Cost:							\$ 152,843,334.00	

Insurance Adjustments (Deductibles, Proceeds and Settlements)

Sequence Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Cost Estimate	Action
Total Cost: \$ 0.00							

Total Cost Estimate: \$ 152,843,334.00
 (Preferred Estimate Type + Insurance Adjustments) Awarded cost line items: \$ 152,843,334.00
 Remaining cost line items: \$ 0.00

Comments

Attachments

Existing Insurance Information

Insurance Type	Policy No.	Bldg/Property Amount	Content Amount	Insurance Amount	Deductible Amount	Years Required
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Comments

Attachments

Comments and Attachments

Name of Section	Comment	Attachment
Special Considerations	***** Review is expedited for Emergency Protective measures at NYU Medical Center, including dewatering and clean-up of damaged facilities using pumps, flood-debris removal, cleaning of the switchgear room, mold remediation, drying out the flooded areas, sanitizing, and drywall remediation. Additional Project Worksheets or amendments will be written for completed and ongoing actions upon submission of the required backup and supporting documentation. Documentation must include verification that all material was handled and disposed in compliance with applicable laws, regulations, Executive Orders, etc. Failure to comply may result in loss of FEMA funding. *****	U670K01 - NYU Medical Center - EHP Comment.pdf 061-U670K-00 - NYU Medical Center - PW.pdf 061-U670K-00 - NYU Medical Center - Spreadsheets.pdf

Form 90-91

Bundle Reference # (Amendment #)	Date Awarded
PA-02-NY-4085-State-0003(2)	12-06-2012

Subgrant Application - FEMA Form 90-91

Note: The Effective Cost Share for this application is 75%

FEDERAL EMERGENCY MANAGEMENT AGENCY PROJECT WORKSHEET						
DISASTER		PROJECT NO.	PA ID NO.	DATE	CATEGORY	
FEMA	4085 - DR - NY	U670K01	061-U670K-00	11-26-2012	B	
APPLICANT: NYU MEDICAL CENTER				WORK COMPLETE AS OF:		

11-26-2012 : 99 %		
Site 1 of 1		
DAMAGED FACILITY: Langone Medical Center Complex "Super Block"		COUNTY: New York
LOCATION: PA-02-NY-4085-PW-00006(0): 550 First Avenue, New York, NY 10016	LATITUDE: 40.911061,	LONGITUDE: -73.833745
DAMAGE DESCRIPTION AND DIMENSIONS: PA-02-NY-4085-PW-00006(0): NYU Langone Medical Center ("Applicant") is a critical health care Private Non-Profit (PNP) entity that is composed of four hospitals: Tisch Hospital, a 705-bed acute care facility; the Hospital for Joint Diseases; Hassenfeld Pediatric Center, a pediatric hospital; and the Rusk Institute of Rehabilitation Medicine. In addition, the Applicant operates the NYU School of Medicine. The majority of the Applicant's facilities is located in an area designated as the "Super Block" that consists of several adjoining and free-standing structures designed and used for medical treatment/hospitalization, biomedical research including labs, medical education, and ancillary functions (administration, kitchen, utilities) needed to operate the NYU Langone Medical Center. As a result of Hurricane Sandy ("declared event"), the Applicant's facilities lost power on October 30, 2012, necessitating the evacuation of over 250 patients to area hospitals and jeopardizing biomedical research conducted at the Center. Additionally, the storm surge pushed water from the nearby East River into the lower levels (basement and sub-basement) of the facilities at the Super Block and damaged, or rendered inoperable, components of the Center's electrical, power generation, HVAC, backup power and information technology/network infrastructure. In addition to the inundation of medical equipment, office furnishings, and class and office spaces, floodwaters also caused diesel fuel leakages and the dispersion of debris and contaminants throughout the flooded areas.		
SCOPE OF WORK: PA-02-NY-4085-PW-00006(0): Work to be Completed - Beginning on October 27, 2012 and continuing, Applicant undertook emergency measures to reduce or eliminate immediate threats to life, public health and safety, and improved property. These measures included: 1. Activation of the Applicant's emergency operations center, coordinating the disaster response, and managing the clean-up and emergency restoration of critical services and facilities. 2. Evacuating more than 250 patients from the Langone Medical Center, including preparatory stabilizing, transporting, monitoring and tending to the evacuated patients. Patients were transported via both private (e.g., ProMed, AMR) and FDNY EMS assets. 3. Dewatering and clean-up of damaged facilities using pumps, flood-debris removal, cleaning of the switchgear room, mold remediation, drying out the flooded areas, sanitizing, and drywall remediation. 4. Conducting safety inspections throughout the facilities, including elevator, electricity, and fuel systems inspections, as well as inspections required by the NYC Department of Buildings to determine that facilities are safe for entry. 5. Performing emergency repairs, including those to the roofs of the facilities and fire alarms, temporary reinforcement of garage doors where storm surges had pushed through, repositioning of equipment from flooded areas, and securing copper shingles on the exterior of the building loosened by the storm. Applicant also purchased and installed IT/networking equipment to get its networks back up. 6. Restoration of power and other utilities to Langone Medical Center, such as installing a temporary mobile boiler, a steam operator, and air compressors, rental of generators, making operational the Center's fuel oil system and setup/energizing of temporary electric gear. Applicant also conducted an engineering analysis of steam and electrical systems to determine the work needed to restore power and steam. 7. Other emergency measures facilities-wide, including placement of sandbags and plastic tarps in targeted areas to prevent water from entering the facilities, security, and purchasing of replacement walkie-talkies that had been destroyed by the flooding to allow communication between emergency workers. 8. Applicant utilized a contractor to photograph damages to the facilities for damage assessment purposes. Many of these measures are still ongoing as of the date of this Project Worksheet or are still in the preliminary stages. Applicant submitted a summary spreadsheet identifying its emergency work activities to-date, the estimated costs for the activities, and the methods by which the activities were accomplished or will be accomplished. That spreadsheet has been included with this Project Worksheet as Attachment A. A review of the supplemental information and supporting documentation provided by the Applicant resulted in the following notations: 1. Applicant submitted as part of its evacuation-related costs an estimated \$100,000 for the transportation of medical school residents to the new locations of patient evacuees so that they could continue to provide medical care for them. Based on the preliminary information provided by the Applicant, it appears that once the evacuee patients are safely transported and admitted to the new medical care facility, the immediate threats to life and public safety caused by the disaster are eliminated. As a result, they are not included in this Project Worksheet. 2. An estimated \$54 million of the Applicant's submitted costs are for permanent restorative work done on an emergency basis due to critical and immediate infrastructure needs (power restoration, information technology, communications, tools/equipment purchase). These costs have been included in this expedited PW. Upon the submission of supporting documentation for these costs and FEMA inspections/validation of the damages, Project Worksheets will be written for these and other permanent restorative costs under the appropriate permanent work categories (C-G) and Section 406 hazard mitigation opportunities will be identified for FEMA Public Assistance funding. 3. An estimated \$500,000 of the Applicant's costs are for photographic documentation of the damages observed during inspections of the facilities after the disaster. Such activities constitute direct grant administrative costs and will be allocated and documented on a project by project basis in the reconciliation Project Worksheets. These costs are not included in this Project Worksheet. 4. Applicant's descriptions of costs contained the term "standby". Applicant clarified that this term was used to describe mobilization, preparatory work, and coordination necessary for the proper sequencing of emergency clean-up, temporary repairs, and other emergency measures. 5. Applicant utilized time and materials contracts (with not to exceed stipulations) for the majority of the emergency work enumerated in its spreadsheet. Applicant has asserted that it is carefully monitoring the contracts and the contracts. Applicant's emergency procurement procedures, which it has invoked for this disaster, permit time and materials contracts. 6. Regular Project Worksheets will be written for the Applicant's emergency protective measures costs upon submission of the appropriate backup and supporting documentation. As appropriate, Versions (amendments) to this expedited Project Worksheet may be issued to de-obligate the corresponding funds addressed in the new Project Worksheets. 7. 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regulations governing the FEMA Public Assistance Program. Project Worksheets be issued to document the reconciliations and obligate/de-obligate funds as appropriate. Applicant also undertook emergency measures that included the preservation and relocation of medical research items, setting up temporary facilities for MRI, CAT scan and radiology procedures, relocating computers into new spaces, and obtaining temporary facilities for administration, lab research, outpatient treatment, storage, IT/networks, kitchens, an emergency room, and blood banks. Project Worksheet NYULMC2 addresses the Applicant's relocation/temporary facilities costs. Project Worksheet NYULMC3 addresses the Applicant's hazardous/contaminated debris removal and clean-up. Project Notes: RECORD RETENTION: Complete records and cost documents for all approved work must be maintained for at least 3 years from the date the last project was completed or from the date final payment was received, whichever is later. Applicant is responsible for retention of all documentation associated with this project. SUPPORTING DOCUMENTATION: 20% or more of the documentation to support this project has been reviewed and verified by the Applicant and Project Specialist for eligibility and correctness. PROCUREMENT: The applicant is required to adhere to State Government Procurement rules and regulations and maintain adequate records to support the basis for all purchasing of goods and materials and contracting services for projects approved under the Public Assistance program, as stated in 44 CFR 13.36. The applicant has advised they have/will follow their normal procurement procedures. PERMITS: The PA Project Specialist has advised the Applicant that it is their responsibility to obtain all applicable local, state and federal permits prior to any construction or debris disposal activity referenced on this project. Applicant has also been advised that the lack of obtaining and maintaining these documents may jeopardize funding. INSURANCE: The applicant is aware that all projects are subject to an insurance review as stated in 44 C.F.R. Sections 206.252 and 206.253. If applicable an insurance determination will be made either as anticipated proceeds or actual proceeds in accordance with the applicant's insurance policy that may affect the total amount of the project. 11/26/2012 The subgrantee is not requesting Direct Administrative Costs (DAC) that are directly chargeable to this specific project. Associated eligible work is related administration of the PA project only and in accordance with 44 CFR 13.22. These costs are treated consistently and uniformly as direct costs in all federal awards and other subgrantee activities and are not included in any approved indirect cost rates.

