

**REQUEST FOR PROPOSALS
LARGE SCALE TURNKEY
PHOTOVOLTAIC SOLAR ARRAY
INSTALLATIONS
CITY OF QUINCY, MASSACHUSETTS**

1. SOLICITATION AND PROPOSAL PROCESS

Power Management Company on behalf of The City of Quincy, MA (the "*City*") is issuing this Request for Proposals ("*RFP*") to solicit proposals under M.G.L. c. 25A, § 11C, from solar energy **developers ("*Respondents or Proposers*")** to:

1. Install, own and operate solar photovoltaic energy systems ("Solar Energy Systems" or "Systems") at the following Primary locations. A description of the Primary locations is located in Attachment A to this RFP:
2. Evaluate all available locations for solar photovoltaic energy systems, either ground-mounted or roof-mounted. The City has identified locations of potential suitability for solar photovoltaic generation but will consider additional locations for this purpose if such locations present sound financial benefits.

Proposers may suggest other possible locations and/or a methodology by which other locations would be added to the locations identified in this RFP and the benefits those additional locations would provide to City.

3. Furnish the City with solar-generated electricity at the Primary locations and/or Secondary locations and Additional locations produced by the Systems under a twenty (20) year Power Purchase Agreement ("*PPA*"), inclusive of solar power purchase provisions and solar lease provisions that provides the City with the maximum savings and/or offset for its electrical needs without increasing its current liabilities.

It is the desire of the City to site several Solar Energy Systems for the benefit of its citizens, the environment, and reduce reliance on foreign sources of energy. This Request for Proposals is being issued to allow the City to evaluate multiple options and determine the projects and financial arrangements that best meet the City's interest.

The City is interested in receiving proposals for a system that maximizes the use of all viable locations. The locations are hereafter referred to as the "*Premises*". Respondents are not required to submit proposals for all of the *Premises*. The City will evaluate all proposals and reserve the right to select one or more proposals that provide the best economic solution for the City of Quincy.

Proposals from respondents, as required in accordance with all terms and specifications contained herein, will be received by:

Kathryn Hobin
Director of Purchasing
City of Quincy
1305 Hancock Street
Quincy, MA 02169

Proposals are due on March 15, 2013 no later than 11:00 A.M.

A Non-mandatory Pre-bid Conference will be held on starting February 19, 2013 at 10:00 AM in Quincy City Hall, 1305 Hancock St. Quincy, MA starting in the Purchasing Department.

Proposals must be submitted in a sealed outer package addressed to: Kathryn R. Hobin, CPO, City of Quincy, Purchasing Department, 1305 Hancock Street, Quincy, MA 02169. Within each envelope or package, the respondent shall enclose a cover letter with the signature, name, and title of the person authorized to submit the proposal on behalf of the respondent.

The proposer's proposal shall include a *"Non-Price Proposal"* and a *"Price Proposal"*

- The Non-Price Proposal (five (5) hard copies shall be placed in a separate sealed envelope within the outer package marked with the proposer's *company name*, and plainly marked in the lower left hand corner: **"Solar Energy System Non-Price Proposal."**
- The Price Proposal (five (5) hard shall be placed in a separate sealed envelope within the outer package marked with the proposer's company name and **"Solar Energy System Price Proposal "**

The proposer's proposal shall include their standard or representative proposed Power Purchase Agreement.

All qualifications should be written in ink or typed. If there is any correction with whiteout, the person signing the statement of qualifications must initial the correction.

It is the proposer's responsibility to see that its proposal is delivered within the time and at the place prescribed. Proposals may be withdrawn upon written request (on the letterhead of the proposer and signed by the person signing the proposal) and must be received prior to the Opening. Proposals may be modified in the same manner. No proposal or modification thereof received after the Opening will be considered.

No selected proposer shall discriminate against any employee or applicant for employment because of a physical or mental handicap for any position for which the employee or applicant is qualified and, in the event of noncompliance, the City may declare the selected proposer in breach and take any necessary legal recourse including termination or cancellation of any contract awarded pursuant to this RFP.

The right is reserved, as the interest of the City may require, to reject any or all proposals, to waive any technical defect or informality in proposals received, and to accept or reject any proposal or portion thereof.

All questions regarding this bid should be directed to Kathryn R. Hobin, Purchasing Agent through fax: 617-376-1074 and email: khobin@quincyma.gov and cc: to kimtrillcott@quincyma.gov Questions will be accepted until March 8th, 2013 at 4:00 p.m.

One (1) copy of this RFP will be furnished electronically to Respondents upon request. It is the proposer's responsibility to check prior to the opening for any updates issued as a result of questions or changes needed in this RFP.

2. ATTACHMENTS

Attachment A – City Required Forms

Attachment B - Description of Premises

Attachment C - Municipal Energy Usage Data

Attachment D - Pricing Bid Forms

Attachment E – Compensation of Power Management Company as Project Manager / Consultant

Attachment F - Prevailing Wages

3. GENERAL TERMS AND CONDITIONS

3.1 Receipt and Opening of Proposals. Sealed proposals will be accepted by the City until the time indicated. Then be opened in the presence of at least two witnesses. The City will prepare a listing of responses available for public inspection.

3.2 Form of Response. Proposals must be submitted on and in accordance with the forms attached to this RFP in Attachment A-1. No change shall be made in the phraseology of the form or in the item or items mentioned herein. The proposal must contain the name and proper address of the respondent, be signed by a responsible member of the respondent with his/her signature and official title. Except as otherwise provided in this RFP, responses that are incomplete contain any omissions, erasures, alterations, additions or irregularities of any kind may be rejected.

Submission of a proposal shall be conclusive evidence that the proposer has examined the premises and the PPA and is familiar with all the conditions of this procurement. Upon finding any omissions or discrepancy in the proposal documents, the proposer shall notify the Issuer immediately so that any necessary addenda may be issued. Failure of the proposer to completely investigate the premises and/or to be thoroughly familiar with the contract

documents (including plans, specifications and all addend) shall in no way relieve the proposer from any obligation with respect to the proposal.

3.3 Submission of Non-Price Proposals.

- (a) Packages containing responses must be sealed and addressed as specified in Section 1 above.
- (b) Any respondent may withdraw or modify its proposal by written request at any time prior to the established time of the opening. Telephone responses, amendments or withdrawals will not be accepted.
- (c) After the opening, a respondent may withdraw, but may not modify, its proposal. Negligence on the part of the respondent in preparing the proposal confers no rights for the modification of the proposal after it has been opened.
- (d) Proposals received prior to the opening will be securely kept unopened. No responsibility will attach to an officer or person for the premature opening of a response not properly addressed and identified.
- (e) The City may in its discretion waive any and all informalities or allow the respondent to correct them.

3.4 Minimum Qualifications and Requirements. The proposer must demonstrate that it meets the minimum requirements of this RFP by including the following documents:

- (a) Documentation evidencing that the respondent is responsible, demonstrably possessing the skill, ability and integrity necessary to faithfully perform the work required by a particular contract, based upon a determination of competent workmanship and financial soundness in accordance with M.G.L. c. 149, § 44D.
- (b) All certificates of eligibility and update statements required pursuant to M.G.L. c. 25A, §11C.
- (c) Letter of transmittal, signed by an individual authorized to bind the respondent contractually, certifying that the respondent will, if selected to negotiate the contract with the City, be prepared to promptly and actively participate in such negotiations.
- (d) Certification that the respondent, if ultimately awarded a contract, will guarantee completion of all work required within due dates or the time periods needed.
- (e) Certification that the respondent acknowledges the compensation requirements for the project consultant/managers, Power Management Company.

3.5 Evaluation of Proposals. The City will utilize an evaluation system, rank the qualified respondents and identify the three most qualified respondents. It is the responsibility of each respondent to provide information, evidence or exhibits that clearly demonstrate the

respondent's ability to satisfactorily respond to project requirements and the factors listed on the qualifications forms.

The evaluation process may include verification of references, confirmation of financial information and may include examination of other information, as the City deems appropriate. The City will conduct interviews as required by M.G.L. c. 25A, Sec. 11C, and such additional interviews as it may deem necessary to evaluate the respondents. The City may require public presentations by respondents. The City reserves the right to request or obtain additional information about any and all responses.

The City in accordance with Section 9 of this RFP shall evaluate proposals.

Please note that while City anticipates selecting one firm to provide Systems for each of the Premises, the City reserves the right to select multiple proposals and respondents based on price proposals evaluations, Proposer's qualifications, experience, capacity to deliver and financial capabilities as determined by the City.

3.6 Submission of Price Proposals.

The Price Proposal must include prices and information per Bid Forms as provided in Attachment D. Please note that City requires pricing proposals for the City of Quincy. Such pricing proposals shall further be provided for each location and consolidated for all locations. Respondents must all provide a Schedule of Termination Values for all Systems proposed. Such Schedule of Termination Values is provided in Attachment D.

Although the City will provide every reasonable form of assistance in terms of site access, the proposer shall be responsible for all project costs including, but not limited to: the furnishing of all materials, services, labor, performance and payment bonds, insurance, and other costs incurred in the performance the contract including compensation to the City's project management company, Power Management Company, signed by an individual authorized to bind the proposer contractually.

In the Price Proposal, proposers shall include both the methodology and cost of any annual energy escalators and shall specifically state whether such escalation factors are tied to specific market indices (and identify those market indices).

Proposers must demonstrate that it has fully incorporated into the offered proposal price all financial benefits realized by the proposer from accelerated depreciation, federal and State tax incentives, local utility incentives, solar renewable energy carve-out credits, ISO-New England forward capacity payments, and others, all as applicable.

Best Price Criteria: The "best" response price will be determined by two factors:

- 1) The greatest total financial return to the City over the twenty (20) year period of the agreement. The City is seeking the most beneficial proposal that addresses annual lease payments, discounted electricity pricing or a combination of both that

- provides the best overall value to City; and
- 2) The highest protection to City against future price risk.

After a composite rating has been assigned for each Non-Price proposal on the basis of the evaluation criteria in Section 9 of this RFP, the City shall then review the Price Proposals and determine the most advantageous proposal, taking into consideration the Non-Price Proposal ratings and the price.

3.6 Award and Contract Execution.

Based upon the results of the evaluation of the Non-Price Proposals and interview process (if applicable), a ranking recommendation will be developed and submitted for approval by the respective governing authorities. The City will then review the Price Proposals to determine the economic opportunity offered by each proposer.

The top-ranked proposer(s) from list (considering the non-price and price proposals) will be contacted for negotiation of a PPA. If an agreement cannot be reached, negotiations with other respondents, in order of their ranking, will be conducted until an agreement can be reached. The City reserve the right to waive any and all informalities and to award the proposal on the basis of the above procedures to the respondent it deems most qualified.

All Proposers will be notified in writing of the decision of the City. The successful proposer will execute a PPA in an agreed form. All parties shall use good faith and best efforts in the timely execution of this PPA. Time is of the essence in the execution of the PPA. The City reserve the right to reject any requested changes identified by the proposer at any time.

If the City and the most qualified respondent are unable, within sixty (60) days following the City notice of commencement of negotiations with a respondent (or such longer period of time as the City may deem appropriate), to negotiate a satisfactory PPA contract with that respondent at a price the City determine to be fair, competitive, and reasonable, the City shall continue in compliance with M.G.L. c. 25A, Sec. 11C.

3.7 PPA Requirements. The PPA must demonstrate the respondent's willingness and ability to comply with the following expected contract requirements:

- (a) Guarantee. The selected proposer will be required to guarantee that the System will produce the guaranteed annual electricity output in each contract year, as adjusted by the accepted annual system degradation factor. On the first anniversary of the commercial operation date and each anniversary of the commercial operation date thereafter during the Term (and any extension thereof), the guaranteed annual electricity output shall be decreased by the accepted annual system degradation factor. Proposers shall determine the expected annual electricity output and commit to an annual guaranteed electricity output.

M.G.L. c. 25A § 11C requires that methods for monitoring and guaranteeing electricity generation produced by the Systems shall conform to the most recent Performance Measurement and Verification Protocol (IPMVP) and standards established by the Federal

Energy Management Program of the U.S. Department of Energy. Proposers shall describe in detail its methodology for monitoring, measuring and verifying electricity generation. The City shall require that in the event of an electricity output shortfall in any contract year, the selected proposer shall pay City the retail rate for electricity of the local electric distribution company for each kWh of such verified production shortfall. The City acknowledges that the calculation of any production shortfall will be based on the system availability as determined using the then-current annual weather data from the weather station at the Logan International Airport in Boston, MA. Such weather data shall document the availability and duration of the sun during the specific annual guarantee period. Any alternative methods for addressing production shortfalls for City's consideration must be provided by Proposers in response to this RFP.

(b) *Insurance.* The selected proposers shall be required to provide City with proof of insurance as follows:

The selected firm will purchase and maintain for the term of the PPA or longer as may be required by the PPA, from a company or companies lawfully authorized to do business in the Commonwealth and having a rating no lower than A- (Excellent) from A.M. Best's Key Rating Guide (latest edition in effect at the date of the PPA and at the time of renewal of any policies required by the PPA), the following insurance:

- Commercial general liability insurance (form CG 00 01 or equivalent) in a limit of not less than \$10,000,000 per occurrence, \$10,000,000 per occurrence for personal injury liability, \$20,000,000 general aggregate (applied per job), and \$20,000,000 products and completed operations aggregate written for a period of three years beyond final payment. Commercial general liability insurance shall also include broad form property damage liability and broad form contractual liability.
- Minimum additional \$20,000,000 umbrella for excess liability coverage with terms and conditions that are at least as broad as the underlying liability policies and for concurrent terms with the underlying commercial general liability insurance.
- Professional Liability Insurance, covering errors and omissions, \$2,000,000 each occurrence and \$5,000,000 aggregate limit.
- Commercial automobile liability with a combined single limit of \$1,000,000 with a hired and non-owned endorsement. Personal automobile liability coverage will be acceptable in lieu of commercial automobile coverage only if the vehicle used at the job site is not commercially insured. Limits for personal auto must be at least \$250,000 bodily injury per person, \$500,000 bodily injury per accident, and \$250,000 property damage per accident with an endorsement that the policy covers business related use with an additional \$1,000,000 personal umbrella policy.
- Workers' Compensation coverage as required by Chapter 152 of the Massachusetts General Laws with Employers' Liability limits of \$1,000,000 each accident, \$1,000,000 disease-each employee and \$1,000,000 disease-policy limit.

