

K18-854

COOPERATIVE ENDEAVOR AGREEMENT
BETWEEN
THE CITY OF NEW ORLEANS
AND
TULANE UNIVERSITY
NATIONAL DISASTER RESILIENCE COMPETITION PARTNER-SUBRECIPIENT
AGREEMENT

THIS COOPERATIVE ENDEAVOR AGREEMENT (the "**Agreement**") is entered into by and between the City of New Orleans, represented by its duly authorized representative (the "**City**"), and The Administrators of the Tulane Education Fund a non-profit corporation known as Tulane University ("**Subrecipient**" or "**TU**"), represented by Norey B. Laug, Associate Director, Sponsored Project Administration. The City and TU may sometimes be collectively referred to as the "**Parties**." The Agreement is effective as of February 1st, 2017 (the "**Effective Date**").

RECITALS

WHEREAS, the City is a political subdivision of the State of Louisiana;

WHEREAS, TU is an educational institution which principal address is located at 6823 St. Charles Avenue, New Orleans, LA 70118;

WHEREAS, pursuant to Article 7, Section 14(C) of the Louisiana Constitution of 1974, and related statutes, and Section 9-314 of the Home Rule Charter of the City of New Orleans, the City may enter into cooperative endeavors with the State of Louisiana, its political subdivisions and corporations, the United States and its agencies, and any public or private corporation, association, or individual with regard to cooperative financing and other economic development activities, the procurement and development of immovable property, joint planning and implementation of public works, the joint use of facilities, joint research and program implementation activities, joint funding initiatives, and other similar activities in support of public education, community development, housing rehabilitation, economic growth, and other public purposes;

WHEREAS, the City was awarded \$141,260,569 in National Disaster Resilience funds ("**NDR program**") made available by the Disaster Relief Appropriations Act, 2013 (Public Law 113-2, approved January 29, 2013) (Appropriations Act) and awarded under the National Disaster Resilience Competition as CDBG National Disaster Resilience ("**CDBG-NDR**") grants from the United States Department of Housing and Urban Development ("**HUD**") and has selected TU to be a subrecipient under the NDR program to receive certain funds in order to implement the program as set forth below;

WHEREAS, TU, by agreeing to undertake the implementation of this Agreement utilizing CDBG-NDR funds provided by HUD, will be acting as a subrecipient of the City as defined by 24 C.F.R. part 570, and hereby agrees to carry out this Agreement in full compliance with the laws and regulations of the NDR program and exhibits incorporated to this Agreement;

WHEREAS, the activities hereunder are eligible under the NDR program;

WHEREAS, the City and TU desire to accomplish a valuable public purpose of collecting and analyzing quantitative data to develop best practices to maximize green infrastructure investments,

Page 1 of 50

encourage ecological diversity and sustainability, and protect citizens against rodent and mosquito-transmitted diseases such as the Leptospirosis, Chikungunya, encephalitis and the West Nile and Zika viruses;

WHEREAS, TU will provide the City with access to quantitative data to help identify the impact of the Gentilly Resilience District (“GRD”) on vegetation, rodent, avian and mosquito ecological systems in Gentilly and adjacent neighborhoods;

WHEREAS, TU will provide the City with recommended practices to help encourage ecological diversity and sustainability, maximize public health benefits of the GRD and suppress rodent and mosquito-transmitted pathogen exposure risks;

WHEREAS, TU will provide educational and training opportunities for local university students in urban forestry, urban planning and socioecological assessment; and

WHEREAS, the City will provide TU with National Disaster Resilience grant funding in exchange for the aforementioned services.

NOW THEREFORE, the City and TU each having the authority to do so, agree as follows:

ARTICLE I – TU’S OBLIGATIONS

A. Ecological Surveys. TU will conduct the following annual ecological surveys at selected sites throughout the City:

1. *Vegetation Surveys*

- a. TU will partner with U.S. Forest Service to conduct USFS iTree protocol-compliant vegetation surveys at approximately 200 individual sites within the City, with half or more to be located within GRD footprint and adjacent neighborhoods.
- b. All vegetation surveys shall be conducted by USFS-trained and certified personnel annually between April and October of each calendar year.

2. *Rodent and Mosquito Surveys*

- a. TU will conduct rodent trappings and mosquito surveys to accompany vegetation surveys at a selected subset of sites representative of local, neighborhood and city-wide conditions.
- b. All rodent trappings and mosquito surveys shall be conducted in accordance with Institutional Animal Care (IACUC)-approved protocols.
- c. All rodent trappings and mosquito surveys shall be conducted by IACUC-approved personnel annually between April and October of each calendar year.

3. *Avian Surveys*

- a. TU will conduct bird surveys at the same selected subset of sites where rodent trappings and mosquito surveys are conducted.
- b. All bird surveys shall be conducted by trained personnel between April and October of each calendar year.

B. Data Analysis. TU will provide analysis of all data generated by ecological surveys, including but not limited to:

1. Vegetation Surveys

- a. Immediate and indirect impact of GDR on surrounding ecological systems and services, including assessment of relationships with any shifts in existing hydrological or soil conditions.
- b. Identification of adaptive management strategies and actions to ensure maintenance, development and sustainability of surrounding ecological systems and services.

2. Rodent and Mosquito Surveys

- a. Immediate and indirect impact of GDR on surrounding ecological systems and services.
- b. Comparison of rodent trapping and mosquito survey data with vegetation and avian surveys to determine all potential biotic and abiotic factors that govern rodent-transmitted and mosquito-transmitted pathogen exposure risk.
- c. Identification of adaptive management strategies and actions to ensure maintenance, development and sustainability of surrounding ecological systems and services.
- d. Identification of adaptive management strategies and actions to mitigate or suppress rodent-transmitted and mosquito-transmitted pathogen exposure risk.

3. Avian Surveys

- a. Immediate and indirect impact of GDR on surrounding ecological systems and services.
- b. Comparison of avian data with vegetation surveys, rodent trapping and mosquito surveys to determine all potential biotic and abiotic factors that govern rodent-transmitted and mosquito-transmitted pathogen exposure risk.
- c. Identification of adaptive management strategies and actions to ensure maintenance, development and sustainability of surrounding ecological systems and services.
- d. Identification of adaptive management strategies and actions to mitigate or suppress avian-associated, mosquito-transmitted pathogen exposure risk.

C. NDR Project-Specific Metrics. TU will be responsible for providing annual reports to the City on the NDR Project-specific performance metrics located in Exhibit C to this Agreement, in accordance with HUD CDBG-NDR reporting requirements.

D. Key Personnel. TU services shall be provided by the following key personnel:

1. Project Administration:

- a. Norey Laug, Authorized Organization Representative (TU)2.

2. Project Operations:

- a. Technical Lead: Dr. Joshua Lewis (TU).
- b. Technical Advisors: Dr. Michael Blum (TU) and Dr. Wayne Zipperer (U.S. Forest Service).
- c. Ecological Survey Lead: David Baker (TU).
- d. Ecological Survey Support: Two (2) TU Graduate Students.

TU shall notify the City in writing of any change of the above listed Key Personnel. The City retains the right to reject any such substitution within 30 days of receipt of written notice of substitution.

ARTICLE II - THE CITY'S OBLIGATIONS

A. **Administration.** The City will administer this Agreement through the Mayor's Office of Resilience & Sustainability.

B. **Access to Sites.** The City shall provide TU with access to all selected sites for purposes of the services listed above.

C. **Access to Information.** The City shall provide TU with all material and information reasonably necessary to allow TU to perform its obligations under this Agreement.

ARTICLE III - COMPENSATION

A. **Maximum Amount Payable.** The maximum amount payable by the City under this Agreement is SEVEN HUNDRED FORTY THOUSAND AND 00/100 DOLLARS (\$740,000.00) according to the following schedule: (Any funds not expended in Years 1 through 4 will carry forward to the following year.)

1. Year 1: \$143,149.00
2. Year 2: \$145,932.00
3. Year 3: \$148,024.00
4. Year 4: \$150,181.00
5. Year 5: \$152,714.00

B. **Other Costs.** Compensation shall be inclusive of all personnel costs, fringe benefits, equipment costs, travel costs, supply costs, publication costs, and indirect costs identified as those not directly incurred as a result of providing the services listed in this Agreement and deemed ineligible for federal modified total direct costs for on-campus research.

ARTICLE IV - DURATION AND TERMINATION

A. **Term.** The term of this agreement shall be for five (5) years from the Effective Date.

B. **Termination for Convenience.** The City may terminate this Agreement at any time during the term of the Agreement by giving TU written notice of the termination at least 30 calendar days before the intended date of termination.

C. **Termination for Cause.** The City may terminate this Agreement immediately for cause by sending written notice to TU. "Cause" includes without limitation any failure to perform any

obligation or abide by any condition of this Agreement or the failure of any representation or warranty in this Agreement, including without limitation any failure to comply with the requirements of the City's Disadvantaged Business Enterprise program and any failure to comply with any provision of City Code § 2-1120 or requests of the Office of Inspector General. If a termination for cause is subsequently challenged in a court of law and the challenging party prevails, the termination will be deemed to be a termination for convenience effective 30 days from the date of the original written notice of termination for cause was sent to the challenging party; no further notice will be required.

D. Termination for Non-Appropriation. This Agreement will terminate immediately in the event of non-appropriation of funds sufficient to maintain this Agreement without the requirement of notice and the City will not be liable for any amounts beyond the funds appropriated and encumbered for this Agreement.

ARTICLE V - INDEMNITY

A. Indemnity to the City.

1. To the fullest extent permitted by law, TU will indemnify, defend, and hold harmless the City, its agents, employees, officials, insurers, self-insurance funds, and assigns (collectively, the "Indemnified Parties") from and against claims, demands, suits, and judgments of sums of money accruing against the Indemnified Parties: for loss of life or injury or damage to persons or property arising from or relating to any negligent act or omission or the operation of TU, its agents or employees while engaged in or in connection with the discharge or performance of any services under this Agreement; and for any and all claims and/or liens for labor, services, or materials furnished to TU in connection with the performance of work under this Agreement.