Does the Scope of Work change the pre-disaster conditions at the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Special Considerations included? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Hazard Mitigation proposal included? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is there insurance coverage on this facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST
1	0000	Work Completed	0/LS	\$ 0.00	\$ 0.00
2	9999	EOC Activation & Management	1/LS	12,000,000.00	\$ 12,000,000.00
3	9999	Patient Evacuation	1/LS	\$ 570,000.00	\$ 570,000.00
4	9999	Dewatering/Remediation/Debris Removal	1/LS	12,600,000.00	\$ 12,600,000.00
5	9999	Safety Inspections	1/LS	\$ 5,000,000.00	\$ 5,000,000.00
6	9999	Emergency Repairs	1/LS	\$ 3,650,000.00	\$ 3,650,000.00
7	9999	Emergency IT Restoration	1/LS	52,909,771.00	\$ 52,909,771.00
8	9999	Emergency Mechanical/Electrical Restoration	1/LS	57,300,000.00	\$ 57,300,000.00
9	9999	Other Protective Measures, Facility Wide	1/LS	\$ 7,285,129.66	\$ 7,285,129.66
10	0000	Work to be Completed	0/LS	\$ 0.00	\$ 0.00
11	9999	Other Protective Measures, Facility Wide	1/LS	\$ 1,528,433.34	\$ 1,528,433.34
12	9903	No Direct Administrative Costs	0/LS	\$ 0.00	\$ 0.00
				TOTAL COST	\$ 152,843,334.00
PREPARED BY Domonic Nguyen	TITLE FEMA Project Specialist			SIGNATURE	
APPLICANT REP. Richard Bing	TITLE Vice President, New York University			SIGNATURE	

NYU MEDICAL CENTER : PA-02-NY-4085-PW-00006					
Conditions Information					
Review Name	Condition Type	Condition Name	Description	Monitored	Status
No Conditions					

Internal Comments				
No.	Queue	User	Date/Time	Reviewer Comments
6	Award Review	SYSTEM	12-06-2012 07:02 PM GMT	ACCEPTED
5	OLA Review	JOHNSON STEPHANIE	12-06-2012 11:35 AM GMT	DHS embargo until 12/6/12.
4	OLA Review	JOHNSON STEPHANIE	11-28-2012 08:53 PM GMT	Expedited LPN.
3	OLA Review	JOHNSON STEPHANIE	11-28-2012 08:53 PM GMT	Expedited LPN.
2	OLA Review	JOHNSON STEPHANIE	11-28-2012 08:53 PM GMT	Expedited LPN.
1	Initial Review	BUSH THOMAS	11-28-2012 08:00 PM GMT	This is an expedited project worksheet and will be reconciled based on actual costs in a subsequent version.

PW Ref No: **U67001 (NYULMC1) FIPS – 061-U670K-00**

Date: **11/26/2012**

Category: **B – Emergency Protective Measures - Expedited**

Applicant: **NYU Medical Center**

Work Completed: Date: **11/26/2012** %: **0**

Damaged Facility: **Langone Medical Center Complex “Super Block”**

County: **New York**

Location: **550 First Avenue, New York, NY 10016**

Latitude: 40.911061 (**40 44.6006**)

Longitude: -73.833745 (**-73 58.4448**)

DAMAGE DESCRIPTION & DIMENSIONS

NYU Langone Medical Center (“Applicant”) is a critical health care Private Non-Profit (PNP) entity that is composed of four hospitals: Tisch Hospital, a 705-bed acute care facility; the Hospital for Joint Diseases; Hassenfeld Pediatric Center, a pediatric hospital; and the Rusk Institute of Rehabilitation Medicine. In addition, the Applicant operates the NYU School of Medicine. The majority of the Applicant’s facilities is located in an area designated as the “Super Block” that consists of several adjoining and free-standing structures designed and used for medical treatment/hospitalization, biomedical research including labs, medical education, and ancillary functions (administration, kitchen, utilities) needed to operate the NYU Langone Medical Center. As a result of Hurricane Sandy (“declared event”), the Applicant’s facilities lost power on October 30, 2012, necessitating the evacuation of over 250 patients to area hospitals and jeopardizing biomedical research conducted at the Center. Additionally, the storm surge pushed water from the nearby East River into the lower levels (basement and sub-basement) of the facilities at the Super Block and damaged, or rendered inoperable, components of the Center’s electrical, power generation, HVAC, backup power and information technology/network infrastructure. In addition to the inundation of medical equipment, office furnishings, and class and office spaces, floodwaters also caused diesel fuel leakages and the dispersion of debris and contaminants throughout the flooded areas.

SCOPE OF WORK

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1. Applicant submitted as part of its evacuation-related costs an estimated \$100,000 for the transportation of medical school residents to the new locations of patient evacuees so that they could continue to provide medical care for them. Based on the preliminary information provided by the Applicant, it appears that once the evacuee patients are safely transported and admitted to the new medical care

facility, the immediate threats to life and public safety caused by the disaster are eliminated. As a result, they are not included in this Project Worksheet.

2. An estimated \$54 million of the Applicant' submitted costs are for permanent restorative work done on an emergency basis due to critical and immediate infrastructure needs (power restoration, information technology, communications, tools/equipment purchase). These costs have been included in this expedited PW. Upon the submission of supporting documentation for these costs and FEMA inspections/validation of the damages, Project Worksheets will be written for these and other permanent restorative costs under the appropriate permanent work categories (C-G) and Section 406 hazard mitigation opportunities will be identified for FEMA Public Assistance funding.
3. An estimated \$500,000 of the Applicant's costs are for photographic documentation of the damages observed during inspections of the facilities after the disaster. Such activities constitute direct grant administrative costs and will be allocated and documented on a project by project basis in the reconciliation Project Worksheets. These costs are not included in this Project Worksheet
4. Applicant's descriptions of costs contained the term "standby". Applicant clarified that this terms was used to describe mobilization, preparatory work, and coordination necessary for the proper sequencing of emergency clean-up, temporary repairs, and other emergency measures.
5. Applicant utilized time and materials contracts (with not to exceed stipulations) for the majority of the emergency work enumerated in its spreadsheet. Applicant has asserted that it is carefully monitoring the contracts and the contracts. Applicant's emergency procurement procedures, which it has invoked for this disaster, permit time and materials contracts.
6. Regular Project Worksheets will be written for the Applicant's emergency protective measures costs upon submission of the appropriate backup and supporting documentation. As appropriate, Versions (amendments) to this expedited Project Worksheet may be issued to de-obligate the corresponding funds addressed in the new Project Worksheets.
7. Any insurance proceeds recoverable by the Applicant for its disaster-related costs that are funded by the FEMA Public Assistance program are required to be remitted back to the Federal government.

Based on the information and supporting documentation provided by the Applicant, this Project Worksheets allocates \$152,843,334 on an expedited basis for the Applicant's emergency measures costs incurred from October 27, 2012 and ongoing. These costs will be validated and reconciled in accordance with the regulations governing the FEMA Public Assistance Program. Project Worksheets be issued to document the reconciliations and obligate/de-obligate funds as appropriate.

Applicant also undertook emergency measures that included the preservation and relocation of medical research items, setting up temporary facilities for MRI, CAT scan and radiology procedures, relocating computers into new spaces, and obtaining temporary facilities for administration, lab research, outpatient treatment, storage, IT/networks, kitchens, an emergency room, and blood banks. Project Worksheet NYULMC2 addresses the Applicant's relocation/temporary facilities costs. Project Worksheet NYULMC3 addresses the Applicant's hazardous/contaminated debris removal and clean-up.

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY	UNIT	UNIT PRICE	COST
1		EOC Activation & Management	1.00	LS	\$12,000,000	\$12,000,000
2		Patient Evacuation	1.00	LS	\$570,000	\$570,000
3		Dewatering/Remediation/Debris Removal	1.00	LS	\$12,600,000	\$12,600,000
4		Safety Inspections	1.00	LS	\$5,000,000	\$5,000,000
5		Emergency Repairs	1.00	LS	\$3,650,000	\$3,650,000
6		Emergency IT Restoration	1.00	LS	\$52,909,771	\$52,909,771
6		Emergency Mechanical/Electrical Restoration	1.00	LS	\$57,300,000	\$57,300,000
7		Other protective measures , facility wide	1.00	LS	\$8,813,563	\$8,813,563
<i>SUBTOTAL FROM COST CONTINUATION PAGE(S)</i>						
TOTAL PROJECT COST						\$152,843,334

PW Ref No: **U7SWM02 – FIPS – 061-U670K-00**
Date: **11/27/2012**
Category: **B – Emergency Protective Measures**
Applicant: **NYU Medical Center**
Work Completed: Date: **11/26/2012** %:**99**
Damaged Facility: **Emergency Measures – Temporary Relocation**
County: **New York**
Location: **550 First Avenue, New York, NY 10016**
Latitude: 40.911061 (**40 44.6006**)
Longitude: -73.833745 (**-73 58.4448**)

DAMAGE DESCRIPTION

NYU Langone Medical Center ("Applicant") is a critical health care Private Non-Profit (PNP) entity that is composed of four hospitals: Tisch Hospital, a 705-bed acute care facility; the Hospital for Joint Diseases; Hassenfeld Pediatric Center, a pediatric hospital; and the Rusk Institute of Rehabilitation Medicine. In addition, the Applicant operates the NYU School of Medicine. The majority of the Applicant's facilities are located in an area designated as the "Super Block" that consists of several adjoining and free-standing structures designed and used for medical treatment/hospitalization, biomedical research including labs, medical education, and ancillary functions (administration, kitchen, utilities) needed to operate the NYU Langone Medical Center. As a result of Hurricane Sandy ("declared event"), the Applicant's facilities lost power on October 30, 2012, necessitating the evacuation of over 250 patients to area hospitals and jeopardizing biomedical research conducted at the Center. Additionally, the storm surge pushed water from the nearby East River into the lower levels (basement and sub-basement) of the facilities at the Super Block and damaged, or rendered inoperable, components of the Center's electrical, power generation, HVAC, backup power and information technology/network infrastructure. Floodwaters also destroyed or rendered unusable medical equipment, lab spaces containing research animals and specimens, office furnishings, and classrooms, and office spaces.

SCOPE OF WORK

Due to the extensive disaster-related damages to the critical infrastructure of the facilities of the Super Block, Applicant's healthcare services, medical school education, and research functions have been or will be relocated to temporary usable locations within the Super Block and also to off-site facilities. These relocation/temporary activities, which began on October 30, 2012 and are continuing, consisted of:

1. Establishing temporary MRI diagnostic service area, including prepping new area for the MRI, modifying electrical system for MRI power requirements, and rental/setup of mobile MRI imaging scanner.
2. Set up of temporary CAT scan/radiology diagnostic service area, including prepping new area for the CAT scanner, and replacement/setup of CAT scanner that was destroyed when the Center flooded.
3. Establishing a temporary emergency room, including rental of a blood bank and outfitting the temporary ER with necessary equipment and supplies to provide urgent medical care.
4. Rental of kitchen to prepare meals in accordance with patients' medically required dietary requirements.
5. Rental of temporary mobile data centers to provide information technology and network connections to bring medical systems back online, allow electronic communications, and resume medical research.
6. Obtaining leases for temporary classrooms to resume education of medical students and continuing medical education (CME) classes for health care professionals.
7. Relocating medical research to leased spaces, including new lab facilities at the East River Science Park (ERSP) and other available lab spaces. Applicant also used dry ice and liquid nitrogen to preserve perishable research during transport to new locations. Some of the research was placed into freezer storage.
8. Moving and relocating various administrative, research, educational and clinical functions to usable spaces within the complex and to leased off-site locations (e.g., 1 Park Avenue). To make new spaces operational, Applicant relocated computers, setup new IT configurations, temporarily warehoused various contents that were displaced by the disaster, and utilized professional movers to pack and transport items to temporary facilities/sites.
9. Evaluating spacing needs, identifying relocation/moving options, and coordinating all relocation activities. Applicant is using contract labor to accomplish these project management tasks.