Additional Insurance Requirements for the Selected Firm:

The selected firm will agree that the Commercial General Liability insurance set forth above shall be primary and non-contributing with respect to any insurance carried by the City's or the selected firm's subcontractor(s) and that the selected firm's insurance policy shall not (i) exclude subcontractors from coverage or (ii) have any restrictions on coverage resulting from subcontractors failing to maintain certain levels of insurance. The insurance shall name the City as additional insured's with coverage at least as broad as the coverage provided to the named insured.

The selected firm will agree that the insurance set forth above shall be written on an occurrence basis, unless the City approves in writing, coverage on a claims-made basis.

Certificates of insurance reasonably acceptable to the City that includes insurance coverage's required and specified above shall be delivered to the City promptly after execution of the PPA. Each policy shall contain all generally applicable conditions, definitions, exclusions and endorsements related to the project.

The certificates and the insurance policies required will contain a provision that coverage's afforded under the policies will not be canceled, modified or allowed to expire until at least thirty (30) days' prior written notice has been given to the City. The City will accept a 10-day notice for cancellation for non-payment of premium as required by insurance company. In the event that any insurance policy providing coverage's required by the PPA will expire during the term of the PPA, the selected firm will, not less than fifteen (15) days prior to the policy's expiration date, deliver to the City's certificates of insurance evidencing renewal of such policies.

The selected firm hereby agrees and acknowledges that the failure to provide and continue in force any insurance required in accordance with the terms of the PPA shall constitute a material breach of the PPA.

(c) *Prevailing Wages.* To the extent applicable, you must be in compliance with Massachusetts "prevailing wage" laws.

(d) *Subcontracting.* Except to the extent contemplated in the proposal and permitted in the contract, the contract will prohibit assignment or subcontracting without the City's express prior approval.

(e) *Bonding.* The selected firm will be required (upon execution of the PPA) to provide the City with 100% payment and performance bonds for this project from a surety company licensed to do business in the Commonwealth and whose name appears on United States Treasury Department Circular 570.

(f) *Indemnification.* The PPA will require that the selected proposer hold harmless and indemnify the City and its officers, agents and employees against all claims, demands, actions and suits (including all attorneys' fees and costs) brought against any of them arising from the contractor's work or any subcontractor's work under the PPA.

(g) *Compliance with Laws.* The contract will require compliance with all federal, state and municipal laws, ordinances, rules and/or regulations, including labor laws and laws against employment discrimination.

(h) *Governing Law; Venue.* The Laws of the Commonwealth of Massachusetts shall govern all PPAs entered into by the City. Any disputes shall be resolved within the venue of the Commonwealth of Massachusetts.

(i) *Standard Contract Terms.* Any PPAs resulting from this RFP shall meet the requirements set forth in M.G.L. c. 25A, § 11C and will include, to the extent required by the City's standard contract terms.

4. PURPOSE

The City's desire to evaluate sites for solar photovoltaic energy systems and purchase solar-generated electricity for use by the City in buildings and facilities located on properties owned by the City. A summary of municipal energy consumption is provided in Attachment C the City of Quincy. The City seek proposals from entities in the business of designing, financing, installing, owning, operating and maintaining solar power electric generation facilities to finance, install, own, operate and maintain solar power electric generation facilities (the "**System**") on various sites defined by the City of Quincy (the "**Project**"). The City's desire to purchase from the selected proposer all of the electricity generated by the Systems for a period of twenty (20) years (the "**Term**").

The selected respondent will own the System and will be responsible for the design, engineering, permitting, installation, testing, operation, maintenance, repair and decommissioning of the System, including, without limitation, procurement of the solar photovoltaic equipment and related services (the "**Solar Energy System Assets****").

The selected respondent will be required to demonstrate prior to execution of the PPA the suitability of Systems at each location, including but not limited to structural integrity of any roof-mounted systems and environmental/code compliance for all Systems.

The selected respondent will be responsible for the payment of the project management consultant's fee as described herein in Attachment E.

In addition, the City seeks assistance in evaluating additional municipal sites for solar photovoltaic energy systems, either ground-mounted or roof-mounted. Proposers are directed to Attachment B-1 for a description of the primary locations as well as potential additional locations identified by City. Respondents may suggest other possible locations and/or a methodology by which other locations would be added to those locations identified in this RFP and the benefits they believe additional sites would provide to City.

It is City's expectation that the System(s) will generate sufficient electric generation that will result in net metering benefits to the City over the life of the contract.

5. PROJECT SITE AND EXISTING SITE CONDITIONS

5.1 Premises Description. The Premises are described in Attachment B-1 attached to this RFP.

5.2 Site Conditions. Before submitting a proposal, each respondent will be responsible for obtaining such additional studies and data concerning conditions (surface, subsurface and underground facilities) at the Premises or otherwise, which may affect the proposer's ability to promptly negotiate the contract if selected, or which the proposer otherwise reasonably deems necessary to develop a proposal to undertake the Project in accordance with the terms and conditions of this RFP.

6. SCOPE OF WORK TO BE ADDRESSED

6.1 Key Project Elements. The selected respondent and each Issuer will enter into an PPA and related property lease agreement pursuant to which the selected respondent will: (a) obtain from the City the right to install, own, operate and maintain the System on the Premises, and (b) sell electric power generated by the System to City.

The selected respondent will be responsible for designing, financing, operating, owning, insuring and maintaining the System, and obtaining all necessary permits and approvals e.g., building permits, (the City will waive permit fees).

At the end of the Term, the selected respondent will retain ownership of the System and be required to remove the System, unless the City decide to either negotiate a new Contract with the selected respondent or exercise any right of purchase that is included in the Contract. The PPA will include a requirement for the posting of a financial assurance mechanism to ensure that the System is removed.

The PPA is a standard performance-based contract involving the generation and purchase of guaranteed quantities of electricity at a specified price. The respondent's proposal must include:

- (a) Expected annual electricity output (kWh/year);
- (b) Minimum guaranteed annual electricity output (kWh/year);
- (c) Annual system degradation factors;
- (d) Annual energy escalator (electric price increase factor); and
- (e) Schedule of termination values with and without removal costs.

It is expected that the selected respondent will pursue tax credits and incentives, rebates, and other benefits that are available and/or may become available in the future. The respondent's proposal shall include a plan for the disposition and/or assignment of: (a) any environmental or other attributes (such as RECs, SRECs, greenhouse gas offsets, or forward capacity market payments) that are generated in connection with the operation of the Systems; (b) any tax credits or incentives generated in connection with the operation of the Systems; and (c) any grants or rebates obtained in connection with the installation of the Systems. The proposal shall address how it will allocate any financial impacts on its Price Proposal caused by

changes in law.

Proposers shall be required to provide, install, own, operate and maintain metering equipment in accordance with specifications and requirements set forth by the local utility distribution company ("LDC") for the purpose of interconnection and net metering. The selected respondent will be required to obtain at its sole cost all approvals and agreements required for interconnection of the System to the LDC System. The selected respondent shall be required to maintain and test the metering device in accordance with applicable LDC requirements for the purpose of interconnection and net metering.

The generation capacity of the Systems generally should not exceed the expected "base load" electricity consumption requirements of the City's municipal facilities. To the extent that generation is not coincident with the City's load, the proposal must include a plan for the disposition of any power in excess of what will be purchased by City's (e.g., net metering, offsets, or sale into the wholesale power market grid).

The respondent's proposal must include a plan to collect energy data at the facilities to assist the City in evaluating the performance of the System(s) and to document performance in accordance with the guarantee.

6.2 Role of the City. To facilitate the development of the Project, it is expected that the contract will require the City to:

- (a) Provide reasonable access to the Premises to obtain data (whether required or reasonably requested by the respondent);
- (b) Grant to the selected respondent sufficient access and occupancy rights to allow the selected respondent to undertake the Project at the Premises;
- (c) Provide access for the installation, maintenance, and ongoing operation of the System;
- (d) To the extent reasonable and appropriate, provide information to the selected respondent to assist in securing any permits for the Project, including but not limited to local board approvals; and
- (e) Cooperate with the selected respondent to the extent reasonable and appropriate on remaining issues with respect to access, construction and interconnection.

7. PROPOSAL REQUIREMENTS

Contents must include:

7.1 Transmittal Letter. Each proposer's response should include a transmittal letter signed by a party authorized to make a formal proposal on behalf of the proposer. The letter shall clearly indicate that the proposer has carefully read all the provisions in the RFP and should include a brief overview of the respondent's proposal. Transmittal letters must also acknowledge receipt and understanding of any Addenda associated with the Project.

7.2 Qualifications.

Company Profile:

- (a) Year founded and number of continuous years in business. Minimum of five (5)-years in

business is required.

- (b) Ownership status (private or publicly-held).
- (c) Number of employees in local branch office at the time of submittal (full-time employees, excluding contractors).
- (d) Corporate Office location
- (e) Local Office location.

Licensing:

- (a) Provide a list of all relevant State-Specific Contracting Licenses held, including classification and number.
- (b) List any Electrical, Structural and/or Mechanical Engineering Licenses held by firm members, including classification and number.

Insurance:

- (a) Provide evidence of the insurance limits held by firm demonstrating respondent's ability to comply with the insurance requirements set forth in Section 3.7 (b) of this RFP.
- (b) Financially viable insurance rating.

Project Team:

- (a) Team leader identification for the entire proposal, including full contact information, office location and key qualifications and professional credentials.
- (b) Identification of each business entity, person or firm involved in the proposal and their role (design, installation, permitting, equipment supply by component, operations and maintenance, etc.)
- (c) Resumes of personnel directly involved with the development of the proposed Systems. Provide evidence of NABCEP-certified INSTALLER, Professional Engineer (P.E.), and Master Electrician.

Safety:

- (a) List your firm's OSHA ratings (Recordable Incidence Rates and Lost Workday Incident Rates) for the past three (3) years.

Capital Finance Structure:

- (a) Provide a description of the relevant financing structure for the proposed Project. Detail any unique features that the firm's model offers in comparison to traditional third-party financing structures.
- (b) Provide a list of five (5) solar PV systems installed by the firm in the Northeast and operating under a power purchase agreement, including the rated capacity in kW per project, length of contract, project name and description, and term remaining on contract.
- (c) Provide evidence that the firm has the ability to secure financing for the total installed cost of the System proposed in response to this RFP. This should be in the form of a commitment letter from the anticipated funding source.

7.3 Solar Project Experience

- (a) List the number, size (in kW DC) and location of PV projects completed in Massachusetts or the Northeast within the past 3 years over 250 kW in size.

- (b) List the total capacity (in kW DC) of operational solar PV installations completed by the firm to date.
- (c) Discuss firm's approach and success in incorporating "renewable energy" into educational curriculum.
- (d) List the total capacity (in kW DC) of solar PV systems installed in the Northeast via the following methods:
 - Roof-mounted systems
 - Carport/Shade Structure mounted systems
 - Ground-mounted systems
- (e) List firm's direct experience with installed solar PV module technologies including brand, module rating and technology type (crystalline, thin-film, etc.). If the firm has any proprietary and/or exclusive corporate affiliation to any materials, equipment, or manufacturers related to the System, please state those relationships.
- (f) Provide a listing of all Massachusetts solar PV projects implemented under M.G.L. c. 25A §111 or 11C and identify whether those projects were contracted under a power purchase agreement/lease agreement or a design-build Power Purchase Agreement.
- (g) Discuss in detail Respondents direct experience interconnecting into LDC distribution system.

7.4 References

- (a) Describe currently operating non-residential grid-connected PV systems greater than 250 kW DC that the firm installed and commissioned within the past three (3) years. A minimum of 5 completed projects must be listed. For each, provide the following information:
 - System Size (kW DC).
 - Host Customer and/or Owner's name with contact person's name, email, address, phone number.
 - Location.
 - Date completed
 - Indicate if the installation was for multiple sites.
 - Any other installation-specific information that may be relevant.
- (b) Briefly describe any currently contracted yet incomplete projects including project size (in kW DC), customer name and contact, and projected completion date.
- (c) List at least one example of a large (at least 100 kW) installation within 100 miles of Quincy, MA that could be visited for a representative sample of the firm's work.