2. **Limitation.** TU's indemnity does not extend to any loss arising from the negligence or willful misconduct of any of the Indemnified Parties, provided that neither TU nor any of its agents or employees contributed to such negligence or willful misconduct.

3. **Independent Duty.** TU has an immediate and independent obligation to, at the City's option: (a) defend the City from or (b) reimburse the City for its costs incurred in the defense of any claim that actually or potentially falls within this indemnity, even if: (1) the allegations are or may be groundless, false, or fraudulent; or (2) TU is ultimately absolved from liability.

4. **Expenses.** Notwithstanding any provision to the contrary, TU shall bear the expenses including, but not limited to, the City's reasonable attorney fees and expenses, incurred by the City in enforcing this indemnity.

B. Indemnity to TU. To the fullest extent permitted by law, the City will indemnify, defend, and hold harmless TU, its agents, employees, officials, and assigns from and against any and all claims, demands, suits, and judgments of sums of money accruing against TU for loss of life or injury or damage to persons or property arising from or relating to negligent act or omission or the operation of the City, its agents or employees while engaged in or in connection with the discharge or performance of any services under this Agreement and for any and all claims and/or liens for labor, services, or materials furnished to TU in connection with the performance of work under this Agreement.

ARTICLE VI - INSURANCE

A. Minimum Scope of Insurance. Coverage shall be at least as broad as the following:

1. **Commercial General Liability (CGL):** Insurance Services Office Form CG 00 01 or similar acceptable to the City, covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal & advertising injury with limits no less than \$1,000,000 per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.

2. **Automobile Liability:** ISO Form Number CA 00 01 or similar acceptable to the City covering any auto (Symbol 1, or Symbols 7, 8, 9), or if TU has no owned autos, hired, (Code 8) and non-owned autos (Code 9), with limit no less than \$1,000,000 Combined Single Limit per accident for bodily injury and property damage.

3. **If applicable, Professional Liability (Errors and Omissions):** with limits no less than \$1,000,000 per claim.

B. Other Insurance Provisions. The insurance policies are to contain, or be endorsed to contain, the following provisions:

1. **Additional Insured Status.** TU will provide, and maintain current, a Certificate of Insurance naming The City of New Orleans, its departments, political subdivisions, officers, officials, employees, and volunteers are to be covered as "Additional Insureds" on the CGL policy with respect to liability arising out of the performance of this agreement. General liability coverage can be provided in the form of an endorsement to TU's insurance (at least as broad as ISO Form CG 20 10 11 85 or both CG 20 10 and CG 20 37 forms if later revisions used). The Certificate of Insurance, as evidence of all required coverage, should name the City of New Orleans Risk Manager as Certificateholder and be delivered via U.S. Mail to 1300 Perdido Street, 9E06—City Hall, New Orleans, LA 70112.

2. **Primary Coverage.** For any claims related to this contract against TU for loss of life or injury or damage to persons or property arising from or relating to its negligent act or omission or operations, and/or its agents or employees while engaged in or in connection with the discharge or performance of any services under this Agreement and for any and all claims and/or liens for labor, services, or materials furnished to TU in connection with the performance of work under this Agreement, TU's insurance coverage shall be primary insurance as respects the City, its departments, political subdivisions, officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the City shall be non-contributing to TU's coverage.

3. **Claims Made Policies.**

- a. The retroactive date must be shown and must be before the date of the contract or the beginning of work.
- b. If the coverage is canceled or non-renewed, and not replaced with another claims-made policy, TU must purchase "extended reporting" coverage for minimum of five (5) years after the termination of this agreement.

4. **Waiver of Subrogation.** TU and its insurers agree to waive any right of subrogation which any insurer may acquire against the City by virtue of the payment of any loss under insurance required by this contract.

5. **Notice of Cancellation.** If coverage is provided by a policy of insurance as opposed to acceptable self-insurance, each insurance policy required above shall provide that coverage shall not be canceled, except with prior notice to the City of no less than 30 days.

6. **Acceptability of Insurers.** Insurance is to be placed with insurers licensed and authorized to do business in the State of Louisiana with a current A.M. Best's rating of no less than A:VII, unless otherwise acceptable to the City.

C. Other Requirements:

1. TU will provide the City's Risk Manager (at City of New Orleans Attn: Risk Manager, 1300 Perdido Street, Suite 9E06, New Orleans, LA 70112 – Ref.: **Gentilly Resilience District Monitoring and Analysis**) within 10 calendar days of the execution date of the Agreement by the City and at any other time at the City's request the following documents:

- a. Proof of coverage for each policy of insurance required by this Agreement;
- b. Copy of the fully executed Agreement;
- c. Statements disclosing any policy aggregate limit.

2. Without notice from the City, TU will:

- a. Replenish or have adequate excess to follow, any policy aggregate limit that is impaired before commencement of any work or continuation of any work under this Agreement;
- b. Substitute insurance coverage acceptable to the City within 30 calendar days if any insurance company providing any insurance with respect to this Agreement is declared bankrupt, becomes insolvent, loses the right to do business in Louisiana, or ceases to meet the requirements of this Agreement; and
- c. Notify the City's Risk Manager in writing of non-renewal, cancellation, or reduction in coverage or limits affecting any policy of insurance maintained under this Agreement.

ARTICLE VII - PERFORMANCE MEASURES

A. Factors. The City will measure the performance of TU according to the following non-exhaustive factors: work performed in compliance with the terms of the Agreement; staff availability; staff training; staff professionalism; staff experience; customer service; communication and accessibility; prompt and effective correction of situations and conditions; timeliness and completeness of submission of requested documentation (such as records, receipts, invoices, insurance certificates, and computer-generated reports).

B. Failure to Perform. If TU fails to perform according to the Agreement, the City will notify TU. If there is a continued lack of performance after notification, the City may declare TU in default and may pursue any appropriate remedies available under the Agreement and/or any applicable law. In the event of a notification of default, the City will invoice the defaulting contractor for any increase in costs and other damages sustained by the City. Further, the City will seek full recovery from the defaulting contractor.

ARTICLE VIII – LIVING WAGES

To the fullest extent permitted by law, TU agrees to abide by City Code sections 70-801, *et seq.*, which requires payment of a wage to covered employees equal to the amounts defined in the Code ("Living Wage"). If TU fails to comply with the requirements of the Living Wage during the term of the Agreement, said failure may result in termination of the Agreement or the pursuit of other remedies by the City.

ARTICLE X - NON-DISCRIMINATION

A. **Equal Employment Opportunity.** In all hiring or employment made possible by, or resulting from this Agreement, TU (1) will not be discriminate against any employee or applicant for employment because of race, color, religion, gender, age, physical or mental disability, national origin, sexual orientation, creed, culture, or ancestry, and (2) where applicable, will take affirmative action to ensure that TU's employees are treated during employment without regard to their race, color, religion, gender, age, physical or mental disability, national origin, sexual orientation, creed, culture, or ancestry. This requirement shall apply to, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. All solicitations or advertisements for employees shall state that all qualified applicants will receive consideration for employment without regard to race, color, religion, gender, age, physical or mental disability, national origin, sexual orientation, creed, culture, or ancestry.

B. **Non-Discrimination.** In the performance of this Agreement, TU will not discriminate on the basis, whether in fact or perception, of a person's race, color, creed, religion, national origin, ancestry, age, sex (gender), sexual orientation, gender identity, domestic partner status, marital status, physical or mental disability, or AIDS- or HIV-status against (1) any employee of the City working with TU in any of TU's operations within Orleans Parish or (2) any person seeking accommodations, advantages, facilities, privileges, services, or membership in all business, social, or other establishments or organizations operated by TU. TU agrees to comply with and abide by all applicable federal, state and local laws relating to non-discrimination, including, without limitation, Title VI of the Civil Rights Act of 1964, Section V of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990.

C. **Incorporation into Subcontracts.** TU will incorporate the terms and conditions of this Article into all subcontracts, by reference or otherwise, and will require all subcontractors to comply with those provisions.

D. The City may terminate this Agreement for cause if TU fails to comply with any obligation in this Article, which failure is a material breach of this Agreement.

ARTICLE XI - INDEPENDENT CONTRACTOR

A. **Independent Contractor Status.** TU is an independent contractor and shall not be deemed an employee, servant, agent, partner, or joint venture of the City and will not hold itself or any of its employees, subcontractors or agents to be an employee, partner, or agent of the City.

B. **Exclusion of Worker's Compensation Coverage.** The City will not be liable to TU, as an independent contractor as defined in La. R.S. 23:1021(6), for any benefits or coverage as provided by the Workmen's Compensation Law of the State of Louisiana. Under the provisions of La. R.S. 23:1034, any person employed by TU will not be considered an employee of the City for the purpose of Worker's Compensation coverage.

C. Exclusion of Unemployment Compensation Coverage. TU, as an independent contractor, is being hired by the City under this Agreement for hire and defined in La. R.S. 23:1472(E) and neither TU nor anyone employed by it will be considered an employee of the City for the purpose of unemployment compensation coverage, which coverage same being hereby expressly waived and excluded by the parties, because: (a) TU has been and will be free from any control or direction by the City over the performance of the services covered by this contract; (b) the services to be performed by TU are outside the normal course and scope of the City's usual business; and (c) TU has been independently engaged in performing the services required under this Agreement prior to the date of this Agreement.

D. Waiver of Benefits. TU, as an independent contractor, will not receive from the City any sick and annual leave benefits, medical insurance, life insurance, paid vacations, paid holidays, sick leave, pension, or Social Security for any services rendered to the City under this Agreement.

ARTICLE XII - NOTICE

A. In General. Except for any routine communication, any notice, demand, communication, or request required or permitted under this Agreement will be given in writing and delivered in person or by certified mail, return receipt requested as follows:

1. To the City:

Director
Mayor's Office of Resilience and Sustainability
City of New Orleans
1300 Perdido Street
New Orleans, LA 70112

&

City Attorney
City of New Orleans
1300 Perdido Street, Suite 5E03
New Orleans, LA 70112

2. To TU:

Norey B. Laug, Associate Director
7029 Freret Street
New Orleans, LA 70118
Tel: 504-865-5272
norey@tulane.edu

B. Effectiveness. Notices are effective when received, except any notice that is not received due to the intended recipient's refusal or avoidance of delivery is deemed received as of the date of the first attempted delivery.