Applicant submitted a summary spreadsheet identifying its temporary relocation/facilities activities to-date, the estimated costs for these activities, and the methods by which the activities were accomplished or will be accomplished. That spreadsheet has been included with this Project Worksheet as Attachment A. A review of the supplemental information and supporting documentation provided by the Applicant for its disaster-related temporary relocation/facilities costs resulted in the following notations:

1. As part of its attempt to resume providing essential medical care, Applicant plans to replace its disaster-damaged CAT scanner. This estimated cost is for

permanent restorative work done on an emergency basis. Upon the submission of supporting documentation for this cost and FEMA inspections/validation of the damage, Project Worksheets will be written for this and other permanent restorative costs under the appropriate permanent work categories (C-G) and Section 406 hazard mitigation opportunities will be identified for FEMA Public Assistance funding.

2. Applicant chose to lease, rather than purchase, the temporary facilities to continue provision of its essential health care services.
3. Applicant utilized time and materials contracts (with not to exceed stipulations) for the majority of the temporary relocation/facilities activities. Applicant has asserted that it is carefully monitoring the contracts and the contracts. Applicant's emergency procurement procedures, which it has invoked for this disaster, permit time and materials contracts
4. Regular Project Worksheets will be written for the Applicant's temporary relocation/facilities costs upon submission of the required backup and supporting documentation. As appropriate, Versions (amendments) to this expedited temporary relocation/facilities Project Worksheet may be issued to de-obligate the corresponding funds addressed in the new Project Worksheets.
5. Any insurance proceeds recoverable by the Applicant for its disaster-related costs that are funded by the FEMA Public Assistance program are required to be remitted back to the Federal government.

Based on the information and supporting documentation provided by the Applicant, this Project Worksheets allocates \$34,515,660 on an expedited basis for the Applicant's temporary relocation/facilities costs incurred from October 30, 2012 and ongoing. These costs will be validated and reconciled in accordance with the regulations governing the FEMA Public Assistance Program. Project Worksheets will be issued to document the reconciliations and obligate/de-obligate funds as appropriate.

Costs incurred by the Applicant for evacuation of patients, dewatering/remediation of flooded areas, power restoration, temporary repairs and other emergency measures are addressed by expedited Project Worksheet U7SWM01. Expedited Project Worksheet U7SWM03 covers the Applicant's hazardous/contaminated debris removal and clean-up.

PROJECT COST						
ITEM	CODE	NARRATIVE	QUANTITY	UNIT	UNIT PRICE	COST
		WORK COMPLETED				
1		MRI Relocation/Rental/Set-Up	1.00	LS	\$1,500,000	\$1,500,000
2		CAT Scanner Replacement/Set-Up	1.00	LS	\$2,600,000	\$2,600,000
3		Emergency Room Set-Up	1.00	LS	\$1,271,660	\$1,271,660
4		Educational Temporary Facilities	1.00	LS	\$1,100,000	\$1,100,000
5		Temporary Mobile Data Centers (Rental)	1.00	LS	\$10,000,000	\$10,000,000
6		Kitchen Rental	1.00	LS	\$500,000	\$500,000
6		Medical Research Relocation	1.00	LS	\$11,100,000	\$11,100,000
7		General Temporary Space Leases	1.00	LS	\$3,844,000	\$3,844,000
8		General Moving/Relocation/Temporary Storage	1.00	LS	\$2,500,000	\$2,500,000
9		WORK TO BE COMPLETED				
		Moving/Relocation Project Management	1.00	LS	100,000	\$100,000
<i>SUBTOTAL FROM COST CONTINUATION PAGE(S)</i>						
TOTAL PROJECT COST						\$34,515,660

PA-02-NY-4085-PW-00007(0) <u>P</u>	
Applicant Name:	Application Title:
NYU MEDICAL CENTER	U670K02 - Emergency Measures - Temporary Relocation
Period of Performance Start:	Period of Performance End:
10-30-2012	04-30-2013

Subgrant Application - Entire Application

Application Title: U670K02 - Emergency Measures - Temporary Relocation

Application Number: PA-02-NY-4085-PW-00007(0)

Application Type: Subgrant Application (PW)

Preparer Information

Prefix
 First Name Domonic
 Middle Initial
 Last Name Nguyen
 Title FEMA Project Specialist
 Agency/Organization Name DHS/FEMA
 Address 1 1220 Washington Avenue
 Address 2 Bldg 22, Suite #101
 City Albany
 State NY
 Zip 12226
 Email lmoreno@dhses.ny.gov

Is the application preparer the Point of Contact? No

Point of Contact Information

Prefix
 First Name James
 Middle Initial
 Last Name Martin
 Title Controller-NYUHC
 Agency/Organization NYU Medical Center
 Address 1 550 First Avenue
 Address 2
 City New York
 State NY
 ZIP 10016
 Phone (b)(6)
 Fax 212-263-3303

Email (b)(6)@nyumc.org

Alternate Point of Contact Information

Prefix
 First Name
 Middle Initial
 Last Name
 Title
 Agency/Organization
 Address 1
 Address 2
 City
 State
 ZIP
 Phone
 Fax
 Email

Project Description

Disaster Number: 4085
 Pre-Application Number: PA-02-NY-4085-RPA-0115
 Applicant ID: 061-U670K-00
 Applicant Name: NYU MEDICAL CENTER
 Subdivision:
 Project Number: 0670K02
 Standard Project Number/Title: 299 - Emergency Protective Measures
 Please Indicate the Project Type: Neither Alternate nor Improved
 Application Title: U670K02 - Emergency Measures - Temporary Relocation
 Category: B.PROTECTIVE MEASURES
 Percentage Work Completed? 99.0 %
 As of Date: 11-26-2012
 Comments

Attachments

Damage Facilities (Part 1 of 2)

Facility Number	Facility Name	Address	County	City	State	ZIP	Site Previously Damaged?	Action
1	Emergency Measures - Temporary Relocation		New York	New York	NY		No	

Comments

Attachments

Facility Name: Emergency Measures - Temporary Relocation
 Address 1:
 Address 2:
 County: New York
 City: New York
 State: NY
 ZIP:
 Was this site previously damaged? No
 PA-02-NY-4085-PW-00007(0):
 550 First Avenue, New York, NY 10016

Location:

Damage Description and Dimensions:

PA-02-NY-4085-PW-00007(0):
 NYU Langone Medical Center ("Applicant") is a critical health care Private Non-Profit (PNP) entity that is composed of four hospitals: Tisch Hospital, a 705-bed acute care facility; the Hospital for Joint Diseases; Hassenfeld Pediatric Center, a pediatric hospital; and the Rusk Institute of Rehabilitation Medicine. In addition, the Applicant operates the NYU School of Medicine. The majority of the Applicant's facilities are located in an area designated as the "Super Block" that consists of several adjoining and free-standing structures designed and used for medical treatment/hospitalization, biomedical research including labs, medical education, and ancillary functions (administration, kitchen, utilities) needed to operate the NYU Langone Medical Center. As a result of Hurricane Sandy ("declared event"), the Applicant's facilities lost power on October 30, 2012, necessitating the evacuation of over 250 patients to area hospitals and jeopardizing biomedical research conducted at the Center. Additionally, the storm surge pushed water from the nearby East River into the lower levels (basement and sub-basement) of the facilities at the Super Block and damaged, or rendered inoperable, components of the Center's electrical, power generation, HVAC, backup power and information technology/network infrastructure. Floodwaters also destroyed or rendered unusable medical equipment, lab spaces containing research animals and specimens, office furnishings, and classrooms, and office spaces.

PA-02-NY-4085-PW-00007(0):
 Work COmpleted - Due to the extensive disaster-related damages to the critical infrastructure of the facilities of the Super Block, Applicant's healthcare services, medical school education, and research functions have been or will be relocated to temporary usable locations within the Super Block and also to off-site facilities.

These relocation/temporary activities, which began on October 30, 2012 and are continuing, consisted of:

1. Establishing temporary MRI diagnostic service area, including prepping new area for the MRI, modifying electrical system for MRI power requirements, and rental/setup of mobile MRI imaging scanner.
2. Set up of temporary CAT scan/radiology diagnostic service area, including prepping new area for the CAT scanner, and replacement/setup of CAT scanner that was destroyed when the Center flooded.
3. Establishing a temporary emergency room, including rental of a blood bank and outfitting the temporary ER with necessary equipment and supplies to

provide urgent medical care.

4. Rental of kitchen to prepare meals in accordance with patients' medically required dietary requirements.
5. Rental of temporary mobile data centers to provide information technology and network connections to bring medical systems back online, allow electronic communications, and resume medical research.
6. Obtaining leases for temporary classrooms to resume education of medical students and continuing medical education (CME) classes for health care professionals.
7. Relocating medical research to leased spaces, including new lab facilities at the East River Science Park (ERSP) and other available lab spaces. Applicant also used dry ice and liquid nitrogen to preserve perishable research during transport to new locations. Some of the research was placed into freezer storage.
8. Moving and relocating various administrative, research, educational and clinical functions to usable spaces within the complex and to leased off-site locations (e.g., 1 Park Avenue). To make new spaces operational, Applicant relocated computers, setup new IT configurations, temporarily warehoused various contents that were displaced by the disaster, and utilized professional movers to pack and transport items to temporary facilities/sites.
9. Evaluating spacing needs, identifying relocation/moving options, and coordinating all relocation activities. Applicant is using contract labor to accomplish these project management tasks.