7.5 Proposed Solar PV System for Each of the Premises

- (a) System Components: Include an overview of the proposed photovoltaic system, including brief descriptions of the main components (at a minimum modules, inverters and mounting system). Specification sheets for any proposed technologies are encouraged. Proposals shall list the specific system components for each of the Premises.
- (b) Design: Include Preliminary Drawings for each of the Premises for the proposed solution that include at a minimum:
 - System size (in kW DC and kW AC) List of all

- proposed equipment including mounting system
 - Location of modules (including tilt) Location of inverters
 - Discussion whether the System sizing and configuration is based on a structural analysis or engineering study by a licensed engineer or based on a calculated load analysis.
 - Any other site-specific information that will aid in overall evaluation.
- (c) Structural Issues: Proposers must discuss for each of the Premises its process for handling snow accumulation on roof-mounted systems. Specifically, the City require's a detailed explanation of roles and responsibilities assessing snow loads and for snow removal.
- (d) Schedule: Include a Preliminary Project Implementation Schedule that accounts for milestones in the Design, Construction and Closeout Stages. Milestones should include (at a minimum):
- Award & Contract Negotiation
 - Design Period
 - Permitting
 - Installation
 - LDC Interconnection
 - System Commissioning (Energizing)
 - Delivery of Closeout Documentation
- (e) Interconnection: Please describe Respondent's approach to interconnecting the system to National Grid and/or NSTAR distribution systems. Respondent shall be required to complete all requirements of the specific interconnection process according to tariff requirements.

7.6 System Performance Monitoring, Warranty and Service (O&M) for Each of the Premises

- (a) Monitoring Solution: Indicate how the firm will provide system performance monitoring via a data acquisition system (DAS). Provide a detailed description of the DAS system and provide a detailed description of the end-user interface.
- (b) Warranties: Describe any warranties associated with the install, including full system coverage and/or warranties associated with individual components. Discuss whether such warranties pass to the City upon transfer of ownership.
- (c) Operations & Maintenance Services: The Proposer will provide Operation & Maintenance (O&M) services for the full term of the Contract.
- Describe the proposed O&M procedures for the System, detailing duties performed and if the PPA will be maintained by the selected respondent or a third-party provider.
 - Briefly describe the firm's experience providing such services for similar installations and name the key personnel in charge of handling O&M services.
- (d) Provide a list of systems that are currently under O&M contract with the firm, including the number of MWs per project, length of contract, ownership relationship and project name.

8. PRELIMINARY PROJECT SCHEDULE

Following are key milestones for the Project. Expected dates for their completion should be provided in the response to this RFP. Proposers are encouraged to provide sufficient.

Milestone	Milestone Date (to be provided by proposer)
Initial Design and Structural/Engineering Analysis	
Permitting	
Completion of Balance of System Design	
Secure System Equipment and Assets	
Substantial Completion	
LDC Interconnection	
System Commissioning / Commercial Operation	
Delivery of Closeout Documentation	

9. MINIMUM EVALUATION CRITERIA

At a minimum, respondents shall meet the following requirements:

9.1 Minimum Criteria Requirements

Each of the items listed on the following table shall be marked (Y) if supplied and (N) if not supplied. Proposals that do not contain all items enumerated in Minimum Required Items as set forth below, shall be disqualified prior to further qualification review at the discretion of the City's.

- (a) Bond Capability - Proposers shall provide evidence of bond capability of at least the value of the construction from a surety company Licensed to do business in the Commonwealth and whose name appears on the U.S. Treasury Department Circular 570. Please provide the cost of fee Proposer will include in its electricity pricing for the performance and payment bonds as a percentage of the construction costs.
- (b) Form of legal entity and year entity was established. List any other legal names of the firm.
- (c) Describe any changes in ownership status over the past five (5) years.
- (d) List ultimate parent company, if applicable.
- (e) Financial Statements - Please submit a detailed financial report prepared in accordance with generally accepted accounting principles (GAAP) reflecting

the current (as of the most recent financial statement date) financial condition of the firm. Such report must include a balance sheet; income statement and statement of cash flows, along with applicable footnotes, dated concurrently for at least each of the last preceding three years ending on the most recent fiscal quarter such statements were prepared. Public entities or subsidiaries should attach SEC Form 10-K along with, as applicable, detailed unaudited statements for the submitting firm. Non-public firms may attach either unaudited financial statements or copies of tax forms and schedule that are filed with the Internal Revenue Service where applicable.

- (f) **Lawsuits and Disputes** - Discuss whether your firm has ever been involved in a lawsuit or dispute regarding a contract. If so, please provide all such incidents and describe the circumstances and outcomes of such lawsuit(s) or litigation. Further, please discuss whether your firm has been barred from providing performance based energy services or other services in any states,

(g) **Minimum Prior Experience** - Proposers must have successfully completed at least 2 ground-mounted solar PV installations within the past two (2) years at sized at a minimum of 250 kW.

9.2 General Criteria Requirements

Proposals that meet the above Minimum Requirements will be evaluated against the criteria categories listed below. Proposers are encouraged to reference Section 7 of this RFP for specific proposal requirements that form the basis of the City's evaluation.

- (a) **Approach and Schedule** - The proposal shall include an explanation of how the respondent will approach the various tasks, including scheduling, methods and sources. Proposals should, among other things, describe the quality of the products proposed, a methodology for determining guaranteed energy savings (meaning electricity production), and a proposed timeframe for performance of the contract.
- (b) **Respondent Qualifications and Experience** - Specialized experience is required in a series of work areas. Qualifications must clearly demonstrate full knowledge, understanding, and experience in the methods, techniques and
- Ability to integrate and utilize interdisciplinary study teams effectively on assignments requiring a variety of skills and expertise from in-house resources.
 - Ability to provide the necessary skills and expertise from in-house resources.
 - Demonstrated understanding of structural requirements and environmental conditions and issues.
- (c) **Local Knowledge/Experience** - The respondent must demonstrate knowledge of the locality as evidenced by prior work experience in Massachusetts and/or the New England region.
- (d) **Relevant Specific Knowledge/Experience** - The respondent must clearly demonstrate

experience in permitting and redevelopment with respect to complex sites, including landfills. The City is considering other potential sites for ground-mounted or roof-mounted solar in the City of Quincy. The respondent should clearly demonstrate experience in identifying municipal sites for solar energy projects and conducting feasibility studies.

- (e) Energy and Environmental Experience - Energy and environmental policy experience. The City believes that expert knowledge of relevant energy and environmental laws and regulations (including the Massachusetts Green Communities Act), and experience with implementation of programs related to such laws and regulations, will facilitate the appropriate and efficient planning, structuring, financing and implementation of the Project. The respondent should demonstrate such knowledge and experience.
- (f) Leveraging Project Educational Value - The City is interested in using the Project as an educational tool for schoolchildren and/or community groups. The respondent must demonstrate its experience and explain its approach with respect to leveraging the educational value of solar energy systems.
- (g) Ability to Contribute to Local Economic Development - The City believes that solar energy development can contribute to economic development and job creation/job retention in the City of Quincy. The respondent must demonstrate its willingness to contribute to the local economy including the use of local businesses and workers.

Points will be allocated based on the Proposer's response to the specific information requested in this RFP. The following point system will be applied to the responses and graded based on a scale of unacceptable to superior. The information provided in the non-price and pricing proposals combined with the information provided from references will form the basis of the City's evaluation.

The follow criteria will be used to evaluate the respondent's non-price proposal:

	Available Points	Rating	Points Received
Approach and Schedule	5		
Respondent's Qualifications and Experience	15		
Personnel Qualifications and Availability	15		
Performance Record of Respondent	20		
Project Understanding	10		
Local Knowledge and Experience	5		

Relevant Specific Knowledge and Experience	15		
Energy and Environmental Experience	5		
Leveraging Project Educational Value	5		
Ability to Contribute to Local Economic Development	5		
Total	100		

The above criteria will be weighted using the grading system below:

<i>Weight</i>	Description
0%	Unacceptable - The Proposer did not address the criterion.
20-40%	Not Advantageous - The Proposer addressed the criterion minimally. The detail was insufficient and/or little understanding for the subject was exhibited.
41-60%	Advantageous - The Proposer addressed the criterion adequately ranging from some capability to basic capability for the subject. Information provided was either inconsistent or was missing critical detail where needed.
61-80%	Highly Advantageous - The Proposer addressed the criterion well, had a thorough understanding of the subject and provided a solid presentation of the information requested in the category and its subsections.
100%	Superior - The Proposer addressed the criterion thoroughly, exhibited a superior understanding of the topic and the information supplied demonstrated an outstanding capability in this area.

10. ATTACHMENTS

Attachment A - Proposal Forms

Respondent Information Form
 Tax Compliance/Non Collusion Certificate
 Signature Authorization Form
 Indemnity Agreement
 Certificate relating to Debarment and Suspension
 OSHA-10 Form (2)

Attachment B - Description of Premises

Attachment B-1 - City of Quincy, MA

Attachment C - Municipal Energy Usage Data

Attachment C-1 – City of Quincy, MA

Attachment D - Pricing Bid Forms

Attachment E – Compensation of Power Management Company as Project Manager / Consultant

Attachment F – Prevailing Wages

ATTACHMENT A
CITY OF QUINCY, MA

Attachment A - Proposal Forms

Respondent Information Form
Tax Compliance/Non Collusion Certificate
Signature Authorization Form
Indemnity Agreement
Certificate relating to Debarment and Suspension
OSHA-10 Form (2)

RESPONDENT INFORMATION FORM

The undersigned has read the Request for Proposals (RFP) and has carefully examined all specifications/evaluation criteria therein. The undersigned certifies that he/she has visited the Premises and that there are no known obstacles to prevent the prompt negotiation and execution of an agreement with the City's. The undersigned acknowledges that the City of Quincy, MA may reject all proposals, or waive portions of the RFP for all proposals, if it deems it in the best interests of the public.

Signature: _____

Name: _____

Title: _____

Respondent Information

Name of Respondent: _____

Address: _____

Name of Primary Contact: Title of Primary Contact: _____

Primary Contact Phone Number: _____

Primary Contact Fax Number: _____

Primary Contact Email Address: _____

Addenda Acknowledgement: _____



CITY OF QUINCY
Purchasing Department
1305 Hancock Street, Quincy, MA 02169

Phone: 376-1060

Fax: 376-1074

TAX COMPLIANCE CERTIFICATE
MASS. GENERAL LAWS, CH. 62C, S: 49A(b)

I hereby certify that pursuant to MGL Chapter 62c, section 49a, I have complied with all laws of the Commonwealth of Massachusetts relating to taxes, reporting of employees and contractors, and withholding of child support. This is being signed under the pains and penalties of perjury.

(1) Individual Contractor

(Contractor's Name and Signature)

Social Security Number

(2) Corporation, Association
or Partnership

(Contractor's Name)

Federal Tax ID Number, or
Social Security Number

By:

(Authorized Signature)

CERTIFICATE OF NON – COLLUSION

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union committee, club, or other organization, entity, or group of individuals.

(Name of person signing bid or proposal)
(Please print)

(Signature required)

(Name of business)



CITY OF QUINCY
Purchasing Department
1305 Hancock Street, Quincy, MA 02169

Phone: 376-1060

Fax: 376-1074

SIGNATURE AUTHORIZATION

At a duly authorized meeting of the Board of Directors of the

_____ (NAME OF CORPORATION)

held on _____, at which all the Directors were present or waived notice, it was
(DATE)

VOTED, that:

_____ (NAME) _____ (OFFICER)

of this company, he and he/she hereby is authorized to execute Contracts and Bonds in the name and behalf of said Company, and affix its Corporate Seal thereto, and such execution of any Contract or obligation in this Company's name on its behalf by such _____ under seal of the Company, shall be valid
(OFFICER)

and binding upon this Company. It was further voted that the City of Quincy may rely on such authorization of future Contracts until notified to the contrary.

A true copy,

ATTEST: _____
(CLERK'S SIGNATURE)

PLACE OF BUSINESS: _____

DATE OF THIS CONTRACT: _____

I hereby certify that I am the Clerk of the:

_____ that _____ is the
(COMPANY) (NAME)

duly elected _____ of said Company, and that the above VOTE has not been
(TITLE)

amended or rescinded and remains in full force and effect as of the date of this Contract.

_____ CORPORATE SEAL

INDEMNITY AGREEMENT

In consideration of the award of Contract No. _____
by the City of Quincy, hereinafter referred to as INDEMNITEE, to the CONTRACTOR/BIDDER:
_____.

hereinafter referred to as INDEMNITOR, and for other good and valuable consideration, said INDEMNITOR agrees to hold INDEMNITEE, City of Quincy, and its various department and employees harmless from any and all liability, loss or damage that INDEMNITEE may suffer as the result of claims, demands, costs, including attorneys fees, or judgement or other actions against it by reason of any and all work done by or on behalf of the INDEMNITOR in connection with the above-referenced contract.

INDEMNITOR,

By Duly Authorized Agent

Date: _____.

CERTIFICATION RELATING TO DEBARMENT AND SUSPENSION

The undersigned contractor certifies to the City of Quincy that neither it nor its principals, officers or any affiliated entities has been debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction in accordance with the requirements of OMB Circular A-87 and with Executive Order 12549, "Debarment and Suspension."

Furthermore, the contractor certifies that it shall not make any subcontract or permit any subcontract to be made with any party which is debarred or suspended or is otherwise excluded in accordance with said OMB Circular and with Executive Order 12549.

This certification shall be for the benefit of the City of Quincy and its successors and/or assigns and is binding upon the contractor, its successors and assigned.

Executed under seal this _____ day of _____, _____.

Contractor Name
By its duly authorized agent,

Contract Number _____

(Authorized Signature)

CERTIFICATION OF GENERAL BIDDERS ON PUBLIC CONSTRUCTION
PROJECTS

I. CERTIFICATION REGARDING HEALTH AND SAFETY

The undersigned hereby certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work; that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least ten hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; and that he will comply fully with all laws and regulations application to awards made subject to section 44A.

II. CERTIFICATION REGARDING NON-COLLUSION AND DEBARMENT

The undersigned further certifies under the penalties of perjury that this bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this subsection the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity. The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of section twenty-nine F of chapter twenty-nine, or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated thereunder.