C. Notification of Change. Each party is responsible for notifying the other in writing that references this Agreement of any changes in its address(es) set forth above.

ARTICLE XIII - ADDITIONAL PROVISIONS

A. Amendment. No amendment of or modification to this Agreement shall be valid unless and

until executed in writing by the duly authorized representatives of both parties to this Agreement.

B. Assignment. This Agreement and any part of TU's interest in it are not assignable or transferable without the City's prior written consent.

C. Audit and Other Oversight. TU will abide by all provisions of City Code § 2-1120, including without limitation City Code § 2-1120(12), which requires TU to provide the Office of Inspector General with documents and information as requested. Failure to comply with such requests is a material breach of the Agreement. In signing this Agreement, TU agrees that it is subject to the jurisdiction of the Orleans Parish Civil District Court for purposes of challenging a subpoena.

D. Choice of Law. This Agreement will be construed and enforced in accordance with the laws of the State of Louisiana without regard to its conflict of laws provisions.

E. Construction of Agreement. Neither party will be deemed to have drafted this Agreement. This Agreement has been reviewed by the Parties and shall be construed and interpreted according to the ordinary meaning of the words used so as to fairly accomplish the purposes and intentions of the Parties. No term of this Agreement shall be construed or resolved in favor of or against the City or TU on the basis of which party drafted the uncertain or ambiguous language. The headings and captions of this Agreement are provided for convenience only and are not intended to have effect in the construction or interpretation of this Agreement. Where appropriate, the singular includes the plural and neutral words and words of any gender shall include the neutral and other gender.

F. Convicted Felon Statement. TU complies with City Code § 2-8(c) and no principal, member, or officer of TU has, within the preceding 5 years, been convicted of, or pled guilty to, a felony under state or federal statutes for embezzlement, theft of public funds, bribery, or falsification or destruction of public records.

G. Employee Verification. TU swears that (i) it is registered and participates in a status verification system to verify that all employees in the State of Louisiana are legal citizens of the United States or are legal aliens; (ii) it shall continue, during the term of this Agreement, to utilize a status verification system to verify the legal status of all new employees in the State of Louisiana; and (iii) it shall require all subcontractors to submit to TU a sworn affidavit verifying compliance with items (i) and (ii) above. Any violation of the provisions of this paragraph may subject this Agreement to termination, and may further result in TU being ineligible for any public contract for a period of 3 years from the date the violation is discovered. TU further acknowledges and agrees that it shall be liable for any additional costs incurred by the City occasioned by the termination of this Agreement or the loss of any license or permit to do business in the State of Louisiana resulting from a violation of this provision. TU will provide to the City a sworn affidavit attesting to the above provisions if requested by the City. The City may terminate this Agreement for cause if TU fails to provide such the requested affidavit or violates any provision of this paragraph.

H. Entire Agreement. This Agreement, including all incorporated documents, constitutes the final and complete agreement and understanding between the parties. All prior and contemporaneous agreements and understandings, whether oral or written, are superseded by this Agreement and are without effect to vary or alter any terms or conditions of this Agreement.

I. Exhibits. The following exhibits will be and are incorporated into this Agreement:

- Exhibit A "HUD NDR Compliance Provisions for Direct Grantee – Subrecipient Agreement and Professional Services Contracts"; and

- Exhibit B "TU – Gentilly Resilience District";
- Exhibit C "TU NDR Project-Specific Performance Metrics"; and
- Exhibit D "TU Line Item Budget."

J. Jurisdiction. TU consents and yields to the jurisdiction of the State Civil Courts of the Parish of Orleans and formally waives any pleas or exceptions of jurisdiction on account of the residence of TU.

K. Limitations of the City's Obligations. The City has no obligations not explicitly set forth in this Agreement or any incorporated documents or expressly imposed by law.

L. No Third Party Beneficiaries. This Agreement is entered into for the exclusive benefit of the parties and the parties expressly disclaim any intent to benefit anyone not a party to this Agreement.

M. Non-Exclusivity. This Agreement is non-exclusive and TU may provide services to other clients, the City may engage the services of others for the provision of some or all of the work to be performed under this Agreement.

N. Non-Solicitation Statement. TU has not employed or retained any company or person, other than a bona fide employee working solely for it, to solicit or secure this Agreement. TU has not paid or agreed to pay any person, other than a bona fide employee working for it, any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from this Agreement.

O. Non-Waiver. The failure of either party to insist upon strict compliance with any provision of this Agreement, to enforce any right or to seek any remedy upon discovery of any default or breach of the other party at such time as the initial discovery of the existence of such noncompliance, right, default or breach shall not affect or constitute a waiver of either party's right to insist upon such compliance, exercise such right or seek such remedy with respect to that default or breach or any prior contemporaneous or subsequent default or breach.

P. Ownership of Records. TU shall maintain ownership of all data collected and all products of work prepared, created or modified by TU in the performance of this Agreement, including without limitation any and all notes, tables, graphs, reports, files, computer programs, source code, documents, records, disks, original drawings or other such material, regardless of form and whether finished or unfinished, but excluding TU's personnel and administrative records and any tools, systems, and information used by TU to perform the services under this Agreement, including computer software (object code and source code), know-how, methodologies, equipment, and processes and any related intellectual property (collectively, "Work Product"). TU shall also maintain all right, title and interest in any Work Product, including without limitation the right to secure and maintain any copyright, trademark, or patent of Work Product in TU's name. However, TU acknowledges that the purpose of the Project is for the benefit of the City of New Orleans, and therefore TU shall grant the City a no-cost perpetual license to utilize all Work Product in a manner to further the purpose of the Project, provided that the City takes all reasonable precautions to protect TU's intellectual property and proprietary interests of the Work Product, subject to all applicable public records laws. The Contactor shall also be able present or publish materials deriving from its Work Product at its sole discretion, provided that TU provide the City with an advance copy for review and feedback at least seven (7) days prior to presentation or publication.

Q. Prohibition of Financial Interest in Agreement. No elected official or employee of the City shall have a financial interest, direct or indirect, in this Agreement. For purposes of this provision, a financial interest held by the spouse, child, or parent of any elected official or employee of the City shall be deemed to be a financial interest of such elected official or employee of the City. Any willful violation of this provision, with the expressed or implied knowledge of TU, shall render this Agreement voidable by the City and shall entitle the City to recover, in addition to any other rights and remedies available to the City, all monies paid by the City to TU pursuant to this Agreement without regard to TU's otherwise satisfactory performance of the Agreement.

R. Prohibition on Political Activity. None of the funds, materials, property, or services provided directly or indirectly under the terms of this Agreement shall be used in the performance of this Agreement for any partisan political activity, or to further the election or defeat of any candidate for public office.

S. Remedies Cumulative. No remedy set forth in the Agreement or otherwise conferred upon or reserved to any party shall be considered exclusive of any other remedy available to a party. Rather, each remedy shall be deemed distinct, separate and cumulative and each may be exercised from time to time as often as the occasion may arise or as may be deemed expedient.

T. Severability. Should a court of competent jurisdiction find any provision of this Agreement to be unenforceable as written, the unenforceable provision should be reformed, if possible, so that it is enforceable to the maximum extent permitted by law or, if reformation is not possible, the unenforceable provision shall be fully severable and the remaining provisions of the Agreement remain in full force and effect and shall be construed and enforced as if the unenforceable provision was never a part the Agreement.

U. Special Conditions for HUD NDR Contracts. The "HUD NDR Compliance Provisions for Direct Grantee – Subrecipient Agreement and Professional Services Contracts," attached as Exhibit "A" to this Agreement, are expressly incorporated in the Agreement and will be effective, notwithstanding any provision of the Agreement or any incorporated documents, to the contrary, upon the City's notice to TU that the City intends to seek reimbursement from the NDR Program in connection with the work to be performed under this Agreement.

V. Subcontractor Reporting. TU will provide a list of all natural or artificial persons who are retained by TU at the time of the Agreement's execution and who are expected to perform work as subcontractors in connection with TU's work for the City. For any subcontractor proposed to be retained by TU to perform work on the Agreement with the City, TU must provide notice to the City within 30 days of retaining that subcontractor. If TU fails to submit the required lists and notices, the City may, after thirty 30 days' written notice to TU, take any action it deems necessary, including, without limitation, causing the suspension of any payments, until the required lists and notices are submitted.

W. Survival of Certain Provisions. All representations and warranties and all obligations concerning record retention, inspections, audits, ownership, indemnification, payment, remedies, jurisdiction, and choice of law shall survive the expiration, suspension, or termination of this Agreement and continue in full force and effect.

X. Terms Binding. The terms and conditions of this Agreement are binding on any heirs, successors, transferees, and assigns.

ARTICLE XIV - ELECTRONIC SIGNATURE AND DELIVERY

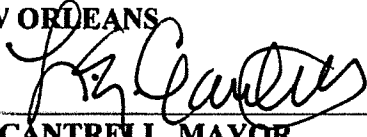
The Parties agree that a manually signed copy of this Agreement and any other document(s) attached to this Agreement delivered by email shall be deemed to have the same legal effect as delivery of an original signed copy of this Agreement. No legally binding obligation shall be created with respect to a party until such party has delivered or caused to be delivered a manually signed copy of this Agreement.

[The remainder of this page is intentionally left blank]

[SIGNATURES CONTAINED ON NEXT PAGE]

IN WITNESS WHEREOF, the City and TU, through their duly authorized representatives, execute this Agreement to be effective as of the Effective Date.

CITY OF NEW ORLEANS

BY: 

LATOYA CANTRELL, MAYOR

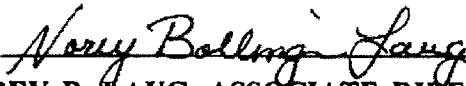
Executed on this 19th of September, 2018.

Law Department

By: 

Printed Name: Tracy Tyler

TULANE UNIVERSITY

BY: 

NOREY B. LAUG, ASSOCIATE DIRECTOR, SPONSORED PROJECTS
ADMINISTRATOR

72-042388942

FEDERAL TAX I.D.