Applicant submitted a summary spreadsheet identifying its temporary relocation/facilities activities to-date, the estimated costs for these activities, and the methods by which the activities were accomplished or will be accomplished. That spreadsheet has been included with this Project Worksheet as Attachment A. A review of the supplemental information and supporting documentation provided by the Applicant for its disaster-related temporary relocation/facilities costs resulted in the following notations:

Scope of Work:

1. As part of its attempt to resume providing essential medical care, Applicant plans to replace its disaster-damaged CAT scanner. This estimated cost is for permanent restorative work done on an emergency basis. Upon the submission of supporting documentation for this cost and FEMA inspections/validation of the damage, Project Worksheets will be written for this and other permanent restorative costs under the appropriate permanent work categories (C-G) and Section 406 hazard mitigation opportunities will be identified for FEMA Public Assistance funding.
2. Applicant chose to lease, rather than purchase, the temporary facilities to continue provision of its essential health care services.
3. Applicant utilized time and materials contracts (with not to exceed stipulations) for the majority of the temporary relocation/facilities activities. Applicant has asserted that it is carefully monitoring the contracts and the contracts. Applicant's emergency procurement procedures, which it has invoked for this disaster, permit time and materials contracts.
4. Regular Project Worksheets will be written for the Applicant's temporary relocation/facilities costs upon submission of the required backup and supporting documentation. As appropriate, Versions (amendments) to this expedited temporary relocation/facilities Project Worksheet may be issued to de-obligate the corresponding funds addressed in the new Project Worksheets.
5. Any insurance proceeds recoverable by the Applicant for its disaster-related costs that are funded by the FEMA Public Assistance program are required to be remitted back to the Federal government.

Based on the information and supporting documentation provided by the Applicant, this Project Worksheet allocates \$34,515,660 on an expedited basis for the Applicant's temporary relocation/facilities costs incurred from October 30, 2012 and ongoing. These costs will be validated and reconciled in accordance with the regulations governing the FEMA Public Assistance Program. Project Worksheets will be issued to document the reconciliations and obligate/de-obligate funds as appropriate.

Costs incurred by the Applicant for evacuation of patients, dewatering/remediation of flooded areas, power restoration, temporary repairs and other emergency measures are addressed by expedited Project Worksheet U7SWM01. Expedited Project Worksheet U7SWM03 covers the Applicant's hazardous/contaminated debris removal and clean-up.

Project Notes:

RECORD RETENTION: Complete records and cost documents for all approved work must be maintained for at least 3 years from the date the last project was completed or from the date final payment was received, whichever is later. Applicant is responsible for retention of all documentation associated with this project.

SUPPORTING DOCUMENTATION: 20% or more of the documentation to support this project has been reviewed and verified by the Applicant and Project Specialist for eligibility and correctness.

PROCUREMENT: The applicant is required to adhere to State Government Procurement rules and regulations and maintain adequate records to support the basis for all purchasing of goods and materials and contracting services for projects approved under the Public Assistance program, as stated in 44 CFR 13.36. The applicant has advised they have/will follow their normal procurement procedures.

PERMITS: The PA Project Specialist has advised the Applicant that it is their responsibility to obtain all applicable local, state and federal permits prior to any construction or debris disposal activity referenced on this project. Applicant has also been advised that the lack of obtaining and maintaining these documents may jeopardize funding.

INSURANCE: The applicant is aware that all projects are subject to an insurance review as stated in 44 C.F.R. Sections 206.252 and 206.253. If applicable an insurance determination will be made either as anticipated proceeds or actual proceeds in accordance with the applicant's insurance policy that may affect the total amount of the project.

11/26/2012 The subgrantee is not requesting Direct Administrative Costs (DAC) that are directly chargeable to this specific project. Associated eligible work is related administration of the PA project only and in accordance with 44 CFR 13.22. These costs are treated consistently and uniformly as direct costs in all federal awards and other subgrantee activities and are not included in any approved indirect cost rates.

Project Location	GIS Coordinates	
	Latitude	Longitude
550 First Avenue, New York, NY 10016	40.911061	-73.833745

PNP Questions	
Name of damaged facility:	NYU Medical Center
Critical facility:	Entire Facility is Critical
Facility Street Address:	550 First Ave
City:	New York
State:	NY
ZIP:	10016
Was the facility in use during disaster?	Yes
Was the facility damaged due to disaster?	Yes

Are repairs the legal responsibility of the PNP? Yes

Please explain the primary purpose of damaged facility: Medical Center

Please explain the type of assistance requested? Financial Assistance

Who may use the facility? General Public

Contact First Name: James

Contact Middle Initial:

Contact Last Name: Martin

Contact Phone: (b)(6)

Is there a fee charged for use of the facility: Yes

 If Yes, what is the cost? \$ 25.00

Do you own the facility? Yes

 If Yes, do you have proof of ownership attached? Yes

Do you lease the facility? No

 If Yes, do you have the lease agreement attached?

Do you rent the facility? No

 If Yes, do you have the rental agreement attached?

Is the facility insured? Yes

 If Yes, is the insurance policy attached? No

Comments

Attachments

Special Considerations

1. Does the damaged facility or item of work have insurance coverage and/or is it an insurable risk (e.g., buildings, equipment, vehicles, etc)? No
2. Is the damaged facility located within a floodplain or coastal high hazard area and/or does it have an impact on a floodplain or wetland? No
3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area? No
4. Will the proposed facility repairs/reconstruction change the pre-disaster conditions (e.g., footprint, material, location, capacity, use of function)? No
5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard mitigation proposal? No
6. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site? No
7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland? No
8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work? No
9. Are there any other environmental or controversial issues associated with the damaged facility and/or item of work? No

If you would like to make any comments, please enter them below.

(maximum 4000 characters)

Any change to the approved scope of work will require re-evaluation by the Environmental/Historic Preservation section for compliance with environmental and historic preservation considerations under the National Environmental Policy Act. Noncompliance with this requirement may jeopardize the receipt of federal funding.

Attachments

Mitigation section is not applicable for your project category.

Cost Estimate

Is this Project Worksheet for
(Preferred) Repair

Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Cost Estimate	Action
1	0000	Work Completed						
2	9999	MRI Relocation/Rental/Set-Up	1	LS	1,500,000.00	OTHER	\$ 1,500,000.00	
3	9999	CAT Scanner Replacement/Set-Up	1	LS	2,600,000.00	OTHER	\$ 2,600,000.00	
4	9999	Emergency Room Set-Up	1	LS	1,271,660.00	OTHER	\$ 1,271,660.00	
5	9999	Educational Temporary Facilities	1	LS	1,100,000.00	OTHER	\$ 1,100,000.00	
6	9999	Temporary Mobile Data Centers (Rental)	1	LS	10,000,000.00	OTHER	\$ 10,000,000.00	
7	9999	Kitchen Rental	1	LS	\$ 500,000.00	OTHER	\$ 500,000.00	
8	9999	Medical Research Relocation	1	LS	11,100,000.00	OTHER	\$ 11,100,000.00	
9	9999	General Temporary Space Leases	1	LS	3,844,000.00	OTHER	\$ 3,844,000.00	
10	9999	General Moving/Relocation/Temporary Storage	1	LS	2,500,000.00	OTHER	\$ 2,500,000.00	
11	0000	Work to be Completed						
12	9999	Moving/Relocation Project Management	1	LS	\$ 100,000.00	OTHER	\$ 100,000.00	
13	9903	No Direct Administrative Costs	0	LS	\$ 0.00	OTHER	\$ 0.00	
Total Cost:							\$ 34,515,660.00	

Insurance Adjustments (Deductibles, Proceeds and Settlements)

Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Cost Estimate	Action
Total Cost:							\$ 0.00	

Total Cost Estimate: \$ 34,515,660.00

(Preferred Estimate Type + Insurance Adjustments) Awarded cost line items: \$ 34,515,660.00
Remaining cost line items: \$ 0.00

Comments

Attachments

Existing Insurance Information

Insurance Type	Policy No.	Bldg/Property Amount	Content Amount	Insurance Amount	Deductible Amount	Years Required
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Comments

Attachments

Comments and Attachments

Name of Section	Comment	Attachment
Form 90-91		U670K02 - NYU Medical Center - PW.pdf U670K02 - NYU Medical Center - Spreadsheets.pdf

Bundle Reference # (Amendment #)	Date Awarded
PA-02-NY-4085-State-0006(5)	12-14-2012

Subgrant Application - FEMA Form 90-91

Note: The Effective Cost Share for this application is 75%

FEDERAL EMERGENCY MANAGEMENT AGENCY PROJECT WORKSHEET						
DISASTER		PROJECT NO.	PA ID NO.	DATE	CATEGORY	
FEMA	4085 - DR - NY	0670K02	061-U670K-00	11-27-2012	B	
APPLICANT: NYU MEDICAL CENTER				WORK COMPLETE AS OF: 11-26-2012 ; 99. %		
Site 1 of 1						
DAMAGED FACILITY: Emergency Measures - Temporary Relocation				COUNTY: New York		
LOCATION: PA-02-NY-4085-PW-00007(0): 550 First Avenue, New York, NY 10016				LATITUDE: 40.911061	LONGITUDE: -73.833745	
DAMAGE DESCRIPTION AND DIMENSIONS: PA-02-NY-4085-PW-00007(0): NYU Langone Medical Center ("Applicant") is a critical health care Private Non-Profit (PNP) entity that is composed of four hospitals: Tisch Hospital, a 705-bed acute care facility; the Hospital for Joint Diseases; Hassenfeld Pediatric Center, a pediatric hospital; and the Rusk Institute of Rehabilitation Medicine. In addition, the Applicant operates the NYU School of Medicine. The majority of the Applicant's facilities are located in an area designated as the "Super Block" that consists of several adjoining and free-standing structures designed and used for medical treatment/hospitalization, biomedical research including labs, medical education, and ancillary functions (administration, kitchen, utilities) needed to operate the NYU Langone Medical Center. As a result of Hurricane Sandy ("declared event"), the Applicant's facilities lost power on October 30, 2012, necessitating the evacuation of over 250 patients to area hospitals and jeopardizing biomedical research conducted at the Center. Additionally, the storm surge pushed water from the nearby East River into the lower levels (basement and sub-basement) of the facilities at the Super Block and damaged, or rendered inoperable, components of the Center's electrical, power generation, HVAC, backup power and information technology/network infrastructure. Floodwaters also destroyed or rendered unusable medical equipment, lab spaces containing research animals and specimens, office furnishings, and classrooms, and office spaces.						
SCOPE OF WORK:						

PA-02-NY-4085-PW-00007(0):