Date: _____

Name of General Bidder

By _____
Signature

Print name and title

Business Address

Street Address City and State

CERTIFICATION OF SUB- BIDDERS (IF ANY) ON PUBLIC CONSTRUCTION
PROJECTS

I. CERTIFICATION REGARDING HEALTH AND SAFETY

The undersigned hereby certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work; that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupation Safety and Health Administration that is at least ten hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; and that he will comply fully with all laws and regulations applicable to awards of subcontracts subject to section 44F.

II. CERTIFICATION REGARDING NON-COLLUSION AND DEBARMENT

The undersigned further certifies under penalties of perjury that this subbid is in all responses bona fide, fair and made without collusion or fraud with any other person. As used in this subsection the "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity. The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of section twenty-nine F of chapter twenty-nine, or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated thereunder.

Date _____

Name of Sub-bidder

By _____
Signature

Print Name and Title

Business Name

Street Address, City and State

**ATTACHMENT B-I
DESCRIPTION OF PREMISES**

CITY OF QUINCY, MA

The sites identified by the City of Quincy, MA for the installation of solar PV systems include:

<u>Building Name</u>	
City Hall	1305 Hancock Street, Quincy Center
City Hall Annex	1305 Hancock Street, Quincy Center
Department of Public Works-Administration	55 Sea Street, Quincy
Department of Public Works-Garage	55 Sea Street, Quincy
Department of Public Works-Carpentry Shop	55 Sea Street, Quincy
Department of Public Works-Fueling Facility	55 Sea Street, Quincy
Police Department Headquarters	One Sea Street, Quincy
Fire Department Headquarters, Engine 1	40 Quincy Avenue
Engine 2	311 Hancock Street
Engine 3	615 Washington Street
Engine 4	111 Beal Street
Engine 5	182 Copeland Street
Engine 6	1082 Sea Street
Engine 7	86 Huckins Avenue
Thomas Crane Public Library	80 Washington Street
Thomas Crane-North Quincy Branch	381 Hancock Street
Thomas Crane-Wollaston Branch	41 Beal Street
Thomas Crane-Adams Shore Branch	519 Sea Street
Parks & Recreation - By Adams Field	1 Merrymouth Parkway
Fore River Club House	16 Nevada Road
Schools:	
Amelio Delia Chiesa, Early Childhood Center	100 Brooks Avenue, W.Quincy
Atherton Hough Elementary School	1084 Sea Street
Beechwood Knoll Elementary School	225 Fenno Street
Lincoln Hancock Elementary School	300 Granite Street
Charles A. Bernazzani Elementary School	701 Furnace Brook Parkway
Clifford H. Marshall Elementary School	200 Moody Street
Merrymount Elementary School	4 Agawam Road
Montclair Elementary School	8 Belmont Street
F.W. Parker Elementary School	148 Billings Road
Snug Harbor Elementary School	333 Palmer Street
Squantum Elementary School	50 Huckins Avenue
Wollaston Elementary School	205 Beale Street
Atlantic Middle School	86 Hollis Avenue
Broad Meadows Middle School	50 Calvin Road
Central Middle School	1012 Hancock Street

Point Webster Middle School	62 Lancaster Street
Sterling Middle School	444 Granite Street
Quincy High School	52 Coddington Street
Center for Technical Education	107 Woodward Avenue
North Quincy High School	316 Hancock Street
GOALS	12 Hunt Street
Department of Public Works-Administration	55 Sea Street
Department of Public Works-Garage	55 Sea Street
Department of Public Works-Carpentry Shop	55 Sea Street
Department of Public Works-Fueling Facility	55 Sea Street
Cemetery Dept., Pine Hills	815 Willard Street
Cemetery Dept. Mt. Wollaston	Sea Street
Hough's Neck Marine Center	137 Bayview Road
Senior Center	440 E. Squantum

ADDITIONAL POTENTIAL LOCATIONS

1. Others as identified by Proposer

**ATTACHMENT C-1
MUNICIPAL ENERGY USAGE DATA
CITY OF QUINCY, MA**

ATTACHMENT D

PRICING BID FORMS

Pricing must be provided as follows:

1. Pricing for each location for the City of Quincy
2. Combined pricing for all locations for the City of Quincy
3. Schedule of Termination Values for the City of Quincy

Proposers shall provide pricing for all proposed Locations. Optional proposals are encouraged for the Additional Locations identified by City's and other locations identified by Proposer.

CITY OF QUINCY, MA

SAMPLE FORMAT

CITY OF QUINCY, MA

SUMMARY PRICING FOR ALL SYSTEMS

Year	Unit Price (\$/kWh)	Escalation Rate (%)	Extended Price (\$/kWh)	Guaranteed Minimum Output (kWh/yr)	Annual Cost (\$)
1			\$0.0000		\$0.00
2			\$0.0000		\$0.00
3			\$0.0000		\$0.00
4			\$0.0000		\$0.00
5			\$0.0000		\$0.00
6			\$0.0000		\$0.00
7			\$0.0000		\$0.00
8			\$0.0000		\$0.00
9			\$0.0000		\$0.00
10			\$0.0000		\$0.00
11			\$0.0000		\$0.00
12			\$0.0000		\$0.00
13			\$0.0000		\$0.00
14			\$0.0000		\$0.00
15			\$0.0000		\$0.00
16			\$0.0000		\$0.00
17			\$0.0000		\$0.00
18			\$0.0000		\$0.00
19			\$0.0000		\$0.00
20			\$0.0000		\$0.00

SAMPLE FORMAT

CITY OF QUINCY, MA

PRICING FOR SYSTEM 1 LOCATED AT:

(Input in gray shaded areas only)

Year	Unit Price (\$/kWh)	Escalation Rate (%)	Extended Price (\$/kWh)	Guaranteed Minimum Output (kWh/yr)	Annual Cost (\$)
1			\$0.0000		\$0.00
2			\$0.0000		\$0.00
3			\$0.0000		\$0.00
4			\$0.0000		\$0.00
5			\$0.0000		\$0.00
6			\$0.0000		\$0.00
7			\$0.0000		\$0.00
8			\$0.0000		\$0.00
9			\$0.0000		\$0.00
10			\$0.0000		\$0.00
11			\$0.0000		\$0.00
12			\$0.0000		\$0.00
13			\$0.0000		\$0.00
14			\$0.0000		\$0.00
15			\$0.0000		\$0.00
16			\$0.0000		\$0.00
17			\$0.0000		\$0.00
18			\$0.0000		\$0.00
19			\$0.0000		\$0.00
20			\$0.0000		\$0.00

SAMPLE FORMAT

CITY OF QUINCY, MA

PRICING FOR SYSTEM 3 LOCATED AT:

(input in gray shaded areas < >nl)

Year	Unit Price (\$/kWh)	Escalation Rate (%)	Extended Price (\$/kWh)	Guaranteed Minimum Output (kWh/yr)	Annual Cost (\$)
1			\$0.0000		\$0.00
2			\$0.0000		\$0.00
3			\$0.0000		\$0.00
4			\$0.0000		\$0.00
5			\$0.0000		\$0.00
6			\$0.0000		\$0.00
7			\$0.0000		\$0.00
8			\$0.0000		\$0.00
9			\$0.0000		\$0.00
10			\$0.0000		\$0.00
11			\$0.0000		\$0.00
12			\$0.0000		\$0.00
13			\$0.0000		\$0.00
14			\$0.0000		\$0.00
15			\$0.0000		\$0.00
16			\$0.0000		\$0.00
17			\$0.0000		\$0.00
18			\$0.0000		\$0.00
19			\$0.0000		\$0.00
20			\$0.0000		\$0.00

CITY OF QUINCY, MA
SAMPLE FORMAT

CITY OF QUINCY, MA

PRICING FOR SYSTEM 4 LOCATED AT:

Year	Unit Price (\$/kWh)	Escalation Rate (%)	Extended Price (\$/kWh)	Guaranteed Minimum Output (kWh/yr)	Annual Cost (\$)
1			\$0.0000		\$0.00
2			\$0.0000		\$0.00
3			\$0.0000		\$0.00
4			\$0.0000		\$0.00
5			\$0.0000		\$0.00
6			\$0.0000		\$0.00
7			\$0.0000		\$0.00
8			\$0.0000		\$0.00
9			\$0.0000		\$0.00
10			\$0.0000		\$0.00
11			\$0.0000		\$0.00
12			\$0.0000		\$0.00
13			\$0.0000		\$0.00
14			\$0.0000		\$0.00
15			\$0.0000		\$0.00
16			\$0.0000		\$0.00
17			\$0.0000		\$0.00
18			\$0.0000		\$0.00
19			\$0.0000		\$0.00
20			\$0.0000		\$0.00

(Input in gray shaded areas only)

CITY OF QUINCY, MA

SAMPLE FORMAT

PRICING FOR SYSTEM 5 LOCATED AT: (Input in gray shaded areas only)

Year	Unit Price (\$/kWh)	Escalation Rate (%)	Extended Price (\$/kWh)	Guaranteed Minimum Output (kWh/yr)	Annual Cost (\$)
1			\$0.0000		\$0.00
2			\$0.0000		\$0.00
3			\$0.0000		\$0.00
4			\$0.0000		\$0.00
5			\$0.0000		\$0.00
6			\$0.0000		\$0.00
7			\$0.0000		\$0.00
8			\$0.0000		\$0.00
9			\$0.0000		\$0.00
10			\$0.0000		\$0.00
11			\$0.0000		\$0.00
12			\$0.0000		\$0.00
13			\$0.0000		\$0.00
14			\$0.0000		\$0.00
15			\$0.0000		\$0.00
16			\$0.0000		\$0.00
17			\$0.0000		\$0.00
18			\$0.0000		\$0.00
19			\$0.0000		\$0.00
20			\$0.0000		\$0.00

CITY OF QUINCY, MA

SAMPLE FORMAT

PRICING FOR SYSTEM 6 LOCATED AT:

(Input in gray shaded areas only)

Year	Unit Price (\$/kWh)	Escalation Rate (%)	Extended Price (\$/kWh)	Guaranteed Minimum Output (kWh/yr)	Annual Cost (\$)
1			\$0.0000		\$0.00
2			\$0.0000		\$0.00
3			\$0.0000		\$0.00
4			\$0.0000		\$0.00
5			\$0.0000		\$0.00
6			\$0.0000		\$0.00
7			\$0.0000		\$0.00
8			\$0.0000		\$0.00
9			\$0.0000		\$0.00
10			\$0.0000		\$0.00
11			\$0.0000		\$0.00
12			\$0.0000		\$0.00
13			\$0.0000		\$0.00
14			\$0.0000		\$0.00
15			\$0.0000		\$0.00
16			\$0.0000		\$0.00
17			\$0.0000		\$0.00
18			\$0.0000		\$0.00
19			\$0.0000		\$0.00
20			\$0.0000		\$0.00

CITY OF QUINCY, MA

SAMPLE FORMAT

PRICING FOR SYSTEM 7 LOCATED AT:

(Input in gray shaded areas only)

Year	Unit Price (\$/kWh)	Escalation Rate (%)	Extended Price (\$/kWh)	Guaranteed Minimum Output (kWh/yr)	Annual Cost (\$)
1			\$0.00000		\$0,000
2			\$0.00000		\$0,000
3			\$0.00000		\$0,000
4			\$0.00000		\$0,000
5			\$0.00000		\$0,000
6			\$0.00000		\$0,000
7			\$0.00000		\$0,000
8			\$0.00000		\$0,000
9			\$0.00000		\$0,000
10			\$0.00000		\$0,000
11			\$0.00000		\$0,000
12			\$0.00000		\$0,000
13			\$0.00000		\$0,000
14			\$0.00000		\$0,000
15			\$0.00000		\$0,000
16			\$0.00000		\$0,000
17			\$0.00000		\$0,000
18			\$0.00000		\$0,000
19			\$0.00000		\$0,000
20			\$0.00000		\$0,000

ATTACHMENT E
CONSULTANT COMPENSATION DISCLOSURE

The respondent(s) chosen by the City of Quincy as a result of this Request for Proposal will be responsible to pay the City's project consultant and manager, Power Management Company a one time consultancy / management fee of \$0.1068 per watt of actual solar array wattage under contract with the City of Quincy. There is no floor or ceiling on this fee as it is strictly related to the size of the project(s).

The chosen respondent(s) will cause said fee to be paid within thirty (30) days of "going live" or commissioning of each solar array, not upon completion of the entire project.

Definitions Relative to Fee Calculation

- Solar System Size = Final Watts Installed & Commissioned (output per panel totaled for each array).
- Referral Fee = \$0.1068 per Watt (0.005/kWh over 20 year term including system degradation and a 1.12 conversion factor)

For example;

100,000 Watts Installed & Commissioned DC * (\$0.1068/Watt) = \$10,680.00 Paid upon system commissioning

Note(s)

• The volume of Watts is based on the final Watts installed and commissioned. This is simply the total of each panel's Watt output.