[EXHIBITS A – C CONTAINED ON FOLLOWING PAGES]

**EXHIBIT A TO THE COOPERATIVE ENDEAVOR AGREEMENT
BETWEEN
THE CITY OF NEW ORLEANS
AND
TULANE UNIVERSITY
HUD NDR COMPLIANCE PROVISIONS FOR DIRECT GRANTEE -
SUBRECIPIENT AGREEMENTS AND PROFESSIONAL SERVICES CONTRACTS**

TABLE OF CONTENTS

1. EQUAL EMPLOYMENT OPPORTUNITY (Equal Opportunity Clause)
2. STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
CONSTRUCTION CONTRACT SPECIFICATIONS
3. NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION
4. CERTIFICATION OF NONSEGREGATED FACILITIES
5. CIVIL RIGHTS
6. SECTION 109 OF THE HOUSING AND COMMUNITY DEVELOPMENT ACT OF
1974
7. SECTION 3 OF THE HOUSING AND URBAN DEVELOPMENT ACT OF 1968 -
COMPLIANCE IN THE PROVISION OF TRAINING, EMPLOYMENT AND
BUSINESS OPPORTUNITIES (Section 3 Clause)
8. SECTION 503 OF THE REHABILITATION ACT OF 1973 (29 USC 793)
9. SECTION 504 OF THE REHABILITATION ACT OF 1973, AS AMENDED
10. AGE DISCRIMINATION ACT OF 1975
11. CERTIFICATION OF COMPLIANCE WITH AIR AND WATER ACTS
12. SPECIAL CONDITIONS PERTAINING TO HAZARDS, SAFETY STANDARDS AND
ACCIDENT PREVENTION
13. FLOOD DISASTER PROTECTION
14. ACCESS TO RECORDS - MAINTENANCE OF RECORDS
15. INSPECTION
16. REPORTING REQUIREMENTS
17. CONFLICT OF INTEREST
18. ACTIVITIES AND CONTRACTS NOT SUBJECT TO EXECUTIVE ORDER 11246,
AS AMENDED
19. PATENTS
20. COPYRIGHT
21. TERMINATION FOR CAUSE
22. TERMINATION FOR CONVENIENCE
23. ENERGY EFFICIENCY
24. SUBCONTRACTS
25. DEBARMENT, SUSPENSION, AND INELIGIBILITY
26. PROTECTION OF LIVES AND HEALTH
27. BREACH OF CONTRACT TERMS
28. PROVISIONS REQUIRED BY LAW DEEMED INSERTED
29. CHANGES
30. PERSONNEL
31. ANTI-KICKBACK RULES
32. ASSIGNABILITY
33. INTEREST OF SUB-RECIPIENT
34. POLITICAL ACITIVITY
35. COMPLIANCE WITH THE OFFICE OF MANAGEMENT AND BUDGET
36. DISCRIMINATION DUE TO BELIEFS
37. CONFIDENTIAL FINDINGS
38. LOBBYING

- 39. FEDERAL LABOR STANDARDS PROVISIONS
- 40. SOLID WASTE DISPOSAL ACT
- 41. CONFIDENTIALITY
- 42. REPAYMENT OF FUNDS
- 43. DUPLICATION OF BENEFITS
- 44. LIMITED ENGLISH PROFICIENCY (LEP)

1. **EQUAL EMPLOYMENT OPPORTUNITY (Equal Opportunity Clause)**
(applicable to contracts and subcontracts exceeding \$10,000)

During the performance of this contract, the Sub-recipient agrees as follows:

- A. The Sub-recipient will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Sub-recipient will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Sub-recipient agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- B. The Sub-recipient will, in all solicitations or advertisements for employees placed by or on behalf of the Sub-recipient, state that all qualified applicants will receive consideration without regard to race, color, religion, sex, or national origin.
- C. The Sub-recipient will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided by the Contract Compliance Officer advising the said labor union or workers' representatives of the Sub-recipient's commitment under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- D. The Sub-recipient will comply with all provisions of Executive Order 11246 of September 24, 1965, as amended, and the rules, regulations, and relevant orders of the Secretary of Labor.
- E. The Sub-recipient will furnish all information and reports required by Executive Order 11246 of September 24, 1965, as amended, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the Department and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and others.

- F. In the event of the Sub-recipient's noncompliance with the non-discrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part and the Sub-recipient may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, as amended, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- G. The Sub-recipient will include the provisions of the sentence immediately preceding paragraph A and the provisions of paragraphs A through G in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, as amended, so that such provisions will be binding upon each Sub-recipient or vendor. The Sub-recipient will take such action with respect to any subcontract or purchase order as the Department may direct as a means of enforcing such provisions, including sanctions for noncompliance. Provided, however, that in the event a Sub-recipient becomes involved in, or is threatened with, litigation with a Sub-recipient or vendor as a result of such direction by the Department, the Sub-recipient may request the United States to enter into such litigation to protect the interest of the United States.

2. **STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
CONSTRUCTION CONTRACT SPECIFICATIONS**
(applicable to contracts and subcontracts exceeding \$10,000)

A. As used in these specifications:

- (1) "Covered area" means the geographical area described in the solicitation from which this contract resulted;
- (2) "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;
- (3) "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.
- (4) "Minority" includes:
 - (a) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
 - (b) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South America or other Spanish Culture or origin, regardless of race);

- (c) Asian and Pacific Islander (all persons having origins in any of the original people of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
 - (d) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).
- B. When the Sub-recipient, or any sub-recipient, at anytime, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract, in excess of \$10,000, the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
- C. If the Sub-recipient is participating (pursuant to 41 CFR 60 4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Sub-recipients must be able to demonstrate their participation in compliance with the provisions of any such Hometown Plan. Each Sub-recipient or Sub-recipient participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Sub-recipients or sub-recipients toward a goal in an approved Plan does not excuse any covered Sub-recipient's or sub-recipient's failure to take good faith efforts to achieve the Plan goals and timetables.
- D. The Sub-recipient shall implement the specific affirmative action standards provided in paragraphs G(1) through G(16) of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Sub-recipient should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered construction Sub-recipients performing contracts in geographical areas where they do not have a federal or federally-assisted construction contract shall apply the minority and female goals established for the geographic area where the contract is being performed. Goals are published periodically in the Federal Register in notice form and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Sub-recipient is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.
- E. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Sub-recipient has a collective bargaining agreement, to refer either minorities or women shall excuse the Sub-recipient's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.

- F. In order for the non-working training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Sub-recipient during the training period, and the Sub-recipient must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
- G. The Sub-recipient shall take specific affirmative action to ensure equal employment opportunity. The evaluation of the Sub-recipient's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Sub-recipient shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
- (1) Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Sub-recipient's employees are assigned to work. The Sub-recipient, where possible, will assign two or more women to each construction project. The Sub-recipient shall specifically ensure that all foremen, superintendents and other on-site supervisory personnel are aware of and carry out the Sub-recipient's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
 - (2) Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Sub-recipient or its unions have employment opportunities available, and maintain a record of the organization's responses.
 - (3) Maintain a current file of the names, addresses, and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source, or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Sub-recipient by the union or, if referred, not employed by the Sub-recipient, this shall be documented in the file with the reason therefore, along with whatever additional actions the Sub-recipient may have taken.
 - (4) Provide immediate written notification to the Director when the union or unions with which the Sub-recipient has a collective bargaining agreement have not referred to the Sub-recipient a minority person or woman sent by the Sub-recipient, or when the Sub-recipient has other information that the union referral process has impeded the Sub-recipient's efforts to meet its obligations.

- (5) Develop on-the-job training opportunities and/or participate in training programs for the area which expressly includes minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Sub-recipient's employment needs, especially those programs funded or approved by the Department of Labor. The Sub-recipient shall provide notice of these programs to the sources compiled under G(2) above.
- (6) Disseminate the Sub-recipient's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Sub-recipient in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on a bulletin board accessible to all employees at each location where construction work is performed.
- (7) Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination, or other employment decisions including specific review of these items with on-site supervisory personnel such as Superintendents, General Foreman, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- (8) Disseminate the Sub-recipient's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Sub-recipient's EEO policy with other Sub-recipients and Sub-recipients with whom the Sub-recipient does or anticipates doing business.
- (9) Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Sub-recipient's recruitment area and employment needs. Not later than one month prior to the date for acceptance of applications for apprenticeship or other training by any recruitment source, the Sub-recipient shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

- (10) Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer, and vacation employment to minority and female youth both on the site and in other areas of a Sub-recipient's work force.
- (11) Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60.3.
- (12) Conduct, at least annually, an inventory and evaluation of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
- (13) Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Sub-recipient's obligations under these specifications are being carried out.
- (14) Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
- (15) Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction Sub-recipients and suppliers, including circulation of solicitation to minority and female Sub-recipient associations and other business associations.
- (16) Conduct a review, at least annually, of all supervisors' adherence to and performance under the Sub-recipient's EEO policies and affirmative action obligations.

H. Sub-recipients are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (G(1) through G(16)). The efforts of a Sub-recipient association, joint Sub-recipient-union, Sub-recipient-community, or other similar group of which the Sub-recipient is a member and participant, may be asserted as fulfilling any one or more of its obligations under G(1) through G(16) of these specifications provided that the Sub-recipient actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Sub-recipient's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Sub-recipient. The obligation shall not be a defense for the Sub-recipient's non-compliance.