Work Completed - Due to the extensive disaster-related damages to the critical infrastructure of the facilities of the Super Block, Applicant's healthcare services, medical school education, and research functions have been or will be relocated to temporary usable locations within the Super Block and also to off-site facilities. These relocation/temporary activities, which began on October 30, 2012 and are continuing, consisted of: 1. Establishing temporary MRI diagnostic service area, including prepping new area for the MRI, modifying electrical system for MRI power requirements, and rental/setup of mobile MRI imaging scanner. 2. Set up of temporary CAT scan/radiology diagnostic service area, including prepping new area for the CAT scanner, and replacement/setup of CAT scanner that was destroyed when the Center flooded. 3. Establishing a temporary emergency room, including rental of a blood bank and outfitting the temporary ER with necessary equipment and supplies to provide urgent medical care. 4. Rental of kitchen to prepare meals in accordance with patients' medically required dietary requirements. 5. Rental of temporary mobile data centers to provide information technology and network connections to bring medical systems back online, allow electronic communications, and resume medical research. 6. Obtaining leases for temporary classrooms to resume education of medical students and continuing medical education (CME) classes for health care professionals. 7. Relocating medical research to leased spaces, including new lab facilities at the East River Science Park (ERSP) and other available lab spaces. Applicant also used dry ice and liquid nitrogen to preserve perishable research during transport to new locations. Some of the research was placed into freezer storage. 8. Moving and relocating various administrative, research, educational and clinical functions to usable spaces within the complex and to leased off-site locations (e.g., 1 Park Avenue). To make new spaces operational, Applicant relocated computers, setup new IT configurations, temporarily warehoused various contents that were displaced by the disaster, and utilized professional movers to pack and transport items to temporary facilities/sites. 9. Evaluating spacing needs, identifying relocation/moving options, and coordinating all relocation activities. Applicant is using contract labor to accomplish these project management tasks. Applicant submitted a summary spreadsheet identifying its temporary relocation/facilities activities to-date, the estimated costs for these activities, and the methods by which the activities were accomplished or will be accomplished. That spreadsheet has been included with this Project Worksheet as Attachment A. A review of the supplemental information and supporting documentation provided by the Applicant for its disaster-related temporary relocation/facilities costs resulted in the following notations: 1. As part of its attempt to resume providing essential medical care, Applicant plans to replace its disaster-damaged CAT scanner. This estimated cost is for permanent restorative work done on an emergency basis. Upon the submission of supporting documentation for this cost and FEMA inspections/validation of the damage, Project Worksheets will be written for this and other permanent restorative costs under the appropriate permanent work categories (C-G) and Section 406 hazard mitigation opportunities will be identified for FEMA Public Assistance funding. 2. Applicant chose to lease, rather than purchase, the temporary facilities to continue provision of its essential health care services. 3. Applicant utilized time and materials contracts (with not to exceed stipulations) for the majority of the temporary relocation/facilities activities. Applicant has asserted that it is carefully monitoring the contracts and the contracts. Applicant's emergency procurement procedures, which it has invoked for this disaster, permit time and materials contracts 4. Regular Project Worksheets will be written for the Applicant's temporary relocation/facilities costs upon submission of the required backup and supporting documentation. As appropriate, Versions (amendments) to this expedited temporary relocation/facilities Project Worksheet may be issued to de-obligate the corresponding funds addressed in the new Project Worksheets. 5. Any insurance proceeds recoverable by the Applicant for its disaster-related costs that are funded by the FEMA Public Assistance program are required to be remitted back to the Federal government. Based on the information and supporting documentation provided by the Applicant, this Project Worksheets allocates \$34,515,660 on an expedited basis for the Applicant's temporary relocation/facilities costs incurred from October 30, 2012 and ongoing. These costs will be validated and reconciled in accordance with the regulations governing the FEMA Public Assistance Program. Project Worksheets will be issued to document the reconciliations and obligate/de-obligate funds as appropriate. Costs incurred by the Applicant for evacuation of patients, dewatering/remediation of flooded areas, power restoration, temporary repairs and other emergency measures are addressed by expedited Project Worksheet U7SWM01. Expedited Project Worksheet U7SWM03 covers the Applicant's hazardous/contaminated debris removal and clean-up. Project Notes: RECORD RETENTION: Complete records and cost documents for all approved work must be maintained for at least 3 years from the date the last project was completed or from the date final payment was received, whichever is later. Applicant is responsible for retention of all documentation associated with this project. SUPPORTING DOCUMENTATION: 20% or more of the documentation to support this project has been reviewed and verified by the Applicant and Project Specialist for eligibility and correctness. PROCUREMENT: The applicant is required to adhere to State Government Procurement rules and regulations and maintain adequate records to support the basis for all purchasing of goods and materials and contracting services for projects approved under the Public Assistance program, as stated in 44 CFR 13.36. The applicant has advised they have/will follow their normal procurement procedures. PERMITS: The PA Project Specialist has advised the Applicant that it is their responsibility to obtain all applicable local, state and federal permits prior to any construction or debris disposal activity referenced on this project. Applicant has also been advised that the lack of obtaining and maintaining these documents may jeopardize funding. INSURANCE: The applicant is aware that all projects are subject to an insurance review as stated in 44 C.F.R. Sections 206.252 and 206.253. If applicable an insurance determination will be made either as anticipated proceeds or actual proceeds in accordance with the applicant's insurance policy that may affect the total amount of the project. 11/26/2012 The subgrantee is not requesting Direct Administrative Costs (DAC) that are directly chargeable to this specific project. Associated eligible work is related administration of the PA project only and in accordance with 44 CFR 13.22. These costs are treated consistently and uniformly as direct costs in all federal awards and other subgrantee activities and are not included in any approved indirect cost rates.

Does the Scope of Work change the pre-disaster conditions at the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Special Considerations included? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Hazard Mitigation proposal included? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is there insurance coverage on this facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST
1	0000	Work Completed	0/LS	\$ 0.00	\$ 0.00
2	9999	MRI Relocation/Rental/Set-Up	1/LS	\$ 1,500,000.00	\$ 1,500,000.00
3	9999	CAT Scanner Replacement/Set-Up	1/LS	\$ 2,600,000.00	\$ 2,600,000.00
4	9999	Emergency Room Set-Up	1/LS	\$ 1,271,660.00	\$ 1,271,660.00
5	9999	Educational Temporary Facilities	1/LS	\$ 1,100,000.00	\$ 1,100,000.00
6	9999	Temporary Mobile Data Centers	1/LS	\$	\$

		(Rental)		10,000,000.00	10,000,000.00
7	9999	Kitchen Rental	1/LS	\$ 500,000.00	\$ 500,000.00
8	9999	Medical Research Relocation	1/LS	\$ 11,100,000.00	\$ 11,100,000.00
9	9999	General Temporary Space Leases	1/LS	\$ 3,844,000.00	\$ 3,844,000.00
10	9999	General Moving/Relocation/Temporary Storage	1/LS	\$ 2,500,000.00	\$ 2,500,000.00
11	0000	Work to be Completed	0/LS	\$ 0.00	\$ 0.00
12	9999	Moving/Relocation Project Management	1/LS	\$ 100,000.00	\$ 100,000.00
13	9903	No Direct Administrative Costs	0/LS	\$ 0.00	\$ 0.00
				TOTAL COST	\$ 34,515,660.00
PREPARED BY Domonic Nguyen		TITLE FEMA Project Specialist		SIGNATURE	
APPLICANT REP. James Martin		TITLE Controller-NYUHC		SIGNATURE	

NYU MEDICAL CENTER : PA-02-NY-4085-PW-00007					
Conditions Information					
Review Name	Condition Type	Condition Name	Description	Monitored	Status
EHP Review	Other (EHP)	NEPA Condition	PW0007 is for temporary relocation of NYU Medical Center functions to existing facilities within the campus or that are otherwise compatible with the temporary use. The applicant must comply with all applicable federal, state and locals laws, regulations, etc. related to the operation of these temporary facilities. Failure to comply may result in loss of FEMA funding.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #1	Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #2	This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #3	If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.	No	Recommended
			PW0007 is for temporary relocation of		

Final Review	Other (EHP)	NEPA Condition	NYU Medical Center functions to existing facilities within the campus or that are otherwise compatible with the temporary use. The applicant must comply with all applicable federal, state and local laws, regulations, etc. related to the operation of these temporary facilities. Failure to comply may result in loss of FEMA funding.	No	Approved
Final Review	Other (EHP)	Standard Condition #1	Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.	No	Approved
Final Review	Other (EHP)	Standard Condition #2	This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.	No	Approved
Final Review	Other (EHP)	Standard Condition #3	If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.	No	Approved

Internal Comments				
No.	Queue	User	Date/Time	Reviewer Comments
7	Award Review	SYSTEM	12-15-2012 10:17 AM GMT	ACCEPTED
6	OLA Review	JOHNSON STEPHANIE	12-14-2012 02:41 PM GMT	DHS embargo until 12/14/12.
5	Final Review	LAWRENCE SUSAN	12-08-2012 01:39 PM GMT	Please review expedited PW
4	Final Review	DUGGER CHARLES	12-01-2012 04:37 PM GMT	Please review expedited PW
3	EHP Review	MYERS RICHARD	11-30-2012 09:07 PM GMT	PW0007 is for temporary relocation of NYU Medical functions to existing facilities within the campus or that are otherwise compatible with the temporary use. The applicant must comply with all applicable federal, state and local laws, regulation, etc. related to the operation of these temporary facilities. Failure to comply may result in loss of FEMA funding. - rmyers1 - 11/30/2012 20:34:41 GMT Relocation of operations will benefit entire community - rmyers1 - 11/30/2012 20:43:16 GMT Temporary Protective Measures - - rmyers1 - 11/30/2012 20:42:32 GMT
2	Final Review	DUGGER CHARLES	11-30-2012 06:27 PM GMT	Please review expedited PW
1	Initial Review	CAMPBELL BERTA	11-29-2012 08:38 PM GMT	11/29/2012 This is an expedited project worksheet. A subsequent version will be written to reconcile cost associated with the identified operational period.