ATTACHMENT F
CITY OF QUINCY, MA
PREVAILING WAGES



DEVAL L. PATRICK
Governor
TIMOTHY P. MURRAY
Lt. Governor

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS

Prevailing Wage Rates

As determined by the Director under the provisions of the
Massachusetts General Laws, Chapter 149, Sections 26 to 27H

JOANNE F. GOLDSTEIN
Secretary
HEATHER E. ROWE
Director

Awarding Authority: City of Quincy
Contract Number: _____ **City/Town:** QUINCY
Description of Work: Photovoltaic Solar Array System Installation Works - Install solar photovoltaic energy system
Job Location: Various City Locations

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

- This wage schedule applies only to the specific project referenced at the top of this page and uniquely identified by the "Wage Request Number" on all pages of this schedule.
- Awarding authorities must request an updated wage schedule from the Department of Labor Standards ("DLS") if it has not opened bids or selected a contractor within 90 days of the date of issuance of the wage schedule.
- The wage schedule shall be incorporated in any advertisement or call for bids for the project as required by M.G.L. c. 149, § 27. Once a contractor has been selected by the awarding authority, the wage schedule shall be made a part of the contract for that project. The wage schedule must be posted in a conspicuous place at the work site during the life of the project in accordance with M.G.L. c. 149, § 27. The wages listed on the wage schedule must be paid to employees performing construction work on the project regardless of whether they are employed by the prime contractor, a filed sub-bidder, or any sub-contractor.
- All apprentices must be registered with the Massachusetts Division of Apprenticeship Training (DAT) in order to be paid at the lower apprentice rates. All apprentices must keep his/her apprentice identification card on his/her person during all work hours. If a worker is not registered with DAT, he/she must be paid the "total rate" listed on the wage schedule regardless of experience or skills.
- The wage rates will remain in effect for the duration of the project, except in the case of multi-year public construction projects. For construction projects lasting longer than one year, awarding authorities must request an updated wage schedule. Awarding authorities are required to request these updates no later than two weeks before the anniversary of the date the contract was executed by the awarding authority and the general contractor. Contractors are required to obtain the wage schedules from awarding authorities, and to pay no less than these rates to covered workers. The annual update requirement is not applicable to 27F "rental of equipment" contracts.
- Every contractor or subcontractor which performs construction work on the project is required to submit weekly payroll reports directly to the awarding authority and keep them on file for three years. Each weekly payroll report must contain: the employee's name, address, occupational classification, hours worked, and wages paid. Do not submit weekly payroll reports to DLS. A sample of a payroll reporting form may be obtained at <http://www.mass.gov/dols/pw>.
- Contractors with questions about the wage rates or classifications included on the wage schedule have an affirmative obligation to inquire with DLS at (617) 626-6953.
- Employees not receiving the prevailing wage rate set forth on the wage schedule may report the violation to the Fair Labor Division of the office of the Attorney General at (617) 727-3465.
- Failure of a contractor or subcontractor to pay the prevailing wage rates listed on the wage schedule to all employees who perform construction work on the project is a violation of the law and subjects the contractor or subcontractor to civil and criminal penalties.

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
Construction						
(2 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2012	\$31.55	\$8.91	\$8.00	\$0.00	\$48.46
(3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2012	\$31.62	\$8.91	\$8.00	\$0.00	\$48.53
(4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2012	\$31.74	\$8.91	\$8.00	\$0.00	\$48.65
ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2012	\$82.32	\$9.80	\$17.67	\$0.00	\$109.79
	08/01/2013	\$85.47	\$9.80	\$17.67	\$0.00	\$112.94
	08/01/2014	\$88.62	\$9.80	\$17.67	\$0.00	\$116.09
	08/01/2015	\$91.77	\$9.80	\$17.67	\$0.00	\$119.24
AIR TRACK OPERATOR <i>LABORERS - ZONE 1</i>	12/01/2012	\$33.05	\$7.10	\$12.45	\$0.00	\$52.60
	06/01/2013	\$33.80	\$7.10	\$12.45	\$0.00	\$53.35
	12/01/2013	\$34.55	\$7.10	\$12.45	\$0.00	\$54.10
	06/01/2014	\$35.30	\$7.10	\$12.45	\$0.00	\$54.85
	12/01/2014	\$36.05	\$7.10	\$12.45	\$0.00	\$55.60
	06/01/2015	\$36.80	\$7.10	\$12.45	\$0.00	\$56.35
	12/01/2015	\$37.55	\$7.10	\$12.45	\$0.00	\$57.10
	06/01/2016	\$38.30	\$7.10	\$12.45	\$0.00	\$57.85
	12/01/2016	\$39.30	\$7.10	\$12.45	\$0.00	\$58.85
For apprentice rates see "Apprentice- LABORER"						
ASBESTOS REMOVER - PIPE / MECH. EQUIPT. <i>ASBESTOS WORKERS LOCAL 6 (BOSTON)</i>	12/01/2012	\$29.08	\$10.40	\$5.95	\$0.00	\$45.43
	06/01/2013	\$29.88	\$10.40	\$5.95	\$0.00	\$46.23
	12/01/2013	\$30.68	\$10.40	\$5.95	\$0.00	\$47.03
	06/01/2014	\$31.58	\$10.40	\$5.95	\$0.00	\$47.93
	12/01/2014	\$32.48	\$10.40	\$5.95	\$0.00	\$48.83
	06/01/2015	\$33.43	\$10.40	\$5.95	\$0.00	\$49.78
	12/01/2015	\$34.38	\$10.40	\$5.95	\$0.00	\$50.73
ASPHALT RAKER <i>LABORERS - ZONE 1</i>	12/01/2012	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
	06/01/2013	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	12/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	06/01/2014	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	12/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	06/01/2015	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	12/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	06/01/2016	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
	12/01/2016	\$38.80	\$7.10	\$12.45	\$0.00	\$58.35
For apprentice rates see "Apprentice- LABORER"						
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 1</i>	12/01/2012	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
	06/01/2013	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	12/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	06/01/2014	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	12/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	06/01/2015	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	12/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	06/01/2016	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
For apprentice rates see "Apprentice- LABORER"						
BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 1</i>	12/01/2012	\$33.05	\$7.10	\$12.45	\$0.00	\$52.60
	06/01/2013	\$33.80	\$7.10	\$12.45	\$0.00	\$53.35
	12/01/2013	\$34.55	\$7.10	\$12.45	\$0.00	\$54.10
	06/01/2014	\$35.30	\$7.10	\$12.45	\$0.00	\$54.85
	12/01/2014	\$36.05	\$7.10	\$12.45	\$0.00	\$55.60
	06/01/2015	\$36.80	\$7.10	\$12.45	\$0.00	\$56.35
	12/01/2015	\$37.55	\$7.10	\$12.45	\$0.00	\$57.10
	06/01/2016	\$38.30	\$7.10	\$12.45	\$0.00	\$57.85
For apprentice rates see "Apprentice- LABORER"						
BOILER MAKER <i>BOILERMAKERS LOCAL 29</i>	01/01/2010	\$37.70	\$6.97	\$11.18	\$0.00	\$55.85

Apprentice - BOILERMAKER - Local 29

Effective Date - 01/01/2010

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	65	\$24.51	\$6.97	\$11.18	\$0.00	\$42.66
2	65	\$24.51	\$6.97	\$11.18	\$0.00	\$42.66
3	70	\$26.39	\$6.97	\$11.18	\$0.00	\$44.54
4	75	\$28.28	\$6.97	\$11.18	\$0.00	\$46.43
5	80	\$30.16	\$6.97	\$11.18	\$0.00	\$48.31
6	85	\$32.05	\$6.97	\$11.18	\$0.00	\$50.20
7	90	\$33.93	\$6.97	\$11.18	\$0.00	\$52.08
8	95	\$35.82	\$6.97	\$11.18	\$0.00	\$53.97

Notes:

Apprentice to Journeyworker Ratio:1:5

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING) <i>BRICKLAYERS LOCAL 3 (QUINCY)</i>	02/01/2013	\$47.41	\$10.18	\$17.83	\$0.00	\$75.42
	08/01/2013	\$48.31	\$10.18	\$17.90	\$0.00	\$76.39
	02/01/2014	\$48.87	\$10.18	\$17.90	\$0.00	\$76.95
	08/01/2014	\$49.77	\$10.18	\$17.97	\$0.00	\$77.92
	02/01/2015	\$50.33	\$10.18	\$17.97	\$0.00	\$78.48
	08/01/2015	\$51.23	\$10.18	\$18.04	\$0.00	\$79.45
	02/01/2016	\$51.80	\$10.18	\$18.04	\$0.00	\$80.02
	08/01/2016	\$52.70	\$10.18	\$18.12	\$0.00	\$81.00
	02/01/2017	\$53.27	\$10.18	\$18.12	\$0.00	\$81.57

Apprentice - BRICK/PLASTER/CEMENT MASON - Local 3 Quincy

Effective Date - 02/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.71	\$10.18	\$17.83	\$0.00	\$51.72
2	60	\$28.45	\$10.18	\$17.83	\$0.00	\$56.46
3	70	\$33.19	\$10.18	\$17.83	\$0.00	\$61.20
4	80	\$37.93	\$10.18	\$17.83	\$0.00	\$65.94
5	90	\$42.67	\$10.18	\$17.83	\$0.00	\$70.68

Effective Date - 08/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.16	\$10.18	\$17.90	\$0.00	\$52.24
2	60	\$28.99	\$10.18	\$17.90	\$0.00	\$57.07
3	70	\$33.82	\$10.18	\$17.90	\$0.00	\$61.90
4	80	\$38.65	\$10.18	\$17.90	\$0.00	\$66.73
5	90	\$43.48	\$10.18	\$17.90	\$0.00	\$71.56

Notes:

Apprentice to Journeyworker Ratio:1:5

BULLDOZER/GRADER/SCRAPER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

CAISSON & UNDERPINNING BOTTOM MAN <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2012	\$33.45	\$7.10	\$12.60	\$0.00	\$53.15
	06/01/2013	\$34.20	\$7.10	\$12.60	\$0.00	\$53.90
	12/01/2013	\$34.95	\$7.10	\$12.60	\$0.00	\$54.65
	06/01/2014	\$35.70	\$7.10	\$12.60	\$0.00	\$55.40
	12/01/2014	\$36.45	\$7.10	\$12.60	\$0.00	\$56.15
	06/01/2015	\$37.20	\$7.10	\$12.60	\$0.00	\$56.90
	12/01/2015	\$37.95	\$7.10	\$12.60	\$0.00	\$57.65
	06/01/2016	\$38.70	\$7.10	\$12.60	\$0.00	\$58.40
	12/01/2016	\$39.70	\$7.10	\$12.60	\$0.00	\$59.40

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
CAISSON & UNDERPINNING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2012	\$32.30	\$7.10	\$12.60	\$0.00	\$52.00
	06/01/2013	\$33.05	\$7.10	\$12.60	\$0.00	\$52.75
	12/01/2013	\$33.80	\$7.10	\$12.60	\$0.00	\$53.50
	06/01/2014	\$34.55	\$7.10	\$12.60	\$0.00	\$54.25
	12/01/2014	\$35.30	\$7.10	\$12.60	\$0.00	\$55.00
	06/01/2015	\$36.05	\$7.10	\$12.60	\$0.00	\$55.75
	12/01/2015	\$36.80	\$7.10	\$12.60	\$0.00	\$56.50
	06/01/2016	\$37.55	\$7.10	\$12.60	\$0.00	\$57.25
For apprentice rates see "Apprentice- LABORER"						
CAISSON & UNDERPINNING TOP MAN <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2012	\$32.30	\$7.10	\$12.60	\$0.00	\$52.00
	06/01/2013	\$33.05	\$7.10	\$12.60	\$0.00	\$52.75
	12/01/2013	\$33.80	\$7.10	\$12.60	\$0.00	\$53.50
	06/01/2014	\$34.55	\$7.10	\$12.60	\$0.00	\$54.25
	12/01/2014	\$35.30	\$7.10	\$12.60	\$0.00	\$55.00
	06/01/2015	\$36.05	\$7.10	\$12.60	\$0.00	\$55.75
	12/01/2015	\$36.80	\$7.10	\$12.60	\$0.00	\$56.50
	06/01/2016	\$37.55	\$7.10	\$12.60	\$0.00	\$57.25
For apprentice rates see "Apprentice- LABORER"						
CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 1</i>	12/01/2012	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
	06/01/2013	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	12/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	06/01/2014	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	12/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	06/01/2015	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	12/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	06/01/2016	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
For apprentice rates see "Apprentice- LABORER"						
CARPENTER <i>CARPENTERS - ZONE 2 (Eastern Massachusetts)</i>	09/01/2012	\$33.48	\$9.80	\$15.61	\$0.00	\$58.89
	03/01/2013	\$33.92	\$9.80	\$15.61	\$0.00	\$59.33
	09/01/2013	\$34.53	\$9.80	\$15.61	\$0.00	\$59.94
	03/01/2014	\$35.13	\$9.80	\$15.61	\$0.00	\$60.54
	09/01/2014	\$35.90	\$9.80	\$15.61	\$0.00	\$61.31
	03/01/2015	\$36.67	\$9.80	\$15.61	\$0.00	\$62.08

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - CARPENTER - Zone 2 Eastern MA

Effective Date - 09/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.74	\$9.80	\$1.57	\$0.00	\$28.11
2	60	\$20.09	\$9.80	\$1.57	\$0.00	\$31.46
3	70	\$23.44	\$9.80	\$10.90	\$0.00	\$44.14
4	75	\$25.11	\$9.80	\$10.90	\$0.00	\$45.81
5	80	\$26.78	\$9.80	\$12.47	\$0.00	\$49.05
6	80	\$26.78	\$9.80	\$12.47	\$0.00	\$49.05
7	90	\$30.13	\$9.80	\$14.04	\$0.00	\$53.97
8	90	\$30.13	\$9.80	\$14.04	\$0.00	\$53.97

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.96	\$9.80	\$1.57	\$0.00	\$28.33
2	60	\$20.35	\$9.80	\$1.57	\$0.00	\$31.72
3	70	\$23.74	\$9.80	\$10.90	\$0.00	\$44.44
4	75	\$25.44	\$9.80	\$10.90	\$0.00	\$46.14
5	80	\$27.14	\$9.80	\$12.47	\$0.00	\$49.41
6	80	\$27.14	\$9.80	\$12.47	\$0.00	\$49.41
7	90	\$30.53	\$9.80	\$14.04	\$0.00	\$54.37
8	90	\$30.53	\$9.80	\$14.04	\$0.00	\$54.37