- I. A single goal for minorities and a separate single goal for women has been established. The Sub-recipient, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Sub-recipient may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Sub-recipient has achieved its goals for women generally, the Sub-recipient may be in violation of the Executive Order if a specific minority group of women is underutilized).
- J. The Sub-recipient shall not use the goals and timetables or affirmative action standards to discriminate against any persons because of race, color, religion, sex, or national origin.
- K. The Sub-recipient shall not enter into any subcontract with any person or firm debarred from government contracts pursuant to E.O. 11246.
- L. The Sub-recipient shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause including suspension, termination, and cancellation of existing subcontracts as may be imposed or ordered pursuant to E.O. 11246, as amended.
- M. The Sub-recipient, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph G of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Sub-recipient fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60 4.8.
- N. The Sub-recipient shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the government and to keep records. Records shall at least include for each employee, the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number where assigned, social security number, race, sex, status (e.g., mechanic, apprenticeship trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and location at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, Sub-recipients shall not be required to maintain separate records.
- O. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application or requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

3. **NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION**

(applicable to contracts and subcontracts exceeding \$10,000)

- A. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.
- B. The goals and timetables for minority and female participation, expressed in percentage terms for the Sub-recipient's aggregate workforce in each trade on all construction work in the covered area are applicable to all the Sub-recipient's construction work (whether or not it is federal or federally assisted) performed in the covered area. If the Sub-recipient performs construction work in a geographic area located outside of the covered area, it shall apply the goals established for such geographic area where the work is actually performed.

With regard to this second area, the Sub-recipient also is subject to the goals for both its federally involved and non-federally involved construction. The Sub-recipient's compliance with the Executive Order and the regulations in 41 CFR Part 60 4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60 4.3 (a) and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Sub-recipient shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Sub-recipient to Sub-recipient or from project to project for the sole purpose of meeting the Sub-recipient's goals shall be a violation of the contract, the Executive Order, and the regulations in 41 CFR Part 60 4. Compliance with the goals will be measured against the total work hours performed.

- C. The Sub-recipient shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address, and telephone number of the Sub-recipient; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the sub-contract; and the geographical area in which the contract is to be performed.
- D. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is (insert description of the geographical areas where the contract is to be performed, giving the State, parish, and city, if any):

4. **CERTIFICATION OF NONSEGREGATED FACILITIES**

(applicable to contracts and subcontracts exceeding \$10,000)

By the submission of this bid, the bidder, offeror, applicant or Sub-recipient certifies that he/she does not maintain or provide for his/her establishments, and that he/she does not permit employees to perform their services at any location, under his/her control, where segregated facilities are maintained. He/she certifies further that he/she will not maintain or provide for employees any segregated facilities at any of his/her establishments, and he/she will not permit employees to perform their services at any location under his/her control where segregated facilities are maintained. The bidder, offeror, applicant or Sub-recipient agrees that a breach of this certification is a violation of the equal opportunity clause of this contract.

As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation and housing facilities provided for employees which are segregated by explicit directive or are, in fact, segregated on the basis of race, color, religion, or national origin because of habit, local custom, or any other reason.

He/she further agrees that (except where he/she has obtained for specific time periods) he/she will obtain identical certification from proposed sub-recipients prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the equal opportunity clause; that he/she will retain such certifications in his/her files; and that he/she will forward the following notice to such proposed sub-recipients (except where proposed sub-recipients have submitted identical certifications for specific time periods).

5. CIVIL RIGHTS

The Sub-recipient shall comply with the provisions of Title VI of the Civil Rights Act of 1964. No person shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.

6. SECTION 109 OF THE HOUSING AND COMMUNITY DEVELOPMENT ACT OF 1974

The Sub-recipient shall comply with the provisions of Section 109 of the Housing and Community Development Act of 1974. No person in the United States shall on the grounds of race, color, national origin, or sex be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity funded in whole or in part with funds made available under this title. Section 109 further provides that discrimination on the basis of age under the Age Discrimination Act of 1975 or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, as amended, is prohibited.

7. **SECTION 3 OF THE HOUSING AND URBAN DEVELOPMENT ACT OF 1968 - (Section 3 Clause)** (applicable to contracts and subcontracts exceeding \$100,000 funded by Section 3 covered assistance)
- A. The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (section 3). The purpose of section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.
 - B. The parties to this contract agree to comply with HUD's regulations in 24 CFR part 135, which implement Section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the part 135 regulations.
 - C. The Sub-recipient agrees to send to each labor organization or representative of workers with which the Sub-recipient has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the Sub-recipient's commitments under this Section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each, and the name and location of the person(s) taking applications for each of the positions, and the anticipated date the work shall begin.
 - D. The Sub-recipient agrees to include this Section 3 clause in every subcontract subject to compliance with regulations in 24 CFR part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 clause, upon a finding that the Sub-recipient is in violation of the regulations in 24 CFR part 135. The Sub-recipient will not subcontract with any Sub-recipient where the Sub-recipient has notice or knowledge that the Sub-recipient has been found in violation of the regulations in 24 CFR part 135.
 - E. The Sub-recipient will certify that any vacant employment positions, including training positions, that are filled (1) after the Sub-recipient is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR part 135 require employment opportunities to be directed, were not filled to circumvent the Sub-recipient's obligations under 24 CFR part 135.
 - F. Noncompliance with HUD's regulations in 24 CFR part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.

- G. With respect to work performed in connection with Section 3 covered Indian housing assistance, Section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of Section 3 and section 7(b) agree to comply with Section 3 to the maximum extent feasible, but not in derogation of compliance with Section 7(b).

8. **SECTION 503 OF THE REHABILITATION ACT OF 1973 (29 USC 793)**
(applicable to contracts and subcontracts exceeding \$10,000)

- A. The Sub-recipient will not discriminate against any employee or applicant for employment because of physical or mental handicap in regard to any position for which the employee or applicant for employment is otherwise qualified. The Sub-recipient agrees to take affirmative action to employ, advance in employment and otherwise treat qualified handicapped individuals without discrimination based upon their physical or mental handicap in all employment practices such as the following: employment upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship.
- B. The Sub-recipient agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.
- C. In the event of the Sub-recipient's noncompliance with the requirements of this clause, actions for noncompliance may be taken in accordance with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.
- D. The Sub-recipient agrees to post in conspicuous places, available to employees and applicants for employment, notices in a form to be prescribed by the Director, provided by or through the contracting officer. Such notices shall state the Sub-recipient's obligation under the law to take affirmative action to employ and advance in employment qualified handicapped employees and applicants for employment, and the rights of applicants and employees.
- E. The Sub-recipient will notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding, that the Sub-recipient is bound by the terms of Section 503 of the Rehabilitation Act of 1973, and is committed to take affirmative action to employ and advance in employment physically and mentally handicapped individuals.
- F. The Sub-recipient will include the provisions of this clause in every subcontract or purchase order of \$10,000 or more unless exempted by rules, regulations, or orders of the Secretary issued pursuant to Section 503 of the Act, so that such provisions will be

binding upon each Sub-recipient or vendor. The Sub-recipient will take such action with respect to any subcontract or purchase order as the Director of the Office of Federal Contract Compliance Programs may direct to enforce such provisions, including action for noncompliance.

9. SECTION 504 OF THE REHABILITATION ACT OF 1973, AS AMENDED

The Sub-recipient agrees that no otherwise qualified individual with disabilities shall, solely by reason of his disability, be denied the benefits, or be subjected to discrimination including discrimination in employment, any program or activity that receives the benefits from the federal financial assistance.

10. AGE DISCRIMINATION ACT OF 1975

The Sub-recipient shall comply with the provisions of the Age Discrimination Act of 1975. No person in the United States shall, on the basis of age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under, any program or activity receiving federal financial assistance.

11. CERTIFICATION OF COMPLIANCE WITH AIR AND WATER ACTS
(applicable to contracts and subcontracts exceeding \$100,000)

The Sub-recipient and all sub-recipients shall comply with the requirements of the Clean Air Act, as amended, 42 USC 1857 et seq., the Federal Water Pollution Control Act, as amended, 33 USC 1251 et seq., and the regulations of the Environmental Protection Agency with respect thereto, at 40 CFR Part 15, as amended.

In addition to the foregoing requirements, all nonexempt Sub-recipients and sub-recipients shall furnish to the owner, the following:

- A. A stipulation by the Sub-recipient or sub-recipients, that any facility to be utilized in the performance of any nonexempt contract or subcontract, is not listed on the List of Violating Facilities issued by the Environmental Protection Agency (EPA) pursuant to 40 CFR Part 15, as amended.
- B. Agreement by the Sub-recipient to comply with all the requirements of Section 114 of the Clean Air Act, as amended, (42 USC 1857 c 8) and Section 308 of the Federal Water Pollution Control Act, as amended, (33 USC 1318) relating to inspection, monitoring, entry, reports and information, as well as all other requirements specified in said Section 114 and Section 308, and all regulations and guidelines issued there under.
- C. A stipulation that as a condition for the award of the contract, prompt notice will be given of any notification received from the Director, Office of Federal Activities, EPA, indicating that a facility utilized, or to be utilized for the contract, is under consideration to be listed on the EPA List of Violating Facilities.

- D. Agreement by the Sub-recipient that he will include, or cause to be included, the criteria and requirements in paragraph (1) through (4) of this section in every nonexempt subcontract and requiring that the Sub-recipient will take such action as the government may direct as a means of enforcing such provisions.

12. **SPECIAL CONDITIONS PERTAINING TO HAZARDS, SAFETY STANDARDS AND ACCIDENT PREVENTION**

A. **Lead-Based Paint Hazards**

The construction or rehabilitation of residential structures is subject to the HUD Lead-Based Paint regulations, 24 CFR Part 35. The Sub-recipient and sub-recipients shall comply with the provisions for the elimination of lead-based paint hazards under Subpart B of said regulations. The Owner will be responsible for the inspections and certifications required under Section 35.14 (f) thereof.

B. **Use of Explosives**

When the use of explosives is necessary for the prosecution of the work, the Sub-recipient shall observe all local, state and federal laws in purchasing and handling explosives. The Sub-recipient shall take all necessary precaution to protect completed work, neighboring property, water lines, or other underground structures. Where there is danger to structures or property from blasting, the charges shall be reduced and the material shall be covered with suitable timber, steel or rope mats.

The Sub-recipient shall notify all owners of public utility property of intention to use explosives at least 8 hours before blasting is done close to such property. Any supervision or direction of use of explosives by the engineer does not in any way reduce the responsibility of the Sub-recipient or his Surety for damages that may be caused by such use.