LISTING OF EMERGENCY COSTS

Category	Location	Contractor	PW Type	TYPE	Cost Type	Description - Category 1	Amount
Architectural Engineering	Super Block	Ennead	Emergency Protective	Safety Inspections	Contract	Analysis of storm surge with respect to design of Kimmel, Energy + Science design	\$0
Architectural Engineering	Super Block	Hughes Associates	Emergency Protective	Safety Inspections	Contract	DOB required inspections - Egress Life Safety Inspections required for reoccupancy	\$500,000
Architectural Engineering	Super Block	JBB	Emergency Protective	Safety Inspections	Contract	Engineering and Design services, technical consulting/DOB required inspections	\$1,850,000
Architectural Engineering	Super Block	Langan Engineering	Emergency Protective	Safety Inspections	Contract	Emergency damage inspection of existing buildings	\$500,000
Architectural Engineering	Super Block	LERA (Leslie E. Robertson Associ	Emergency Protective	Safety Inspections	Contract	Emergency damage inspection of existing buildings	\$500,000
Architectural Engineering	Super Block	NBBJ	Emergency Protective	Safety Inspections	Contract	Analysis of storm surge with respect to design of Kimmel and Energy design	\$0
Architectural Engineering	Super Block	Sam Schwartz	Emergency Protective	Safety Inspections	Contract	DOT permitting required for Emergency Equipment	\$150,000
Architectural Engineering	Super Block	Saverud	Emergency Protective	Safety Inspections	Contract	DOB required inspections - Structural Inspections required for reoccupancy	\$1,000,000
Architectural Engineering	Super Block	Sierra Consulting	Emergency Protective	Safety Inspections	Contract	Evaluation of elevators	\$250,000
Architectural Engineering	Super Block	Thermostat	Emergency Protective	Safety Inspections	Contract	Evaluation of electrical equipment and tear down/repair of switchgear	\$250,000
Total - Architectural Engineering							\$5,000,000
Consulting	Super Block	Comerstone	Emergency Protective	Project Mgmt	Contract	Project Management Services	\$1,000,000
Consulting	Super Block	LPE Management Services, LC	Emergency Protective	Project Mgmt	Contract	Project Management Services	\$1,000,000
Consulting	Super Block	NYU Staff	Emergency Protective	Project Mgmt	Force Account Labor	Internal Staff	\$10,000,000
Total - Consulting							\$12,000,000
Contractor	660 First Avenue	Benjamin Construction	Emergency Protective	Temporary Emergency Repairs	Contract	Roof repairs	\$250,000
Contractor	660 First Avenue	Caldwell & Walsh Building Constru	Emergency Protective	Temporary Emergency Repairs	Contract	Temporary Reinforce door alignment (garage) & structural concrete refill	\$250,000
Contractor	660 First Avenue	East River Rigging	Emergency Protective	Temporary Emergency Repairs	Contract	Temporarily secure copper shingles	\$300,000
Contractor	660 First Avenue	G-CNY Builders	Emergency Protective	Permanent Work	Contract	Replace Ceiling Tiles and carpet	\$250,000
Contractor	660 First Avenue	JC Duggan Riggers	Emergency Protective	MEP	Contract	Moving temporary generator	\$250,000
Contractor	660 First Avenue	Phoenix Medical	Relocation	MR/CAT	Contract	Close up the active area & prepare for ultra sound use. MRI restoration to get the MRI back online. Mobile imaging (connector link, canopy light and enclosure). Misc. request to power 2nd floor IT	\$1,000,000
Contractor	Emergency Department and Rubin Hall	Skanska	Emergency Protective	Clean Up	Contract	Manpower for prep, cleanup and recovery before, during and after the storm	\$2,000,000
Contractor	Rivergate	JA Jennings	Relocation	MR/CAT	Contract	CT suite temporary construction/lobby remediation, radiology	\$600,000
Contractor	Rivergate	Maxons	Emergency Protective	Clean Up	Contract	Pump water out of both elevator pit and Radiology / CT suite, removed contaminated debris and flooring	\$400,000
Contractor	Super Block	Bellor	Emergency Protective	Clean Up	Contract	Pumping water/industrial drying/sanitizing/temporary ventilation/drywall	\$3,000,000
Contractor	Super Block	BR Fries	Emergency Protective	Clean Up	Contract	Manpower for prep, cleanup and recovery before, during and after the storm	\$500,000
Contractor	Super Block	Empire GC	Emergency Protective	Clean Up	Contract	Manpower for prep, cleanup and recovery before, during and after the storm	\$500,000
Contractor	Super Block	Exultant	Emergency Protective	Equipment Rentals	Contract	Emergency equipment rentals	\$200,000
Contractor	Super Block	Fred Geller Electric (FGE)	Emergency Protective	MEP	Contract	Temporary electric repairs	\$500,000
Contractor	Super Block	Interstate	Emergency Protective	Clean Up	Contract	Pumping water/industrial drying/sanitizing/temporary ventilation/drywall	\$3,000,000
Contractor	Super Block	Johnson Control Inc.	Emergency Protective	Temporary Emergency Repairs	Contract	Temporary fire alarm repairs	\$1,000,000
Contractor	Super Block	Turner Construction	Emergency Protective	MEP	Contract	Preparation work/remediation and recovery/temporary MEP infrastructure/overall Management of recovery effort	\$46,000,000
Total - Contractor							\$60,000,000
Environmental	MSB	PAL Environmental	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater	\$3,000,000
Environmental	Rubin/SLH	JVN	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater	\$1,000,000
Environmental	Rusk/Perlman	PAR	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater	\$2,500,000
Environmental	Several Bldgs	EPM (Environmental Planning and	Emergency Haz Mat	Asbestos	Contract	Asbestos surveys/investigation/monitoring	\$500,000
Environmental	Smilow/Tisch/Several	Veolia Environmental Services	Emergency Haz Mat	Fuel Oil	Contract	Remediation of fuel oil spill	\$1,500,000
Environmental	Super Block	Stericycle	Emergency Haz Mat	Trailer	Contract	Removal of trailer	
Environmental	Tisch	CTSI (Consulting & Testing Service	Emergency Haz Mat	Asbestos	Contract	Asbestos surveys/investigation/monitoring	\$500,000
Environmental	Tisch	ETS	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater	\$3,000,000
Total - Environmental							\$12,000,000
Equipment	660 First Avenue	HO Penn	Emergency Protective	Equipment Rentals	Contract	Generator rental and standby service	\$500,000
Equipment	660 First Avenue	Integ Systems Corporation	Relocation	MR/CAT	Contract	Replacement Transformers and Power Conditions for MRI's	\$500,000
Equipment	Rivergate	Siemens	Relocation	MR/CAT	Contract	Replacement of (CT Flash Scanner)	\$2,000,000
Equipment	Super Block	Heinrich Equipment	Emergency Protective	MEP	Contract	Repairs to Fuel Oil System	
Equipment	Super Block	HO Penn	Emergency Protective	Equipment Rentals	Contract	Multiple Generator rentals and standby service	\$1,500,000
Equipment	Super Block	MetreComm	Emergency Protective	MEP	Contract	Replacement Walkie-talkie radios	\$50,000
Equipment	Super Block	Eaton/GE/Lincoln	Emergency Protective	MEP	Contract	Temporary Electrical Gear	\$3,450,000
Equipment	Super Block	Electric Motor Maintenance	Emergency Protective	Equipment Rentals	Contract	Furnishing of temporary motors, and pumps	\$500,000
Equipment	Super Block	Powerhouse Equipment Rental	Emergency Protective	Equipment Rentals	Contract	Temporary mobile boiler rental and steam operator	\$2,000,000
Equipment	Super Block	Scales Air Compressors	Emergency Protective	Equipment Rentals	Contract	Temporary Air Compressors and standby service	\$500,000
Total - Equipment							\$11,000,000
Cleaning	660 First Avenue	Collins Building Services	Emergency Protective	Clean Up	Contract	Cleaning switchgear rooms	\$200,000
Cleaning	Super Block	Collins Building Services	Emergency Protective	Clean Up	Contract	Debris removal	\$1,800,000
Total - Maintenance							\$2,000,000
Moving	660 First Avenue	Alligro	Relocation	Moving	Contract	Relocate computers from RUSK & Tisch	\$200,000
Moving	GBH	Alligro	Relocation	Moving	Contract	Miscellaneous Relocates	\$200,000
Moving	Misc on and off site	All Seasons	Relocation	Moving	Contract	Miscellaneous Moves throughout superblock and off campus sites	\$500,000

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LISTING OF EMERGENCY COSTS

Category	Location	Contractor	PW Type	TYPE	Cost Type	Description - Category 1	Amount
Moving	Misc on and off site	Meehan Group	Relocation	Project Management	Contract	Management and coordination of all moves on Super block and off campus sites	\$100,000
Total - Moving							\$1,000,000
Photography	Super Block	Multivista	Emergency Protective	Inspections	Contract	Complete Photographic documentation - Ground floors, cellars and exteriors	\$500,000
Photography							\$500,000
Service	Rivergate	Nouveau Elevator	Emergency Protective	Temporary Repairs	Contract	Elevator Pit pumped out and parts replaced.	\$100,000
Service	Super Block	ConEd	Emergency Protective	MEP	Contract	Engineering review of temporary high pressure steam and energizing temp electric d	\$200,000
Service	Super Block	Emergency Service Fuel	Emergency Protective	Equipment Rentals	Contract	Continuous fuel and service for emergency generators	\$1,100,000
Service	Super Block	Nouveau Elevator	Emergency Protective	Temporary Repairs	Contract	Continuous elevator services and repairs	\$500,000
Service	Super Block	Verizon	Emergency Protective	MEP	Contract	Temporary service restoration	\$1,100,000
Service							\$3,000,000
Supplier	Super Block	Granger	Emergency Protective	Materials	Materials	Various tools, equipment and materials	\$1,000,000
Supplier							\$1,000,000
Temporary Space Rentals	Super Block		Relocation	Space	Contract	Temporary Space Needs - 1 Park Ave	\$1,844,000
Temporary Space Rentals	Super Block		Relocation	Warehouse	Contract	Warehouse space & moving expenses	\$450,000
Temporary Space Rentals	Super Block	East River Science Park	Relocation	Space	Contract	ERSP Vivarium Lease	\$978,792
Temporary Space Rentals	Super Block		Relocation	Space	Contract	Lab Space Rental	\$9,021,208
Temporary Space Rentals	Super Block	Apella	Relocation	Space	Contract	Rental of Classrooms for Medical Student teaching	\$1,000,000
Temporary Space Rentals	Super Block		Relocation	Space	Contract	Space rental for CME courses	\$100,000
Temporary Space Rentals	Super Block		Relocation	Space	Contract	Short term space needs for various - research, education, clinical	\$2,000,000
Total - Temporary Space Rentals							\$15,394,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	IT Infrastructure Purchases	\$7,909,771
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	Tisch Remediation	\$7,000,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	HCC Remediation	\$25,000,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	Smilow Remediation	\$3,000,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	Equipment/Services for Remediation	\$10,000,000
IT	Super Block	New Castle	Relocation	Data Center	Contract	Temporary mobile data centers	\$10,000,000
Total - IT Equipment							\$62,909,771
Hospital Operations Expenses	Super Block		Emergency Protective	Evacuation	Materials	Atmos Air Mattress Covers	\$70,000
Hospital Operations Expenses	Super Block	Kitchens To Go	Relocation	Kitchen	Contract	Kitchen Rental Expense	\$500,000
Hospital Operations Expenses	Super Block		Relocation	ER	ER	Emergency Room Equipment	\$1,021,660
Hospital Operations Expenses	Super Block		Emergency Protective	ER	ER	Emergency Food Service for Remediation Teams & Staff	\$700,000
Hospital Operations Expenses	Super Block		Relocation	ER	ER	Blood Bank Refrigerator Rental	\$250,000
Hospital Operations Expenses	Super Block		Relocation	Moving	Contract	Logistical Expenses (equipment, space, etc)	\$1,000,000
Hospital Operations Expenses	Super Block		Emergency Protective	Evacuation	Force Account Labor	Patient Evacuation Expenses	\$500,000
Total - Hospital Operation Expenses							\$4,041,660
Research Mission Expenses	Super Block		Emergency Haz Mat	Irradiator	Contract	Irradiator Disposal (underwater Smilow)	\$300,000
Research Mission Expenses	Super Block	Dry Ice Corp	Relocation	Medical Research	Materials	Dry Ice & Liquid Nitrogen, transportation, storage, travel for Research Preservation	\$600,000
Research Mission Expenses	Super Block		Relocation	Medical Research	Contract	Emergency Contracting (Freezer Storage, etc)	\$500,000
Total - Research Mission Expenses							\$1,400,000
Clinical Mission Expenses	Super Block		Relocation	Moving	Contract	Logistical Expenses for Relocation of FGP practices	\$150,000
Total - Clinical Mission Expenses							\$150,000
Education Mission Expenses	Super Block		Emergency Protective	Transportation	Materials	Relocation/Transportation of Residents	\$100,000
Total - Education Mission Expenses							\$100,000
Other Emergency Expenses	Super Block		Emergency Protective	General	Materials	Emergency hotel accommodations for staff, emergency preparation equipment / serv	\$243,520
Other Emergency Expenses	Super Block	NYU	Emergency Protective	General	Force Account Labor	Internal Labor - Overtime portion only (per FEMA Category B work)	\$7,515,283
Other Emergency Expenses	Super Block	NYU	Emergency Protective	General	Temporary Labor	Temporary Labor Costs	\$1,004,760
Total - Other Emergency Expenses							\$8,763,563
Total - Emergency Expenses							\$200,258,994