Notes:

Apprentice to Journeyworker Ratio:1:5

CEMENT MASONRY/PLASTERING BRICKLAYERS LOCAL 3 (QUINCY)	02/01/2013	\$42.87	\$10.50	\$18.61	\$1.30	\$73.28
	08/01/2013	\$43.62	\$10.50	\$18.61	\$1.30	\$74.03
	02/01/2014	\$44.05	\$10.50	\$18.61	\$1.30	\$74.46
	08/01/2014	\$44.80	\$10.50	\$18.61	\$1.30	\$75.21
	02/01/2015	\$45.23	\$10.50	\$18.61	\$1.30	\$75.64
	08/01/2015	\$45.98	\$10.50	\$18.61	\$1.30	\$76.39
	02/01/2016	\$46.43	\$10.50	\$18.61	\$1.30	\$76.84
	08/01/2016	\$47.18	\$10.50	\$18.61	\$1.30	\$77.59
	02/01/2017	\$47.63	\$10.50	\$18.61	\$1.30	\$78.04

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - CEMENT MASONRY/PLASTERING - Eastern Mass

Effective Date - 02/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.44	\$10.50	\$12.11	\$1.30	\$45.35
2	60	\$25.72	\$10.50	\$13.61	\$1.30	\$51.13
3	65	\$27.87	\$10.50	\$14.61	\$1.30	\$54.28
4	70	\$30.01	\$10.50	\$15.61	\$1.30	\$57.42
5	75	\$32.15	\$10.50	\$16.61	\$1.30	\$60.56
6	80	\$34.30	\$10.50	\$17.61	\$1.30	\$63.71
7	90	\$38.58	\$10.50	\$18.61	\$1.30	\$68.99

Effective Date - 08/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.81	\$10.50	\$12.11	\$1.30	\$45.72
2	60	\$26.17	\$10.50	\$13.61	\$1.30	\$51.58
3	65	\$28.35	\$10.50	\$14.61	\$1.30	\$54.76
4	70	\$30.53	\$10.50	\$15.61	\$1.30	\$57.94
5	75	\$32.72	\$10.50	\$16.61	\$1.30	\$61.13
6	80	\$34.90	\$10.50	\$17.61	\$1.30	\$64.31
7	90	\$39.26	\$10.50	\$18.61	\$1.30	\$69.67

Notes:

Steps are 6000 hours

Apprentice to Journeyworker Ratio:1:3

CHAIN SAW OPERATOR <i>LABORERS - ZONE 1</i>	12/01/2012	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
	06/01/2013	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	12/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	06/01/2014	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	12/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	06/01/2015	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	12/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	06/01/2016	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
	12/01/2016	\$38.80	\$7.10	\$12.45	\$0.00	\$58.35
For apprentice rates see "Apprentice- LABORER"						
CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$41.09	\$10.00	\$13.02	\$0.00	\$64.11
	06/01/2013	\$41.87	\$10.00	\$13.02	\$0.00	\$64.89
	12/01/2013	\$42.65	\$10.00	\$13.02	\$0.00	\$65.67
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
COMPRESSOR OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$28.17	\$10.00	\$13.02	\$0.00	\$51.19
	06/01/2013	\$28.72	\$10.00	\$13.02	\$0.00	\$51.74
	12/01/2013	\$29.27	\$10.00	\$13.02	\$0.00	\$52.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DELEADER (BRIDGE) <i>PAINTERS LOCAL 35 - ZONE 2</i>	01/01/2013	\$45.01	\$7.80	\$15.60	\$0.00	\$68.41

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.51	\$7.80	\$0.00	\$0.00	\$30.31
2	55	\$24.76	\$7.80	\$3.52	\$0.00	\$36.08
3	60	\$27.01	\$7.80	\$3.84	\$0.00	\$38.65
4	65	\$29.26	\$7.80	\$4.16	\$0.00	\$41.22
5	70	\$31.51	\$7.80	\$13.68	\$0.00	\$52.99
6	75	\$33.76	\$7.80	\$14.00	\$0.00	\$55.56
7	80	\$36.01	\$7.80	\$14.32	\$0.00	\$58.13
8	90	\$40.51	\$7.80	\$14.96	\$0.00	\$63.27

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

DEMO: ADZEMAN LABORERS - ZONE 1	12/01/2011	\$31.80	\$7.10	\$12.45	\$0.00	\$51.35
For apprentice rates see "Apprentice- LABORER"						
DEMO: BACKHOE/LOADER/HAMMER OPERATOR LABORERS - ZONE 1	12/01/2011	\$32.80	\$7.10	\$12.45	\$0.00	\$52.35
For apprentice rates see "Apprentice- LABORER"						
DEMO: BURNERS LABORERS - ZONE 1	12/01/2011	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
For apprentice rates see "Apprentice- LABORER"						
DEMO: CONCRETE CUTTER/SAWYER LABORERS - ZONE 1	12/01/2011	\$32.80	\$7.10	\$12.45	\$0.00	\$52.35
For apprentice rates see "Apprentice- LABORER"						
DEMO: JACKHAMMER OPERATOR LABORERS - ZONE 1	12/01/2011	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
For apprentice rates see "Apprentice- LABORER"						
DEMO: WRECKING LABORER LABORERS - ZONE 1	12/01/2011	\$31.80	\$7.10	\$12.45	\$0.00	\$51.35
For apprentice rates see "Apprentice- LABORER"						
DIRECTIONAL DRILL MACHINE OPERATOR OPERATING ENGINEERS LOCAL 4	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DIVER PILE DRIVER LOCAL 56 (ZONE 1)	08/01/2012	\$54.88	\$9.80	\$17.67	\$0.00	\$82.35
	08/01/2013	\$56.98	\$9.80	\$17.67	\$0.00	\$84.45
	08/01/2014	\$59.08	\$9.80	\$17.67	\$0.00	\$86.55
	08/01/2015	\$61.18	\$9.80	\$17.67	\$0.00	\$88.65
DIVER TENDER PILE DRIVER LOCAL 56 (ZONE 1)	08/01/2012	\$54.88	\$9.80	\$17.67	\$0.00	\$82.35
	08/01/2013	\$56.98	\$9.80	\$17.67	\$0.00	\$84.45
	08/01/2014	\$59.08	\$9.80	\$17.67	\$0.00	\$86.55
	08/01/2015	\$61.18	\$9.80	\$17.67	\$0.00	\$88.65

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DIVER TENDER (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2012	\$58.80	\$9.80	\$17.67	\$0.00	\$86.27
	08/01/2013	\$61.05	\$9.80	\$17.67	\$0.00	\$88.52
	08/01/2014	\$63.30	\$9.80	\$17.67	\$0.00	\$90.77
	08/01/2015	\$65.55	\$9.80	\$17.67	\$0.00	\$93.02
DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2012	\$82.32	\$9.80	\$17.67	\$0.00	\$109.79
	08/01/2013	\$85.47	\$9.80	\$17.67	\$0.00	\$112.94
	08/01/2014	\$88.62	\$9.80	\$17.67	\$0.00	\$116.09
	08/01/2015	\$91.77	\$9.80	\$17.67	\$0.00	\$119.24
DRAWBRIDGE OPERATOR (Construction) <i>ELECTRICIANS LOCAL 103</i>	09/01/2012	\$42.81	\$13.00	\$14.13	\$0.00	\$69.94
	03/01/2013	\$43.52	\$13.00	\$14.16	\$0.00	\$70.68
	09/01/2013	\$44.20	\$13.00	\$14.18	\$0.00	\$71.38
	03/01/2014	\$44.92	\$13.00	\$14.20	\$0.00	\$72.12
	09/01/2014	\$45.60	\$13.00	\$14.22	\$0.00	\$72.82
	03/01/2015	\$46.32	\$13.00	\$14.24	\$0.00	\$73.56
	09/01/2015	\$47.27	\$13.00	\$14.27	\$0.00	\$74.54
	03/01/2016	\$48.23	\$13.00	\$14.30	\$0.00	\$75.53
For apprentice rates see "Apprentice- ELECTRICIAN"						
ELECTRICIAN <i>ELECTRICIANS LOCAL 103</i>	09/01/2012	\$42.81	\$13.00	\$14.13	\$0.00	\$69.94
	03/01/2013	\$43.52	\$13.00	\$14.16	\$0.00	\$70.68
	09/01/2013	\$44.20	\$13.00	\$14.18	\$0.00	\$71.38
	03/01/2014	\$44.92	\$13.00	\$14.20	\$0.00	\$72.12
	09/01/2014	\$45.60	\$13.00	\$14.22	\$0.00	\$72.82
	03/01/2015	\$46.32	\$13.00	\$14.24	\$0.00	\$73.56
	09/01/2015	\$47.27	\$13.00	\$14.27	\$0.00	\$74.54
	03/01/2016	\$48.23	\$13.00	\$14.30	\$0.00	\$75.53

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - *ELECTRICIAN - Local 103*

Effective Date - 09/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.12	\$13.00	\$0.51	\$0.00	\$30.63
2	40	\$17.12	\$13.00	\$0.51	\$0.00	\$30.63
3	45	\$19.26	\$13.00	\$10.52	\$0.00	\$42.78
4	45	\$19.26	\$13.00	\$10.52	\$0.00	\$42.78
5	50	\$21.41	\$13.00	\$10.84	\$0.00	\$45.25
6	55	\$23.55	\$13.00	\$11.18	\$0.00	\$47.73
7	60	\$25.69	\$13.00	\$11.50	\$0.00	\$50.19
8	65	\$27.83	\$13.00	\$11.84	\$0.00	\$52.67
9	70	\$29.97	\$13.00	\$12.16	\$0.00	\$55.13
10	75	\$32.11	\$13.00	\$12.49	\$0.00	\$57.60

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.41	\$13.00	\$0.52	\$0.00	\$30.93
2	40	\$17.41	\$13.00	\$0.52	\$0.00	\$30.93
3	45	\$19.58	\$13.00	\$10.53	\$0.00	\$43.11
4	45	\$19.58	\$13.00	\$10.53	\$0.00	\$43.11
5	50	\$21.76	\$13.00	\$10.85	\$0.00	\$45.61
6	55	\$23.94	\$13.00	\$11.19	\$0.00	\$48.13
7	60	\$26.11	\$13.00	\$11.51	\$0.00	\$50.62
8	65	\$28.29	\$13.00	\$11.85	\$0.00	\$53.14
9	70	\$30.46	\$13.00	\$12.17	\$0.00	\$55.63
10	75	\$32.64	\$13.00	\$12.51	\$0.00	\$58.15

Notes :

App Prior 1/1/03; 30/35/40/45/50/55/65/70/75/80

Apprentice to Journeyworker Ratio:2:3***

ELEVATOR CONSTRUCTOR ELEVATOR CONSTRUCTORS LOCAL 4	01/01/2012	\$52.45	\$8.78	\$6.96	\$0.00	\$68.19
---	------------	---------	--------	--------	--------	---------

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ELEVATOR CONSTRUCTOR - Local 4

Effective Date - 01/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.23	\$8.78	\$0.00	\$0.00	\$35.01
2	55	\$28.85	\$8.78	\$6.96	\$0.00	\$44.59
3	65	\$34.09	\$8.78	\$6.96	\$0.00	\$49.83
4	70	\$36.72	\$8.78	\$6.96	\$0.00	\$52.46
5	80	\$41.96	\$8.78	\$6.96	\$0.00	\$57.70