C. **Danger Signals and Safety Devices (Modify as Required)**

The Sub-recipient shall make all necessary precautions to guard against damages to property and injury to persons. He shall put up and maintain in good condition, sufficient red or warning lights at night, suitable barricades and other devices necessary to protect the public. In case the Sub-recipient fails or neglects to take such precautions, the Owner may have such lights and barricades installed and charge the cost of this work to the Sub-recipient. Such action by the Owner does not relieve the Sub-recipient of any liability incurred under these specifications or contract.

13. **FLOOD DISASTER PROTECTION**

This contract is subject to the requirements of the Flood Disaster Protection Act of 1973 (P.L. 93 234). Nothing included as a part of this contract is approved for acquisition or construction purposes as defined under Section 3(a) of said Act, for use in an area identified by the Secretary of HUD as having special flood hazards which is located in a community not then in compliance with the requirements for participation in the National Flood Insurance Program pursuant to Section 201(d) of said Act; and the use of any assistance provided under this contract for such acquisition for construction in such identified areas in communities then participating in the National Flood Insurance Program shall be subject to the mandatory purchase of flood insurance requirements or Section 102(a) of said Act.

Any contract or agreement for the sale, lease, or other transfer of land acquired, cleared or improved with assistance provided under this Contract shall contain, if such land is located in an area identified by the Secretary as having special flood hazards and in which the sale of flood insurance has been made available under the National Flood Insurance Act of 1968, as amended, 42 U.S.C. 4001 et seq., provisions obligating the transferee and its successors or assigns to obtain and maintain, during the ownership of such land, such flood insurance as required with respect to financial assistance for acquisition or construction purposes under Section 102(a) of Flood Disaster Protection Act of 1973.

14. ACCESS TO RECORDS - MAINTENANCE OF RECORDS

The Department of Housing and Urban Development, the Comptroller General of the United States, or any of their duly authorized representatives, shall have access to any books, documents, papers and records of the Sub-recipient which are directly pertinent to this specific contract, for the purpose of audits, examinations, and making excerpts and transcriptions. All records connected with this contract will be maintained in a central location by the unit of local government and will be maintained for a period of five (5) years from the official date of the final closeout of the grant.

15. INSPECTION

The authorized representative and agents of the Department of Housing and Urban Development shall be permitted to inspect all work, materials, payrolls, records of personnel, invoices of materials, and other relevant data and records.

16. REPORTING REQUIREMENTS

The Sub-recipient shall complete and submit all reports, in such form and according to such schedule, as may be required by the Owner.

17. CONFLICT OF INTEREST

- A. No officer or employee of the local jurisdiction or its designees or agents, no member of the governing body, and no other public official of the locality who his/her tenure or for one year thereafter, shall have any interest, direct or indirect, in any contract or subcontract, or the proceeds thereof, for work to be performed. Further, the Sub-recipient shall cause to be incorporated in all subcontracts the language set forth in this paragraph prohibiting conflict of interest.
- B. No member of or delegate to Congress, or Resident Commissioner, shall be admitted to any share or part of this contract or to any benefit that may arise there from, but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

18. ACTIVITIES AND CONTRACTS NOT SUBJECT TO EXECUTIVE ORDER 11246, AS AMENDED
(applicable to contracts and subcontracts of \$10,000 and under)

During the performance of this contract, the Sub-recipient agrees as follows:

- A. The Sub-recipient shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Sub-recipient shall take affirmative action to ensure that applicants for employment are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
- B. The Sub-recipient shall post in conspicuous places, available to employees and applicants for employment, notices to be provided by Contracting Officer setting forth the provisions of this non-discrimination clause. The Sub-recipient shall state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.
- C. Sub-recipients shall incorporate foregoing requirements in all subcontracts.

19. PATENTS

- A. The Sub-recipient shall hold and save the Owner and its officers, agents, servants, and employees harmless from liability of any nature or kind, including cost and expenses for, or on account of any patented or unpatented invention, process, article, or appliance manufactured or used in the performance of the contract including its use by the Owner, unless otherwise specifically stipulated in the Contract Document.
- B. License or Royalty Fees: License and/or Royalty Fees for the use of a process which is authorized by the Owner of the project must be reasonable, and paid to the holder of the

patent, or his authorized license, direct by the Owner and not by or through the Sub-recipient.

- C. If the Sub-recipient uses any design device or materials covered by letters, patent or copyright, he shall provide for such use by suitable agreement with the owner of such patented or copy-righted design device or material. It is mutually agreed and understood, that without exception the contract prices shall include all royalties or costs arising from the use of such design, device or materials, in any way involved in the work. The Sub-recipient and/or his Sureties shall indemnify and save harmless the Owner of the project from any and all claims for infringement by reason of the use of such patented or copy-righted design, device or materials or any trademark or copy-right in connection with work agreed to be performed under this contract, and shall indemnify the Owner for any cost, expense, or damage which it may be obliged to pay by reason of such infringement at any time during the prosecution of the work or after completion of the work.

20. **COPYRIGHT**

No materials, to include but not limited to reports, maps, or documents produced as a result of this contract, in whole or in part, shall be available to the Sub-recipient for copy-right purposes. Any such materials produced as a result of this contract that might be subject to copyright shall be the property of the Owner and all such rights shall belong to the Owner.

21. **TERMINATION FOR CAUSE**

If, through any cause, the Sub-recipient shall fail to fulfill in a timely and proper manner his obligations under this contract, or if the Sub-recipient shall violate any of the covenants, agreements, or stipulations of this contract, the Owner shall thereupon have the right to terminate this contract by giving written notice to the Sub-recipient of such termination and specifying the effective date thereof, at least five (5) days before the effective date of such termination. In such event, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs, and reports prepared by the Sub-recipient under this contract shall, at the option of the Owner, become the Owner's property and the Sub-recipient shall be entitled to receive just and equitable compensation for any work satisfactorily completed hereunder. Notwithstanding the above, the Sub-recipient shall not be relieved of liability to the Owner for damages sustained by the Owner by virtue of any breach of the contract by the Sub-recipient, and the Owner may withhold any payments to the Sub-recipient for the purpose of set-off until such time as the exact amount of damages due the Owner from the Sub-recipient is determined.

22. **TERMINATION FOR CONVENIENCE**

The Owner may terminate this contract at any time by giving at least ten (10) days notice in writing to the Sub-recipient. If the contract is terminated by the Owner as provided herein, the Sub-recipient will be paid for the time provided and expenses incurred up to the termination date.

23. ENERGY EFFICIENCY

The Sub-recipient shall comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Public Law 94-163).

24. SUBCONTRACTS

- A. The Sub-recipient shall not enter into any subcontract with any contractor who has been debarred, suspended, declared ineligible, or voluntarily excluded from participating in contacting programs by any agency of the United States Government or the State of Louisiana.
- B. The Sub-recipient shall be as fully responsible to the Owner for the acts and omissions of the Sub-recipient's sub-recipients, and of persons either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by the Sub-recipient.
- C. The Sub-recipient shall cause appropriate provisions to be inserted in all subcontracts relative to the work to bind contractor to the Sub-recipient by the terms of the contract documents insofar as applicable to the work of sub-recipients and to give the Sub-recipient the same power as regards terminating any subcontract that the Owner may exercise over the Sub-recipient under any provision of the contract documents.
- D. Nothing contained in this contract shall create any contractual relation between any Sub-recipient and the Owner.

25. DEBARMENT, SUSPENSION, AND INELIGIBILITY

The Sub-recipient represents and warrants that it and its sub-recipients are not debarred, suspended, or placed in ineligibility status under the provisions of 2 CFR 200.213 (government debarment and suspension regulations).

26. PROTECTION OF LIVES AND HEALTH

The Sub-recipient shall exercise proper precaution at all times for the protection of persons and property and shall be responsible for all damages to persons or property, either on or off the worksite, which occur as a result of his prosecution of the work. The safety provisions of applicable laws and building and construction codes, in addition to specific safety and health regulations described by Chapter XIII, Bureau of Labor

Standards, Department of Labor, Part 1518, Safety and Health Regulations for Construction, as outlined in the Federal Register, Volume 36, No. 75, Saturday, April 17, 1971, Title 29 - LABOR, shall be observed and the Sub-recipient shall take or cause to be taken, such additional safety and health measures as the Owner may determine to be reasonably necessary.

27. BREACH OF CONTRACT TERMS

Any violation or breach of terms of this contract on the part of the Sub-recipient or the Sub-recipient's sub-recipients may result in the suspension or termination of this contract or such other action that may be necessary to enforce the rights of the parties of this contract. The duties and obligations imposed by the contract documents and the rights and remedies available there under shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law.

28. PROVISIONS REQUIRED BY LAW DEEMED INSERTED

Each and every provision of law and clause required by law to be inserted in this contract shall be deemed to be inserted herein and the contract shall be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the application of either party the contract shall forthwith be physically amended to make such insertion or correction.

29. CHANGES

The Owner may, from time to time, request changes in the scope of the services of the Sub-recipient to be performed hereunder. Such changes, including any increase or decrease in the amount of the Sub-recipient's compensation which are mutually agreed upon by and between the Owner and the Sub-recipient, shall be incorporated in written and executed amendments to this Contract.

30. PERSONNEL

The Sub-recipient represents that it has, or will secure at its own expense, all personnel required in performing the services under this Contract. Such personnel shall not be employees of or have any contractual relationship with the Owner.

All the services required hereunder will be performed by the Sub-recipient or under its supervision, and all personnel engaged in the work shall be fully qualified and shall be authorized or permitted under State and local law to perform such services.

No person who is serving sentence in a penal or correctional institution shall be employed on work under this Contract.

31. ANTI-KICKBACK RULES

Salaries of personnel performing work under this Contract shall be paid unconditionally and not less often than once a month without payroll deduction or rebate on any account except only such payroll deductions as are mandatory by law or permitted by the applicable regulations issued by the Secretary of Labor pursuant to the "Anti-Kickback Act" of June 13, 1934 (48 Stat. 948; 62 Stat. 740; 63 Stat. 108; Title 18 U.S.C. 874; and Title 40 U.S.C. 276c). The Sub-recipient shall comply with all applicable "Anti-Kickback" regulations and shall insert appropriate provisions in all subcontracts covering work under this contract to insure compliance by the sub-recipients with such regulations, and shall be responsible for the submission of affidavits required of sub-recipients there under except as the Secretary of Labor may specifically provide for variations of or exemptions from the requirements thereof.