EMERGENCY COSTS - PW NYULMC1							
Category	Location	Contractor	PW Type	TYPE	Cost Type	Description - Category 1	Amount
Consulting	Super Block	Comerstone	Emergency Protective	EOC/Project Mgmt	Contract	Project Management Services	\$1,000,000
Consulting	Super Block	LPE Management Services, LC	Emergency Protective	EOC/Project Mgmt	Contract	Project Management Services	\$1,000,000
Consulting	Super Block	NYU Staff	Emergency Protective	EOC/Project Mgmt	Force Account Labor	Internal Staff	\$10,000,000
							\$12,000,000
Hospital Operations Expenses	Super Block		Emergency Protective	Evacuation	Materials	Atmos Air Mattress Covers	\$70,000
Hospital Operations Expenses	Super Block		Emergency Protective	Evacuation	Force Account Labor	Patient Evacuation Expenses	\$500,000
Education Mission Expenses	Super Block		Emergency Protective	Evacuation	Materials	Relocation/Transportation of Residents	\$100,000
							\$670,000
Contractor	Emergency Department and Rubin Hall	Skanska	Emergency Protective	Clean Up	Contract	Manpower for prep, cleanup and recovery before, during and after the storm	\$2,000,000
Contractor	Rivergate	Maxons	Emergency Protective	Clean Up	Contract	Pump water out of both elevator pit and Radiology / CT suite, removed contaminated debris and flooring	\$400,000
Contractor	Super Block	Belfor	Emergency Protective	Clean Up	Contract	Pumping water/industrial drying/sanitizing/temporary ventilation/drywall remediation	\$3,000,000
Contractor	Super Block	BR Fries	Emergency Protective	Clean Up	Contract	Manpower for prep, cleanup and recovery before, during and after the storm	\$500,000
Contractor	Super Block	Empire GC	Emergency Protective	Clean Up	Contract	Manpower for prep, cleanup and recovery before, during and after the storm	\$500,000
Contractor	Super Block	Interstate	Emergency Protective	Clean Up	Contract	Pumping water/industrial drying/sanitizing/temporary ventilation/drywall remediation	\$3,000,000
Cleaning	660 First Avenue	Collins Building Services	Emergency Protective	Clean Up	Contract	Cleaning switchgear rooms	\$200,000
Cleaning	Super Block	Collins Building Services	Emergency Protective	Clean Up	Contract	Debris removal	\$1,800,000
Hospital Operations Expenses	Super Block		Emergency Protective	Clean Up	Materials	Emergency Food Service for Remediation Teams & Staff	\$700,000
Equipment	Super Block	Electric Motor Maintenance	Emergency Protective	Clean Up	Contract	Furnishing of temporary motors and pumps	\$500,000
							\$12,600,000
Architectural Engineering	Super Block	Erneard	Emergency Protective	Safety Inspections	Contract	Analysis of storm surge with respect to design of Kimmel, Energy + Science design	\$0
Architectural Engineering	Super Block	Hughes Associates	Emergency Protective	Safety Inspections	Contract	DOB required inspections - Egress Life Safety Inspections required for reoccupancy	\$500,000
Architectural Engineering	Super Block	JBB	Emergency Protective	Safety Inspections	Contract	Engineering and Design services, technical consulting/DOB required inspections	\$1,850,000
Architectural Engineering	Super Block	Langan Engineering	Emergency Protective	Safety Inspections	Contract	Emergency damage inspection of existing buildings	\$500,000
Architectural Engineering	Super Block	LERA (Leslie E. Robertson Associ	Emergency Protective	Safety Inspections	Contract	Emergency damage inspection of existing buildings	\$500,000
Architectural Engineering	Super Block	NBBJ	Emergency Protective	Safety Inspections	Contract	Analysis of storm surge with respect to design of Kimmel and Energy design	\$0
Architectural Engineering	Super Block	Sam Schwartz	Emergency Protective	Safety Inspections	Contract	DOT permitting required for Emergency Equipment	\$160,000
Architectural Engineering	Super Block	Severud	Emergency Protective	Safety Inspections	Contract	DOB required inspections - Structural Inspections required for reoccupancy	\$1,000,000
Architectural Engineering	Super Block	Sierra Consulting	Emergency Protective	Safety Inspections	Contract	Evaluation of elevators	\$250,000
Architectural Engineering	Super Block	Thermostat	Emergency Protective	Safety Inspections	Contract	Evaluation of electrical equipment and tear down/repair of switchgear	\$250,000
							\$5,000,000
Contractor	660 First Avenue	Benjamin Construction	Emergency Protective	Emergency Repairs	Contract	Roof repairs	\$250,000
Contractor	660 First Avenue	Caldwell & Walsh Building Constr	Emergency Protective	Emergency Repairs	Contract	Temporary Reinforce door alignment (garage) & structural concrete retil	\$250,000
Contractor	660 First Avenue	East River Rigging	Emergency Protective	Emergency Repairs	Contract	Temporarily secure copper shingles	\$300,000
Contractor	Super Block	Johnson Control Inc.	Emergency Protective	Emergency Repairs	Contract	Temporary fire alarm repairs	\$1,000,000
Service	Rivergate	Nouveau Elevator	Emergency Protective	Emergency Repairs	Contract	Elevator Pit pumped out and parts replaced	\$100,000
Service	Super Block	Nouveau Elevator	Emergency Protective	Emergency Repairs	Contract	Continuous elevator services and repairs	\$500,000
Contractor	660 First Avenue	G-CNY Builders	Emergency Protective	Emergency Repairs	Contract	Replace Ceiling Tiles and carpet	\$250,000
Supplier	Super Block	Grainger	Emergency Protective	Emergency Repairs	Materials	Various tools, equipment and materials	\$1,000,000
							\$3,650,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	IT Infrastructure Purchases	\$7,909,771
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	Tisch Remediation	\$7,000,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	HCC Remediation	\$25,000,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	Smtlow Remediation	\$3,000,000
IT	Super Block		Emergency Protective	IT Permanent Work	Contract	Equipment/Services for Remediation	\$10,000,000
							\$52,909,771
Contractor	660 First Avenue	JC Duggan Riggers	Emergency Protective	MEP	Contract	Moving temporary generator	\$250,000
Contractor	Super Block	Fred Geller Electric (FGE)	Emergency Protective	MEP	Contract	Temporary electric repairs	\$500,000
Contractor	Super Block	Turner Construction	Emergency Protective	MEP	Contract	Preparation work/remediation and recovery/temporary MEP infrastructure/overall Management of recovery effort	\$46,000,000
Equipment	Super Block	Heinrich Equipment	Emergency Protective	MEP	Contract	Repairs to Fuel Oil System	
Equipment	Super Block	Eaton/GE/lincoln	Emergency Protective	MEP	Contract	Temporary Electrical Gear	\$3,450,000
Service	Super Block	ConEd	Emergency Protective	MEP	Contract	Engineering review of temporary high pressure steam and energizing temp electric gear	\$200,000
Service	Super Block	Verizon	Emergency Protective	MEP	Contract	Temporary service restoration	\$1,100,000
Equipment	Super Block	Powerhouse Equipment Rental	Emergency Protective	MEP	Contract	Temporary mobile boiler rental and steam operator	\$2,000,000
Equipment	Super Block	Scales Air Compressors	Emergency Protective	MEP	Contract	Temporary Air Compressors and standby service	\$500,000
Contractor	Super Block	Exultan	Emergency Protective	MEP	Contract	Emergency equipment rentals	\$200,000
Equipment	660 First Avenue	HO Penn	Emergency Protective	MEP	Contract	Generator rental and standby service	\$500,000
Equipment	Super Block	HO Penn	Emergency Protective	MEP	Contract	Multiple Generator rentals and standby service	\$1,500,000
Service	Super Block	Emergency Service Fuel	Emergency Protective	MEP	Contract	Continuous fuel and service for emergency generators	\$1,100,000
							\$57,300,000
Other Emergency Expenses	Super Block		Emergency Protective	General	Materials	Emergency hotel accommodations for staff, emergency preparation equipment / services	\$243,520
Other Emergency Expenses	Super Block	NYU	Emergency Protective	General	Force Account Labor	Internal Labor - Overtime portion only (per FEMA Category B work)	\$7,515,283
Other Emergency Expenses	Super Block	NYU	Emergency Protective	General	Temporary Labor	Temporary Labor Costs	\$1,064,760
Equipment	Super Block	MetroComm	Emergency Protective	General	Equipment	Replacement Walkie-talkie radios	\$50,000
							\$8,813,563
Photography	Super Block	Multivista	Emergency Protective	Direct Admin Costs	Contract	Complete Photographic documentation - Ground floors, cellars and exteriors	\$500,000
							\$500,000
							\$153,443,334
						Less \$100,000 for resident transportation and \$500,000 direct admin costs	(\$600,000)
						TOTAL for PW	\$152,843,334