Notes:
Steps 1-2 are 6 mos.; Steps 3-5 are 1 year

Apprentice to Journeyworker Ratio:1:1

ELEVATOR CONSTRUCTOR HELPER <i>ELEVATOR CONSTRUCTORS LOCAL 4</i>	01/01/2012	\$38.59	\$8.78	\$6.96	\$0.00	\$54.33
FENCE & GUARD RAIL ERECTOR <i>LABORERS - ZONE 1</i>	12/01/2012	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
	06/01/2013	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	12/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	06/01/2014	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	12/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	06/01/2015	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	12/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	06/01/2016	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
	12/01/2016	\$38.80	\$7.10	\$12.45	\$0.00	\$58.35
For apprentice rates see "Apprentice- LABORER"						
FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2012	\$38.26	\$10.00	\$12.65	\$0.00	\$60.91
	05/01/2013	\$38.87	\$10.00	\$12.65	\$0.00	\$61.52
	11/01/2013	\$39.63	\$10.00	\$12.65	\$0.00	\$62.28
	05/01/2014	\$40.40	\$10.00	\$12.65	\$0.00	\$63.05
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2012	\$39.66	\$10.00	\$12.65	\$0.00	\$62.31
	05/01/2013	\$40.28	\$10.00	\$12.65	\$0.00	\$62.93
	11/01/2013	\$41.05	\$10.00	\$12.65	\$0.00	\$63.70
	05/01/2014	\$41.82	\$10.00	\$12.65	\$0.00	\$64.47
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2012	\$21.18	\$10.00	\$12.65	\$0.00	\$43.83
	05/01/2013	\$21.54	\$10.00	\$12.65	\$0.00	\$44.19
	11/01/2013	\$22.00	\$10.00	\$12.65	\$0.00	\$44.65
	05/01/2014	\$22.45	\$10.00	\$12.65	\$0.00	\$45.10
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
FIRE ALARM INSTALLER <i>ELECTRICIANS LOCAL 103</i>	09/01/2012	\$42.81	\$13.00	\$14.13	\$0.00	\$69.94
	03/01/2013	\$43.52	\$13.00	\$14.16	\$0.00	\$70.68
	09/01/2013	\$44.20	\$13.00	\$14.18	\$0.00	\$71.38
	03/01/2014	\$44.92	\$13.00	\$14.20	\$0.00	\$72.12
	09/01/2014	\$45.60	\$13.00	\$14.22	\$0.00	\$72.82
	03/01/2015	\$46.32	\$13.00	\$14.24	\$0.00	\$73.56
	09/01/2015	\$47.27	\$13.00	\$14.27	\$0.00	\$74.54
	03/01/2016	\$48.23	\$13.00	\$14.30	\$0.00	\$75.53
For apprentice rates see "Apprentice- ELECTRICIAN"						
FIRE ALARM REPAIR / MAINTENANCE <i>LOCAL 103</i> <i>/ COMMISSIONING ELECTRICIANS</i>	09/01/2012	\$32.11	\$13.00	\$12.49	\$0.00	\$57.60
	03/01/2013	\$32.64	\$13.00	\$12.51	\$0.00	\$58.15
	09/01/2013	\$33.15	\$13.00	\$12.52	\$0.00	\$58.67
	03/01/2014	\$33.69	\$13.00	\$12.54	\$0.00	\$59.23
	09/01/2014	\$34.20	\$13.00	\$12.56	\$0.00	\$59.76
	03/01/2015	\$34.74	\$13.00	\$12.57	\$0.00	\$60.31
	09/01/2015	\$35.45	\$13.00	\$12.59	\$0.00	\$61.04
	03/01/2016	\$36.17	\$13.00	\$12.62	\$0.00	\$61.79
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"						
FIREMAN (ASST. ENGINEER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$33.61	\$10.00	\$13.02	\$0.00	\$56.63
	06/01/2013	\$34.26	\$10.00	\$13.02	\$0.00	\$57.28
	12/01/2013	\$34.92	\$10.00	\$13.02	\$0.00	\$57.94
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FLAGGER & SIGNALER <i>LABORERS - ZONE 1</i>	12/01/2012	\$20.50	\$7.10	\$12.45	\$0.00	\$40.05
	06/01/2013	\$20.50	\$7.10	\$12.45	\$0.00	\$40.05
	12/01/2013	\$20.50	\$7.10	\$12.45	\$0.00	\$40.05
	06/01/2014	\$20.50	\$7.10	\$12.45	\$0.00	\$40.05
	12/01/2014	\$20.50	\$7.10	\$12.45	\$0.00	\$40.05
	06/01/2015	\$20.50	\$7.10	\$12.45	\$0.00	\$40.05
	12/01/2015	\$20.50	\$7.10	\$12.45	\$0.00	\$40.05
	06/01/2016	\$20.50	\$7.10	\$12.45	\$0.00	\$40.05
For apprentice rates see "Apprentice- LABORER"						
FLOORCOVERER <i>FLOORCOVERERS LOCAL 2168 ZONE 1</i>	03/01/2012	\$37.20	\$9.80	\$16.61	\$0.00	\$63.61

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - FLOORCOVERER - Local 2168 Zone I

Effective Date - 03/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.60	\$9.80	\$1.79	\$0.00	\$30.19
2	55	\$20.46	\$9.80	\$1.79	\$0.00	\$32.05
3	60	\$22.32	\$9.80	\$11.24	\$0.00	\$43.36
4	65	\$24.18	\$9.80	\$11.24	\$0.00	\$45.22
5	70	\$26.04	\$9.80	\$13.03	\$0.00	\$48.87
6	75	\$27.90	\$9.80	\$13.03	\$0.00	\$50.73
7	80	\$29.76	\$9.80	\$14.82	\$0.00	\$54.38
8	85	\$31.62	\$9.80	\$14.82	\$0.00	\$56.24

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

FORK LIFT/CHERRY PICKER	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
<i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
GENERATOR/LIGHTING PLANT/HEATERS	12/01/2012	\$28.17	\$10.00	\$13.02	\$0.00	\$51.19
<i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2013	\$28.72	\$10.00	\$13.02	\$0.00	\$51.74
	12/01/2013	\$29.27	\$10.00	\$13.02	\$0.00	\$52.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)	01/01/2013	\$35.51	\$7.80	\$14.60	\$0.00	\$57.91
<i>GLAZIERS LOCAL 35 (ZONE 2)</i>						

Apprentice - GLAZIER - Local 35 Zone 2

Effective Date - 01/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.76	\$7.80	\$0.00	\$0.00	\$25.56
2	55	\$19.53	\$7.80	\$3.25	\$0.00	\$30.58
3	60	\$21.31	\$7.80	\$3.54	\$0.00	\$32.65
4	65	\$23.08	\$7.80	\$3.84	\$0.00	\$34.72
5	70	\$24.86	\$7.80	\$12.83	\$0.00	\$45.49
6	75	\$26.63	\$7.80	\$13.13	\$0.00	\$47.56
7	80	\$28.41	\$7.80	\$13.42	\$0.00	\$49.63
8	90	\$31.96	\$7.80	\$14.01	\$0.00	\$53.77

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
HOISTING ENGINEER/CRANES/GRADALLS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67

Apprentice - OPERATING ENGINEERS - Local 4

Effective Date - 12/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$22.05	\$10.00	\$0.00	\$0.00	\$32.05
2	60	\$24.05	\$10.00	\$13.02	\$0.00	\$47.07
3	65	\$26.06	\$10.00	\$13.02	\$0.00	\$49.08
4	70	\$28.06	\$10.00	\$13.02	\$0.00	\$51.08
5	75	\$30.07	\$10.00	\$13.02	\$0.00	\$53.09
6	80	\$32.07	\$10.00	\$13.02	\$0.00	\$55.09
7	85	\$34.08	\$10.00	\$13.02	\$0.00	\$57.10
8	90	\$36.08	\$10.00	\$13.02	\$0.00	\$59.10

Effective Date - 06/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$22.48	\$10.00	\$0.00	\$0.00	\$32.48
2	60	\$24.52	\$10.00	\$13.02	\$0.00	\$47.54
3	65	\$26.57	\$10.00	\$13.02	\$0.00	\$49.59
4	70	\$28.61	\$10.00	\$13.02	\$0.00	\$51.63
5	75	\$30.65	\$10.00	\$13.02	\$0.00	\$53.67
6	80	\$32.70	\$10.00	\$13.02	\$0.00	\$55.72
7	85	\$34.74	\$10.00	\$13.02	\$0.00	\$57.76
8	90	\$36.78	\$10.00	\$13.02	\$0.00	\$59.80

Notes:

Apprentice to Journeyworker Ratio:1:6

HVAC (DUCTWORK) <i>SHEETMETAL WORKERS LOCAL 17 - A</i>	02/01/2013	\$42.32	\$9.82	\$18.24	\$2.11	\$72.49
---	------------	---------	--------	---------	--------	---------

For apprentice rates see "Apprentice- SHEET METAL WORKER"

HVAC (ELECTRICAL CONTROLS) <i>ELECTRICIANS LOCAL 103</i>	09/01/2012	\$42.81	\$13.00	\$14.13	\$0.00	\$69.94
	03/01/2013	\$43.52	\$13.00	\$14.16	\$0.00	\$70.68
	09/01/2013	\$44.20	\$13.00	\$14.18	\$0.00	\$71.38
	03/01/2014	\$44.92	\$13.00	\$14.20	\$0.00	\$72.12
	09/01/2014	\$45.60	\$13.00	\$14.22	\$0.00	\$72.82
	03/01/2015	\$46.32	\$13.00	\$14.24	\$0.00	\$73.56
	09/01/2015	\$47.27	\$13.00	\$14.27	\$0.00	\$74.54
	03/01/2016	\$48.23	\$13.00	\$14.30	\$0.00	\$75.53

For apprentice rates see "Apprentice- ELECTRICIAN"

HVAC (TESTING AND BALANCING - AIR) <i>SHEETMETAL WORKERS LOCAL 17 - A</i>	02/01/2013	\$42.32	\$9.82	\$18.24	\$2.11	\$72.49
--	------------	---------	--------	---------	--------	---------

For apprentice rates see "Apprentice- SHEET METAL WORKER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
HVAC (TESTING AND BALANCING -WATER) <i>PIPEFITTERS LOCAL 537</i>	09/01/2012	\$48.09	\$8.75	\$14.39	\$0.00	\$71.23
	03/01/2013	\$49.34	\$8.75	\$14.39	\$0.00	\$72.48
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HVAC MECHANIC <i>PIPEFITTERS LOCAL 537</i>	09/01/2012	\$48.09	\$8.75	\$14.39	\$0.00	\$71.23
	03/01/2013	\$49.34	\$8.75	\$14.39	\$0.00	\$72.48
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HYDRAULIC DRILLS <i>LABORERS - ZONE 1</i>	12/01/2012	\$33.05	\$7.10	\$12.45	\$0.00	\$52.60
	06/01/2013	\$33.80	\$7.10	\$12.45	\$0.00	\$53.35
	12/01/2013	\$34.55	\$7.10	\$12.45	\$0.00	\$54.10
	06/01/2014	\$35.30	\$7.10	\$12.45	\$0.00	\$54.85
	12/01/2014	\$36.05	\$7.10	\$12.45	\$0.00	\$55.60
	06/01/2015	\$36.80	\$7.10	\$12.45	\$0.00	\$56.35
	12/01/2015	\$37.55	\$7.10	\$12.45	\$0.00	\$57.10
	06/01/2016	\$38.30	\$7.10	\$12.45	\$0.00	\$57.85
For apprentice rates see "Apprentice- LABORER"						
INSULATOR (PIPES & TANKS) <i>ASBESTOS WORKERS LOCAL 6 (BOSTON)</i>	09/01/2012	\$41.46	\$10.65	\$11.50	\$0.00	\$63.61
	09/01/2013	\$43.06	\$10.65	\$11.50	\$0.00	\$65.21
	09/01/2014	\$45.06	\$10.65	\$11.50	\$0.00	\$67.21

Apprentice - ASBESTOS INSULATOR (Pipes & Tanks) - Local 6 Boston

Effective Date - 09/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.73	\$10.65	\$8.60	\$0.00	\$39.98
2	60	\$24.88	\$10.65	\$9.18	\$0.00	\$44.71
3	70	\$29.02	\$10.65	\$9.76	\$0.00	\$49.43
4	80	\$33.17	\$10.65	\$10.34	\$0.00	\$54.16

Effective Date - 09/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.53	\$10.65	\$8.60	\$0.00	\$40.78
2	60	\$25.84	\$10.65	\$9.18	\$0.00	\$45.67
3	70	\$30.14	\$10.65	\$9.76	\$0.00	\$50.55
4	80	\$34.45	\$10.65	\$10.34	\$0.00	\$55.44

Notes:

Steps are 1 year

Apprentice to Journeyworker Ratio:1:4

IRONWORKER/WELDER <i>IRONWORKERS LOCAL 7 (BOSTON AREA)</i>	09/16/2012	\$38.98	\$7.70	\$18.35	\$0.00	\$65.03
	03/16/2013	\$40.23	\$7.70	\$18.35	\$0.00	\$66.28

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - IRONWORKER - Local 7 Boston

Effective Date - 09/16/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$23.39	\$7.70	\$18.35	\$0.00	\$49.44
2	70	\$27.29	\$7.70	\$18.35	\$0.00	\$53.34
3	75	\$29.24	\$7.70	\$18.35	\$0.00	\$55.29
4	80	\$31.18	\$7.70	\$18.35	\$0.00	\$57.23
5	85	\$33.13	\$7.70	\$18.35	\$0.00	\$59.18
6	90	\$35.08	\$7.70	\$18.35	\$0.00	\$61.13

Effective Date - 03/16/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$24.14	\$7.70	\$18.35	\$0.00	\$50.19
2	70	\$28.16	\$7.70	\$18.35	\$0.00	\$54.21
3	75	\$30.17	\$7.70	\$18.35	\$0.00	\$56.22
4	80	\$32.18	\$7.70	\$18.35	\$0.00	\$58.23
5	85	\$34.20	\$7.70	\$18.35	\$0.00	\$60.25
6	90	\$36.21	\$7.70	\$18.35	\$0.00	\$62.26

Notes:

** Structural I:6; Ornamental I:4

Apprentice to Journeyworker Ratio:**

JACKHAMMER & PAVING BREAKER OPERATOR LABORERS - ZONE 1	12/01/2012	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
	06/01/2013	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	12/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	06/01/2014	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	12/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	06/01/2015	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	12/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	06/01/2016	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
	12/01/2016	\$38.80	\$7.10	\$12.45	\$0.00	\$58.35
For apprentice rates see "Apprentice- LABORER"						
LABORER LABORERS - ZONE 1	12/01/2012	\$32.30	\$7.10	\$12.45	\$0.00	\$51.85
	06/01/2013	\$33.05	\$7.10	\$12.45	\$0.00	\$52.60
	12/01/2013	\$33.80	\$7.10	\$12.45	\$0.00	\$53.35
	06/01/2014	\$34.55	\$7.10	\$12.45	\$0.00	\$54.10
	12/01/2014	\$35.30	\$7.10	\$12.45	\$0.00	\$54.85
	06/01/2015	\$36.05	\$7.10	\$12.45	\$0.00	\$55.60
	12/01/2015	\$36.80	\$7.10	\$12.45	\$0.00	\$56.35
	06/01/2016	\$37.55	\$7.10	\$12.45	\$0.00	\$57.10
	12/01/2016	\$38.55	\$7.10	\$12.45	\$0.00	\$58.10