32. ASSIGNABILITY

The Sub-recipient shall not assign any interest in this Contract, and shall not transfer any interest in the same (whether by assignment or novation) without prior written approval of the Owner provided that claims for money due or to become due the Sub-recipient from the Owner under this Contract may be assigned to a bank, trust company, or other financial institution, or to a Trustee in Bankruptcy, without such approval. Notice of any such assignment or transfer shall be furnished promptly to the Owner.

33. INTEREST OF SUB-RECIPIENT

The Sub-recipient covenants that he presently has no interest and shall not acquire any interest direct or indirect in the above described project or any parcels therein or any other interest which would conflict in any manner or degree with the performance of his services hereunder. The Sub-recipient further covenants that in the performance of this Contract no person having any such interest shall be employed.

34. POLITICAL ACTIVITY

The Sub-recipient will comply with the provisions of the Hatch Act (5 U.S.C. 1501 et seq.), which limits the political activity of employees.

35. COMPLIANCE WITH THE OFFICE OF MANAGEMENT AND BUDGET

The parties agree to comply with the regulations, policies, guidelines, and requirements of the Office of Management and Budget, Circulars 2 CFR 200, as they relate to the use of Federal funds under this contract.

36. DISCRIMINATION DUE TO BELIEFS

No person with responsibilities in operation of the project to which this grant relates will discriminate with respect to any program participant or any applicant for participation in such program because of political affiliation or beliefs.

37. CONFIDENTIAL FINDINGS

All of the reports, information, data, etc., prepared or assembled by the Sub-recipient under this Contract are confidential, and the Sub-recipient agrees that they shall not be made available to any individual or organization without prior written approval of the Owner.

38. LOBBYING

The Sub-recipient certifies, to the best of his or her knowledge and belief that:

1. No federally appropriated funds have been paid or will be paid, by or on behalf of the Sub-recipient, to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
2. If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the Sub-recipient shall complete and submit Standard Form LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

39. FEDERAL LABOR STANDARDS PROVISIONS

The Sub-recipient shall abide by the requirements of the Federal Labor Standards Provisions (form HUD-4010) as follows.

**Federal Labor Standards Provisions
U.S. Department of Housing and Urban Development
Office of Labor Relations**

Applicability

The Project or Program to which the construction work covered by this contract pertains is being assisted by the United States of America and the following Federal Labor Standards Provisions are included in this Contract pursuant to the provisions applicable to such Federal assistance.

A. 1. (i) Minimum Wages. All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Sub-recipient and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period.

Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFR 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Sub-recipient and its sub-recipients at the site of the work in a prominent and accessible, place where it can be easily seen by the workers.

(ii) (a) Any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(b) If the Sub-recipient and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. every additional classification action within 30 days of receipt and so advise HUD or its designee

or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB control number 1215-0140.)

(c) In the event the Sub-recipient, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)

(d) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(ii)(b) or (c) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Sub-recipient shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the Sub-recipient does not make payments to a trustee or other third person, the Sub-recipient may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the Sub-recipient, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Sub-recipient to set aside in a separate account assets for the meeting of obligations under the plan or program. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)

2. Withholding. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the Sub-recipient under this contract or any other Federal contract with the same prime Sub-recipient, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime Sub-recipient so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by the Sub-recipient or any contractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee or helper, employed or working on the site of the work, all or part of the wages required by the contract, HUD or its designee may, after written notice to the Sub-recipient, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the Sub-recipient, disburse such amounts withheld for and on account of the Sub-recipient or Sub-recipient to the respective

employees to whom they are due. The Comptroller General shall make such disbursements in the case of direct Davis-Bacon Act contracts.

3. (i) Payrolls and basic records. Payrolls and basic records relating thereto shall be maintained by the Sub-recipient during the course of the work preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in Section I(b)(2)(B) of the Davis-bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5 (a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section I(b)(2)(B) of the Davis-Bacon Act, the Sub-recipient shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Sub-recipients employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs. (Approved by the Office of Management and Budget under OMB Control Numbers 1215-0140 and 1215-0017.)

(ii) (a) The Sub-recipient shall submit weekly for each week in which any contract work is performed a copy of all payrolls to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the Sub-recipient will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i). This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal Stock Number 029-005-00014-1), U.S. Government Printing Office, Washington, DC 20402. The prime Sub-recipient is responsible for the submission of copies of payrolls by all sub-recipients. (Approved by the Office of Management and Budget under OMB Control Number 1215-0149.)

(b) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Sub-recipient or Sub-recipient or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be maintained under 29 CFR 5.5 (a)(3)(i) and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(c) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by subparagraph A.3.(ii)(b).

(d) The falsification of any of the above certifications may subject the Sub-recipient or Sub-recipient to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.

(iii) The Sub-recipient or contractor shall make the records required under subparagraph A.3.(i) available for inspection, copying, or transcription by authorized representatives of HUD or its designee or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the Sub-recipient or Sub-recipient fails to submit the required records or to make them available, HUD or its designee may, after written notice to the Sub-recipient, sponsor, applicant or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and Trainees.

(i) **Apprentices.** Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program; but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Sub-recipient as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a Sub-recipient is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or sub-recipient's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a

percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the Sub-recipient will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate that is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Sub-recipient will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under 29 CFR Part 5 shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

5. Compliance with Copeland Act requirements. The Sub-recipient shall comply with the requirements of 29 CFR Part 3 which are incorporated by reference in this contract

6. Subcontracts. The Sub-recipient or Sub-recipient will insert in any subcontracts the clauses contained in subparagraphs 1 through 11 of this paragraph A and such other clauses as HUD or its designee may by appropriate instructions require, and a copy of the applicable prevailing wage decision, and also a clause requiring the sub-recipients to include these clauses in any lower tier

subcontracts. The prime Sub-recipient shall be responsible for the compliance by any Sub-recipient or lower tier Sub-recipient with all the contract clauses in this paragraph.

7. Contract termination; debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract and for debarment as a Sub-recipient and a Sub-recipient as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act Requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Sub-recipient (or any of its sub-recipients) and HUD or its designee, the U.S. Department of Labor, or the employees or their representatives.

10. (i) Certification of Eligibility. By entering into this contract the Sub-recipient certifies that neither it (nor he or she) nor any person or firm who has an interest in the Sub-recipient's firm is a person or firm ineligible to be awarded Government contracts by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001. Additionally, U.S. Criminal Code, Section 1010, Title 18, U.S.C., "Federal Housing Administration transactions", provides in part: "Whoever, for the purpose of . . . influencing in any way the action of such Administration..... makes, utters or publishes any statement knowing the same to be false..... shall be fined not more than \$5,000 or imprisoned not more than two years, or both."

11. Complaints, Proceedings, or Testimony by Employees. No laborer or mechanic to whom the wage, salary, or other labor standards provisions of this Contract are applicable shall be discharged or in any other manner discriminated against by the Sub-recipient or any contractor because such employee has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or relating to the labor standards applicable under this Contract to his employer.

B. Contract Work Hours and Safety Standards Act. The provisions of this paragraph B are applicable only where the amount of the prime contract exceeds \$100,000. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.

(1) Overtime requirements. No Sub-recipient or Sub-recipient contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in subparagraph (1) of this paragraph, the Sub-recipient and any Sub-recipient responsible therefore shall be liable for the unpaid wages. In addition, such Sub-recipient and Sub-recipient shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in subparagraph (1) of this paragraph, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by the clause set forth in subparagraph (1) of this paragraph.

(3) Withholding for unpaid wages and liquidated damages. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Sub-recipient or contractor under any such contract or any other Federal contract with the same prime contract, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act which is held by the same prime Sub-recipient such sums as may be determined to be necessary to satisfy any liabilities of such Sub-recipient or contractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (2) of this paragraph.

(4) Subcontracts. The Sub-recipient or contractor shall insert in any subcontracts the clauses set forth in subparagraph (1) through (4) of this paragraph and also a clause requiring the sub-recipients to include these clauses in any lower tier subcontracts. The prime Sub-recipient shall be responsible for compliance by any Sub-recipient or lower tier contractor with the clauses set forth in subparagraphs (1) through (4) of this paragraph.

C. Health and Safety. The provisions of this paragraph C are applicable only where the amount of the prime contract exceeds \$100,000.

(1) No laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his health and safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation.

(2) The Sub-recipient shall comply with all regulations issued by the Secretary of Labor pursuant to Title 29 Part 1926 and failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act, 40 USC 3701 et seq.

(3) The Sub-recipient shall include the provisions of this paragraph in every subcontract so that such provisions will be binding on each sub-recipient. The Sub-recipient shall take such action with respect to any subcontract as the Secretary of Housing and Urban Development or the Secretary of Labor shall direct as a means of enforcing such provisions.

40. SOLID WASTE DISPOSAL ACT

The Grantee shall comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements listed below include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) AT 40 CFR part 247 containing the highest percentage of recovered materials, practicable, consistent with maintaining a satisfactory level of competition.

Applicability.(a)(1) This guideline applies to all procurement actions using federal funding and involving items designated by EPA in this part, where the purchase price of the item exceeds \$10,000, the value of the quantity acquired by the preceding fiscal year exceeds \$10,000. This guideline shall require that all solid waste management services procurements are conducted in a manner that maximizes energy and resource recovery. (2) This guideline applies to any public agency using appropriated Federal funds to procure designated items, and to persons contracting with any such agencies with respect to work performed under such contracts. (3) The \$10,000 threshold applies to public agencies as a whole rather than to agency subgroups such as regional offices or sub-agencies of a larger department or agency.

(b) The term *procurement actions* includes:

(1) Purchases made directly by a procuring agency or purchases made directly by any person (e.g., a contractor) in support of work being performed for a procuring agency using federal funds

(2) Any purchases of designated items made "indirectly" by a procuring agency, as in the case of procurements resulting from grants, loans, funds, and similar forms of disbursements of monies.