PW NYULMC2 - TEMPORARY FACILITIES

Category	Location	Contractor	PW Type	TYPE	Cost Type	Description - Category 1	Amount	
Contractor	660 First Avenue	Phoenix Medical	Relocation	MRI	Contract	Close up the active area & prepare for ultra sound use. MRI restoration to get the MRI back online. Mobile imaging (connector link, canopy light and enclosure). Misc. request to power 2nd floor IT	\$1,000,000	
Equipment	660 First Avenue	Integ Systems Corporation	Relocation	MRI	Contract	Replacement Transformers and Power Conditions for MRI's	\$500,000	
							\$1,500,000	\$1,500,000
Contractor	Rivergate	JA Jennings	Relocation	CAT	Contract	CT suite temporary construction/lobby remediation,radiology	\$600,000	
Equipment	Rivergate	Siemens	Relocation	CAT	Contract	Replacment of (CT Flash Scanner)	\$2,000,000	
							\$2,600,000	\$2,600,000
Hospital Operations Expenses	Super Block		Relocation	ER	ER	Emergency Room Equipment	\$1,021,660	
Hospital Operations Expenses	Super Block		Relocation	ER	ER	Blood Bank Refrigerator Rental	\$250,000	
							\$1,271,660	\$1,271,660
Temporary Space Rentals	Super Block	Apella	Relocation	Education Space	Contract	Rental of Classrooms for Medical Student teaching	\$1,000,000	
Temporary Space Rentals	Super Block		Relocation	Education Space	Contract	Space rental for CME courses	\$100,000	
							\$1,100,000	\$1,100,000
IT	Super Block	New Castle	Relocation	Data Center	Contract	Temporary mobile data centers	\$10,000,000	
							\$10,000,000	\$10,000,000
Hospital Operations Expenses	Super Block	Kitchens To Go	Relocation	Kitchen	Contract	Kitchen Rental Expense	\$500,000	
							\$500,000	\$500,000
Temporary Space Rentals	Super Block	East River Science Park	Relocation	Medical Research Space	Contract	ERSP Vivarium Lease	\$978,792	
Temporary Space Rentals	Super Block		Relocation	Medical Research Space	Contract	Lab Space Rental	\$9,021,208	
Research Mission Expenses	Super Block	Dry Ice Corp	Relocation	Medical Research	Materials	Dry Ice & Liquid Nitrogen, transportation, storage, travel for Research Preservation	\$600,000	
Research Mission Expenses	Super Block		Relocation	Medical Research	Contract	Emergency Contracting (Freezer Storage, etc)	\$500,000	
							\$11,100,000	\$11,100,000
Temporary Space Rentals	Super Block		Relocation	Space	Contract	Temporary Space Needs - 1 Park Ave	\$1,844,000	
Temporary Space Rentals	Super Block		Relocation	Space	Contract	Short term space needs for various - research, education, clinical	\$2,000,000	
							\$3,844,000	\$3,844,000
Moving	660 First Avenue	Allegro	Relocation	Moving - General	Contract	Relocate computers from RUSK & Tisch	\$200,000	
Moving	GBH	Allegro	Relocation	Moving - General	Contract	Miscellaneous Relocates	\$200,000	
Moving	Misc on and off site	All Seasons	Relocation	Moving - General	Contract	Miscellaneous Moves throughout superblock and off campus sites	\$500,000	
Temporary Space Rentals	Super Block		Relocation	Moving - General	Contract	Warehouse space & moving expenses	\$450,000	
Hospital Operations Expenses	Super Block		Relocation	Moving - General	Contract	Logistical Expenses (equipment, space, etc)	\$1,000,000	
Clinical Mission Expenses	Super Block		Relocation	Moving - General	Contract	Logistical Expenses for Relocation of FGP practices	\$150,000	
							\$2,500,000	\$2,500,000
Moving	Misc on and off site	Meehan Group	Relocation	Project Management	Contract	Management and coordination of all moves on Super block and off campus sites	\$100,000	
							\$100,000	\$100,000
							Total	\$34,515,660

PW NYULMC3 - HAZARDOUS WASTE/ASBESTOS REMOVAL AND REMEDIATION

Category	Location	Contractor	PW Type	TYPE	Cost Type	Description - Category 1	Amount
Environmental	MSB	PAL Environmental	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater	\$3,000,000
Environmental	Rubin/SLH	JVN	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater	\$1,000,000
Environmental	Rusk/Perlman	PAR	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater	\$2,500,000
Environmental	Super Block	Stericycle	Emergency Haz Mat	Asbestos	Contract	Remediation of asbestos/wastewater	\$3,000,000
							\$9,500,000
Environmental	Several Bldgs	EPM (Environmental Planning and Management)	Emergency Haz Mat	Asbestos	Contract	Asbestos surveys/investigation/monitoring	\$500,000
Environmental	Smilow/Tisch/Several	Veolia Environmental Services	Emergency Haz Mat	Asbestos	Contract	Asbestos surveys/investigation/monitoring	\$500,000
							\$1,000,000
Environmental	Tisch	CTSI (Consulting & Testing Services Inc.)	Emergency Haz Mat	Fuel Oil	Contract	Remediation of fuel oil spill	\$1,500,000
							\$1,500,000
Environmental	Tisch	ETS	Emergency Haz Mat	Irradiator	Contract	Irradiator Disposal (underwater Smilow)	\$300,000
							\$300,000
							\$12,300,000

\$152,843,334
 \$34,515,660
 \$199,658,994
 600000
 \$200,258,994

FEDERAL EMERGENCY MANAGEMENT AGENCY

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project ID: PA-02-NY-4085-PW-00007

Title: U670K02 - Emergency Measures - Temporary Relocation

NEPA DETERMINATION

Non Compliant Flag: No
EA Draft Date:
EA Final Date:
EA Public Notice Date:
EA Fonsi Date:
Level: STATEX
EIS Notice of Intent Date:
EIS ROD Date:

Comments: PW0007 is for temporary relocation of NYU Medical functions to existing facilities within the campus or that are otherwise compatible with the temporary use. The applicant must comply with all applicable federal, state and local laws, regulation, etc. related to the operation of these temporary facilities. Failure to comply may result in loss of FEMA funding. - rmyers1 - 11/30/2012 20:34:41 GMT

CATEX CATEGORIES

Catex Category Code	Description	Selected
	No Catex Categories were selected	

EXTRAORDINARY CIRCUMSTANCES

Extraordinary Circumstance Code	Description	Selected ?
	No Extraordinary Circumstances were selected	

ENVIRONMENTAL LAW / EXECUTIVE ORDER

Environmental Law/ Executive Order	Status	Description	Comments
Clean Air Act (CAA)	Completed	Project will not result in permanent air emissions - Review concluded	
Coastal Barrier Resources Act (CBRA)	Completed	Project is not on or connected to CBRA Unit or otherwise protected area - Review concluded	
Clean Water Act (CWA)	Completed	Project would not affect any water of the U.S. - Review concluded	
Coastal Zone Management Act (CZMA)	Completed	Project is located in a coastal zone area and/or affects the coastal zone	
	Completed	State administering agency does not require consistency review - Review concluded	
Executive Order 11988 - Floodplains	Completed	No effect on floodplain/flood levels and project outside floodplain - Review concluded	Temporary Protective Measures - - rmyers1 - 11/30/2012 20:42:32 GMT
Executive Order 11990 - Wetlands	Completed	No effects on wetlands and project outside wetlands - Review concluded	

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project ID: PA-02-NY-4085-PW-00007

Title: U670K02 - Emergency Measures - Temporary Relocation

Environmental Law/ Executive Order	Status	Description	Comments
Executive Order 12898 - Environmental Justice for Low Income and Minority Populations	Completed	Low income or minority population in or near project area	Relocation of operations will benefit entire community - rmyers1 - 11/30/2012 20:43:16 GMT
	Completed	No disproportionately high and adverse impact on low income or minority population - Review concluded	
Endangered Species Act (ESA)	Completed	No listed species and/or designated critical habitat present in areas affected directly or indirectly by the federal action - Review concluded	
Farmland Protection Policy Act (FPPA)	Completed	Project does not affect designated prime or unique farmland - Review concluded	
Fish and Wildlife Coordination Act (FWCA)	Completed	Project does not affect, control, or modify a waterway/body of water - Review concluded	
Migratory Bird Treaty Act (MBTA)	Completed	Project not located within a flyway zone - Review concluded	
Magnuson-Stevens Fishery Conservation and Management Act (MSA)	Completed	Project not located in or near Essential Fish Habitat - Review concluded	
National Historic Preservation Act (NHPA)	Completed	Not type of activity with potential to affect historic properties - Review concluded	
Wild and Scenic Rivers Act (WSR)	Completed	Project is not along and does not affect Wild and Scenic River - Review concluded	

CONDITIONS

Special Conditions required on implementation of Projects:

PW0007 is for temporary relocation of NYU Medical Center functions to existing facilities within the campus or that are otherwise compatible with the temporary use. The applicant must comply with all applicable federal, state and local laws, regulations, etc. related to the operation of these temporary facilities. Failure to comply may result in loss of FEMA funding.

Source of condition: NEPA Determination

Monitoring Required: No

Standard Conditions:

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project ID: PA-02-NY-4085-PW-00007

Title: U670K02 - Emergency Measures - Temporary Relocation

Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.

This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.

If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.

McCoy, David D

From: Kung, Linda
Sent: Tuesday, January 08, 2013 1:15 PM
To: (b)(6)@nyumc.org
Subject: FW: NYU Medical - preliminary list of PWs for Superblock
Attachments: NYU PWs list 01-08-13.xlsx; 06-L477 PA Field Operations - Field Ops Pocket Guide Sept 2012 F.pdf

(b)(6) - I accidentally left you off the distribution list for this email, sorry about that. Please let me know if you have any questions. Thanks.

Linda L. Kung
DR-4085-NY
FEMA PAC
(202) 714-8159
linda.l.kung@fema.dhs.gov

From: Kung, Linda
Sent: Tuesday, January 08, 2013 9:15 AM
To: (b)(6)@nyumc.org; (b)(6)@dempsy-partners.com
Cc: (b)(6)@nyumc.org; David Molinari (b)(6)@aidrc.com; Meredith, Steve; John McMichael (john.mcmichael@associates.fema.dhs.gov)
Subject: NYU Medical - preliminary list of PWs for Superblock

All,

Attached is a preliminary list of PWs (.xlsx file) for the activities and structures associated with the NYU "Superblock." This is just a framework upon which other PWs are expected to be built. Additional PWs may include special floors/rooms within each building that will have mitigation components, special considerations, alternate/improved projects, etc. which will require them to be separated out of the building. These additional PWs can be added to the list in sequential order.

As far as direct administrative fees (DAC) are concerned, hours can be tracked in accordance with this preliminary list. Costs may be separated out when additional PWs are developed.

I understand there may be some confusion regarding the small number of PWs you see on this list. It is our every intention to work with the NYU Medical team to develop all the PWs in a common sense logical way to meet your needs. This list of PWs is only preliminary and will most likely change throughout this formulation process. For additional guidance on project formulation, please see attached "Public Assistance Program Field Operations Pocket Guide," September 2012, p. 11-14.

Thanks.

Linda L. Kung
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FEMA PAC
(202) 714-8159
linda.l.kung@fema.dhs.gov