(c)(1) This guideline does not apply to purchases of designated items which are unrelated to or incidental to Federal funding, i.e., not the direct result of a contract or agreement with, or a grant, loan, or funds disbursement to, a procuring agency.

41. CONFIDENTIALITY

The Sub-Recipient shall comply with the Confidentiality regulations, per 24 CFR 574.440. Per 24 CFR 574.440, "the grantee shall agree, and shall ensure that each project sponsor agrees, to ensure the confidentiality of the name of any individual assisted under this part and any other information regarding individuals receiving assistance." The Sub-recipient shall ensure all documentation and written agreements protect the confidentiality of all individuals/agencies funded or receiving any assistance under this grant.

42. REPAYMENT OF FUNDS

Sub-recipient acknowledges that funds provided through this Agreement are Federal funds administered by HUD and that all funds provided by this Agreement are subject to audit, disallowance, and repayment. Any disagreement with adverse findings by HUD may be challenged pursuant to Federal regulations, however, Sub-recipient shall promptly return to Grantee any and all funds that are found to be ineligible, unallowable, unreasonable, a duplication of benefits, or non-compliance, no matter the cause. This clause shall survive indefinitely the termination of this Agreement for any reason.

43. DUPLICATION OF BENEFITS

The Subrecipient shall not carry out any of the activities under this Agreement in a manner that results in a prohibited duplication of benefits as defined by Section 312 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (42 USC §5155). The Subrecipient must comply with HUD's requirements for duplication of benefits imposed by Federal Register notice on the City (81 Fed. Reg. 36564). The Federal Register notice requires compliance with the following HUD guidance documents: (1) the guidance published by HUD in the Federal Register on November 16, 2011 (76 Fed. Reg. 71060); and (2) the guidance document entitled "HUD Guidance on Duplication of Benefit Requirements and Provision of CDBG Disaster Recover (DR) Assistance," issued on July 25, 2013.

44. LIMITED ENGLISH PROFICIENCY (LEP)

Assistance to Those with Limited English Proficiency. The Subrecipient agrees to take all reasonable actions to communicate with persons who have Limited English Proficiency (LEP) to ensure that such persons have meaningful access and an equal opportunity to participate in the program(s) and/or services funded under this Agreement.

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[EXHIBITS B AND C CONTAINED ON NEXT PAGES]

**EXHIBIT B TO THE COOPERATIVE ENDEAVOR AGREEMENT
BETWEEN
THE CITY OF NEW ORLEANS
AND
TULANE UNIVERSITY
GENTILLY RESILIENCE DISTRICT**



CENTER FOR
BIOENVIRONMENTAL RESEARCH
at Tulane and Xavier Universities

Program description and areas of emphasis. For the past decade, the Tulane-Xavier Center for Bioenvironmental Research (CBR) has undertaken social-ecological (hereafter referred to as "socioecology") research to understand the immediate and long-term effects of Hurricane Katrina on the City of New Orleans, including redevelopment strategies that have reshaped the built and natural environmental landscapes of the City. The CBR urban socioecology program has four areas of emphasis, each focusing on different aspects of the urban environment:

- (1) Urban forestry and associated ecosystem services
- (2) Commensal rodent demography and rodent-borne pathogens
- (3) Socio-demographics and risk perception
- (4) Remote sensing and GIS-based urban analytics with quantitative predictive modeling

Value to the Gentilly Resilience District project. Each sub-program has generated unique assets and resources that position the CBR as a natural partner for the Gentilly Resilience District (GRD) project. The CBR's portfolios of social, ecological, and geophysical datasets are of particular value to the project. The block-scale granularity and city-wide extent of available data offer unparalleled opportunities for detecting and understanding socioecological trends in New Orleans. These data can be mined to describe baseline conditions and to characterize socio-environmental outcomes from planned interventions across the GRD project footprint, with reference to "control" neighborhoods in the City as well as a selection of neighboring areas in Jefferson and St. Bernard Parishes.

Leveraging strategic investments and partnerships. Partnering with the CBR would leverage a decade of federal and international investment, totaling more than \$3M, which has enabled iterative development of time-sensitive resources and data. Since its inception, the CBR urban socioecology program has received consistent support from federal and international funding entities including: the US National Science Foundation (NSF) Research Coordination Network program (2006-2008), the NSF Urban Long Term Research Area-Exploratory program (2009-2011), the NSF Water, Sustainability, and Climate Program (2012-2014), the NSF Coupled-Natural Human Systems Program (2013-2018), and the Swedish Research Council FORMAS (2012-2016). This support has been buoyed by strategic partnerships (described below) and additional programmatic funding from Tulane University.

Partnering with the CBR also would build on a successful record of collaboration with City entities (e.g., the New Orleans Mosquito, Termite, and Rodent Control Board) and strategic relationships with federal and international institutions. The US Forest Service (USFS), for example, has been a key partner in fostering the development of the program through cooperative support of urban forestry initiatives, including the establishment of a network of >500 vegetation survey plots (2010-2011) and repeated inventories of survey plots (2013-2016). The USFS has provided advice on research practices, data analysis, and in-kind support through the provisioning of specialized research equipment. The Stockholm Resilience Centre (SRC) also has been a strategic partner since its establishment in 2007. The SRC, which is widely recognized as the premier international research center on ecological and social resilience, has supported research associates and research exchanges to anchor a collaborative FORMAS-funded program entitled "Socioecological Movements in Urban Ecosystems" that aims to determine how vegetative and demographic change relate to equity and environmental justice in New Orleans, Cape Town, and Stockholm. Ties to the SRC and other

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Resilience Alliance research institutes, like the KTH Royal Institute of Technology in Stockholm and the African Centre for Cities in Cape Town, can better ensure that work undertaken in support of the GRD project will be informed by best practices, and that the approaches taken in New Orleans in turn shape the practices of professional and academic communities worldwide.

Leveraging ongoing efforts. Resources are currently dedicated to studies aiming to determine (1) the extent to which ecological and societal diversity exhibit parallel responses to Katrina-related flooding; and (2) how landscape interventions that influence public health risk in turn shape relationships and interactions between ecological and societal diversity. Assessments are now underway on the composition and structure of ecological and societal communities across New Orleans through GIS-based analyses of landscape and socio-demographic heterogeneity before and after Hurricane Katrina. This work is being undergirded by plot-based inventories of urban tree and understory plant communities at >300 sites. We are also examining the ecology and demography of commensal rodents (e.g., Norway rats, black rats, house mice), which are habitat-dependent reservoirs of zoonotic pathogens, to understand human health outcomes of Katrina-related flooding. Data on rodent demography are being derived from quantitative trapping across nearly 100 blocks across the city, and then combined with population genetic estimates of historical demography and dispersal to infer whether rodents recolonized or persisted in flooded areas of the City. Histological and molecular assays are being conducted to characterize the prevalence of viral and bacterial pathogens carried by commensal rodents. In addition, we are conducting annual mail surveys of >2000 households proximate to vegetation inventories and rodent trapping sites to determine how perceptions of risk compare to physical measures of exposure risk across the City. Importantly, sites and households are being examined in the Gentilly neighborhood (along with nine other areas of the City). Finally, we are uniting information gained from these studies into a spatially-explicit predictive model of rodent demography that will serve as a tool for assessing ecological and human-health outcomes of alternative "intervention" scenarios reflecting habitat suitability, movement, and risk perceptions.

Leveraging data, tools and expertise. The CBR has the data, analytical tools and operational capacity to characterize and track socio-environmental outcomes of the GRD project. The work undertaken by the CBR represents a methodological template that can be further refined to support the needs of the GRD project. Not only can it be adapted for targeted monitoring of key conditions of interest, it can also provide a basis for assessing the extent to which planned interventions achieve desired effects relative to baseline conditions in affected areas (i.e., via before vs. after comparisons) and conditions in nearby and distant "control" neighborhoods (i.e., via intervention vs. control comparisons).

More broadly, the CBR socioecology research program creates opportunities for developing empirically grounded and methodologically consistent metrics that can link the Gentilly project together with related alternative land use and green infrastructure initiatives being executed by NORA and other City entities. Bridging across initiatives would yield benefits that extend well beyond the construction timeline of the GRD project, including long-term assessments of GRD interventions to better ensure maximum delivery of services and performance as well as mitigation of potential hazards over the life of the project. Likewise, the metrics developed for the GRD project can be utilized to help select and track the performance of future green infrastructure investments.

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[EXHIBIT C CONTAINED ON NEXT PAGE]

EXHIBIT C TO THE COOPERATIVE ENDEAVOR AGREEMENT

BETWEEN

THE CITY OF NEW ORLEANS

AND

TULANE UNIVERSITY

NRD PROJECT - SPECIFIC PERFORMANCE METRICS

1. **Reduced Public Health Risk Factors.** TU shall assess the impact of the NDR project on the rodent and mosquito populations in and around the NDR project and identify adaptive management strategies to mitigate related public health risks, and provide an annual report regarding the same.
2. **Increased Biodiversity and Ecosystem Health.** TU shall assess the impact of the NDR project on ecological systems and surveys and identify adaptive management strategies to ensure maintenance of biodiversity and surrounding ecological system health, and provide an annual report regarding the same.
3. **Increased Tree Canopy.** In collaboration with engaged architectural and engineering firms, TU shall assess the increase in the number of non-invasive trees planted in and around identified NDR project sites, and provide an annual report regarding the same.

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[EXHIBIT D CONTAINED ON NEXT PAGE]

**EXHIBIT D TO THE COOPERATIVE ENDEAVOR AGREEMENT
BETWEEN
THE CITY OF NEW ORLEANS
AND
TULANE UNIVERSITY**

TULANE LINE ITEM BUDGET (2017-2022)

Salaries	\$ 281,816
Fringe Benefits	\$ 39,845
Travel	\$ 7,500
Supplies	\$ 7,500
Publications	\$ 2,209
Subcontracts	\$ 217,375
Total Direct Costs	\$ 556,245
Indirect Costs	\$ 183,755
TOTAL COSTS	\$ 740,000

[END OF AGREEMENT]