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - LABORER - Zone 1

Effective Date - 12/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$19.38	\$7.10	\$12.45	\$0.00	\$38.93
2	70	\$22.61	\$7.10	\$12.45	\$0.00	\$42.16
3	80	\$25.84	\$7.10	\$12.45	\$0.00	\$45.39
4	90	\$29.07	\$7.10	\$12.45	\$0.00	\$48.62

Effective Date - 06/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$19.83	\$7.10	\$12.45	\$0.00	\$39.38
2	70	\$23.14	\$7.10	\$12.45	\$0.00	\$42.69
3	80	\$26.44	\$7.10	\$12.45	\$0.00	\$45.99
4	90	\$29.75	\$7.10	\$12.45	\$0.00	\$49.30

Notes:

Apprentice to Journeyworker Ratio:1:5

LABORER: CARPENTER TENDER LABORERS - ZONE 1	12/01/2012	\$32.30	\$7.10	\$12.45	\$0.00	\$51.85
	06/01/2013	\$33.05	\$7.10	\$12.45	\$0.00	\$52.60
	12/01/2013	\$33.80	\$7.10	\$12.45	\$0.00	\$53.35
	06/01/2014	\$34.55	\$7.10	\$12.45	\$0.00	\$54.10
	12/01/2014	\$35.30	\$7.10	\$12.45	\$0.00	\$54.85
	06/01/2015	\$36.05	\$7.10	\$12.45	\$0.00	\$55.60
	12/01/2015	\$36.80	\$7.10	\$12.45	\$0.00	\$56.35
	06/01/2016	\$37.55	\$7.10	\$12.45	\$0.00	\$57.10
	12/01/2016	\$38.55	\$7.10	\$12.45	\$0.00	\$58.10
For apprentice rates see "Apprentice- LABORER"						
LABORER: CEMENT FINISHER TENDER LABORERS - ZONE 1	12/01/2012	\$32.30	\$7.10	\$12.45	\$0.00	\$51.85
	06/01/2013	\$33.05	\$7.10	\$12.45	\$0.00	\$52.60
	12/01/2013	\$33.80	\$7.10	\$12.45	\$0.00	\$53.35
	06/01/2014	\$34.55	\$7.10	\$12.45	\$0.00	\$54.10
	12/01/2014	\$35.30	\$7.10	\$12.45	\$0.00	\$54.85
	06/01/2015	\$36.05	\$7.10	\$12.45	\$0.00	\$55.60
	12/01/2015	\$36.80	\$7.10	\$12.45	\$0.00	\$56.35
	06/01/2016	\$37.55	\$7.10	\$12.45	\$0.00	\$57.10
	12/01/2016	\$38.55	\$7.10	\$12.45	\$0.00	\$58.10
For apprentice rates see "Apprentice- LABORER"						
LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER LABORERS - ZONE 1	12/01/2011	\$31.80	\$7.10	\$12.45	\$0.00	\$51.35
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER: MASON TENDER <i>LABORERS - ZONE 1</i>	12/01/2012	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
	06/01/2013	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	12/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	06/01/2014	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	12/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	06/01/2015	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	12/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	06/01/2016	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
	12/01/2016	\$38.80	\$7.10	\$12.45	\$0.00	\$58.35
For apprentice rates see "Apprentice- LABORER"						
LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 1</i>	12/01/2012	\$32.30	\$7.10	\$12.45	\$0.00	\$51.85
	06/01/2013	\$33.05	\$7.10	\$12.45	\$0.00	\$52.60
	12/01/2013	\$33.80	\$7.10	\$12.45	\$0.00	\$53.35
	06/01/2014	\$34.55	\$7.10	\$12.45	\$0.00	\$54.10
	12/01/2014	\$35.30	\$7.10	\$12.45	\$0.00	\$54.85
	06/01/2015	\$36.05	\$7.10	\$12.45	\$0.00	\$55.60
	12/01/2015	\$36.80	\$7.10	\$12.45	\$0.00	\$56.35
	06/01/2016	\$37.55	\$7.10	\$12.45	\$0.00	\$57.10
	12/01/2016	\$38.55	\$7.10	\$12.45	\$0.00	\$58.10
For apprentice rates see "Apprentice- LABORER"						
LABORER: TREE REMOVER <i>LABORERS - ZONE 1</i>	12/01/2012	\$32.30	\$7.10	\$12.45	\$0.00	\$51.85
	06/01/2013	\$33.05	\$7.10	\$12.45	\$0.00	\$52.60
	12/01/2013	\$33.80	\$7.10	\$12.45	\$0.00	\$53.35
	06/01/2014	\$34.55	\$7.10	\$12.45	\$0.00	\$54.10
	12/01/2014	\$35.30	\$7.10	\$12.45	\$0.00	\$54.85
	06/01/2015	\$36.05	\$7.10	\$12.45	\$0.00	\$55.60
	12/01/2015	\$36.80	\$7.10	\$12.45	\$0.00	\$56.35
	06/01/2016	\$37.55	\$7.10	\$12.45	\$0.00	\$57.10
	12/01/2016	\$38.55	\$7.10	\$12.45	\$0.00	\$58.10
This classification applies to the wholesale removal of standing trees including all associated trimming of branches and limbs, and applies to the removal of branches at locations not on or around utility lines. For apprentice rates see "Apprentice- LABORER"						
LASER BEAM OPERATOR <i>LABORERS - ZONE 1</i>	12/01/2012	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
	06/01/2013	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	12/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	06/01/2014	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	12/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	06/01/2015	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	12/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	06/01/2016	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
	12/01/2016	\$38.80	\$7.10	\$12.45	\$0.00	\$58.35
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
MARBLE & TILE FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i>	02/01/2013	\$36.20	\$10.18	\$16.51	\$0.00	\$62.89
	08/01/2013	\$36.91	\$10.18	\$16.58	\$0.00	\$63.67
	02/01/2014	\$37.36	\$10.18	\$16.58	\$0.00	\$64.12
	08/01/2014	\$38.07	\$10.18	\$16.65	\$0.00	\$64.90
	02/01/2015	\$38.52	\$10.18	\$16.65	\$0.00	\$65.35
	08/01/2015	\$39.23	\$10.18	\$16.72	\$0.00	\$66.13
	02/01/2016	\$39.68	\$10.18	\$16.72	\$0.00	\$66.58
	08/01/2016	\$40.38	\$10.18	\$16.80	\$0.00	\$67.36
	02/01/2017	\$40.84	\$10.18	\$16.80	\$0.00	\$67.82

Apprentice - MARBLE & TILE FINISHER - Local 3 Marble & Tile

Effective Date - 02/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.10	\$10.18	\$16.51	\$0.00	\$44.79
2	60	\$21.72	\$10.18	\$16.51	\$0.00	\$48.41
3	70	\$25.34	\$10.18	\$16.51	\$0.00	\$52.03
4	80	\$28.96	\$10.18	\$16.51	\$0.00	\$55.65
5	90	\$32.58	\$10.18	\$16.51	\$0.00	\$59.27

Effective Date - 08/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.46	\$10.18	\$16.58	\$0.00	\$45.22
2	60	\$22.15	\$10.18	\$16.58	\$0.00	\$48.91
3	70	\$25.84	\$10.18	\$16.58	\$0.00	\$52.60
4	80	\$29.53	\$10.18	\$16.58	\$0.00	\$56.29
5	90	\$33.22	\$10.18	\$16.58	\$0.00	\$59.98

Notes:

Apprentice to Journeyworker Ratio:1:3

MARBLE MASONS, TILELAYERS & TERRAZZO MECH <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i>	02/01/2013	\$47.45	\$10.18	\$17.83	\$0.00	\$75.46
	08/01/2013	\$48.35	\$10.18	\$17.90	\$0.00	\$76.43
	02/01/2014	\$48.91	\$10.18	\$17.90	\$0.00	\$76.99
	08/01/2014	\$49.81	\$10.18	\$17.97	\$0.00	\$77.96
	02/01/2015	\$50.37	\$10.18	\$17.97	\$0.00	\$78.52
	08/01/2015	\$51.27	\$10.18	\$18.04	\$0.00	\$79.49
	02/01/2016	\$51.84	\$10.18	\$18.04	\$0.00	\$80.06
	08/01/2016	\$52.74	\$10.18	\$18.12	\$0.00	\$81.04
	02/01/2017	\$53.31	\$10.18	\$18.12	\$0.00	\$81.61

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MARBLE-TILE-TERRAZZO MECHANIC - Local 3 Marble & Tile

Effective Date - 02/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.73	\$10.18	\$17.83	\$0.00	\$51.74
2	60	\$28.47	\$10.18	\$17.83	\$0.00	\$56.48
3	70	\$33.22	\$10.18	\$17.83	\$0.00	\$61.23
4	80	\$37.96	\$10.18	\$17.83	\$0.00	\$65.97
5	90	\$42.71	\$10.18	\$17.83	\$0.00	\$70.72

Effective Date - 08/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.18	\$10.18	\$17.90	\$0.00	\$52.26
2	60	\$29.01	\$10.18	\$17.90	\$0.00	\$57.09
3	70	\$33.85	\$10.18	\$17.90	\$0.00	\$61.93
4	80	\$38.68	\$10.18	\$17.90	\$0.00	\$66.76
5	90	\$43.52	\$10.18	\$17.90	\$0.00	\$71.60

Notes:

Apprentice to Journeyworker Ratio:1:5

MECH. SWEEPER OPERATOR (ON CONST. SITES) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
MECHANICS MAINTENANCE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
MILLWRIGHT (Zone 1) <i>MILLWRIGHTS LOCAL 1121 - Zone 1</i>	04/01/2011	\$33.57	\$8.67	\$15.61	\$0.00	\$57.85

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MILLWRIGHT - Local 1121 Zone 1

Effective Date - 04/01/2011

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.79	\$8.67	\$11.64	\$0.00	\$37.10
2	55	\$18.46	\$8.67	\$11.64	\$0.00	\$38.77
3	60	\$20.14	\$8.67	\$13.23	\$0.00	\$42.04
4	65	\$21.82	\$8.67	\$13.23	\$0.00	\$43.72
5	70	\$23.50	\$8.67	\$14.02	\$0.00	\$46.19
6	75	\$25.18	\$8.67	\$14.02	\$0.00	\$47.87
7	80	\$26.86	\$8.67	\$14.82	\$0.00	\$50.35
8	85	\$28.53	\$8.67	\$14.82	\$0.00	\$52.02

Notes:

Apprentice to Journeyworker Ratio:1:5

MORTAR MIXER LABORERS - ZONE 1	12/01/2012	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
	06/01/2013	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	12/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	06/01/2014	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	12/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	06/01/2015	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	12/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	06/01/2016	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
	12/01/2016	\$38.80	\$7.10	\$12.45	\$0.00	\$58.35
For apprentice rates see "Apprentice- LABORER"						
OILER (OTHER THAN TRUCK CRANES, GRADALLS) OPERATING ENGINEERS LOCAL 4	12/01/2012	\$21.28	\$10.00	\$13.02	\$0.00	\$44.30
	06/01/2013	\$21.70	\$10.00	\$13.02	\$0.00	\$44.72
	12/01/2013	\$22.12	\$10.00	\$13.02	\$0.00	\$45.14
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
OILER (TRUCK CRANES, GRADALLS) OPERATING ENGINEERS LOCAL 4	12/01/2012	\$24.62	\$10.00	\$13.02	\$0.00	\$47.64
	06/01/2013	\$25.10	\$10.00	\$13.02	\$0.00	\$48.12
	12/01/2013	\$25.59	\$10.00	\$13.02	\$0.00	\$48.61
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
OTHER POWER DRIVEN EQUIPMENT - CLASS II OPERATING ENGINEERS LOCAL 4	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PAINTER (BRIDGES/TANKS) PAINTERS LOCAL 35 - ZONE 2	01/01/2013	\$45.01	\$7.80	\$15.60	\$0.00	\$68.41

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.51	\$7.80	\$0.00	\$0.00	\$30.31
2	55	\$24.76	\$7.80	\$3.52	\$0.00	\$36.08
3	60	\$27.01	\$7.80	\$3.84	\$0.00	\$38.65
4	65	\$29.26	\$7.80	\$4.16	\$0.00	\$41.22
5	70	\$31.51	\$7.80	\$13.68	\$0.00	\$52.99
6	75	\$33.76	\$7.80	\$14.00	\$0.00	\$55.56
7	80	\$36.01	\$7.80	\$14.32	\$0.00	\$58.13
8	90	\$40.51	\$7.80	\$14.96	\$0.00	\$63.27

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, NEW) *	01/01/2013	\$35.91	\$7.80	\$15.60	\$0.00	\$59.31
-------------------------------------	------------	---------	--------	---------	--------	---------

* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2

Apprentice - PAINTER Local 35 Zone 2 - Spray/Sandblast - New

Effective Date - 01/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.96	\$7.80	\$0.00	\$0.00	\$25.76
2	55	\$19.75	\$7.80	\$3.52	\$0.00	\$31.07
3	60	\$21.55	\$7.80	\$3.84	\$0.00	\$33.19
4	65	\$23.34	\$7.80	\$4.16	\$0.00	\$35.30
5	70	\$25.14	\$7.80	\$13.68	\$0.00	\$46.62
6	75	\$26.93	\$7.80	\$14.00	\$0.00	\$48.73
7	80	\$28.73	\$7.80	\$14.32	\$0.00	\$50.85
8	90	\$32.32	\$7.80	\$14.96	\$0.00	\$55.08

Notes:

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, REPAINT)	01/01/2013	\$33.97	\$7.80	\$15.60	\$0.00	\$57.37
---------------------------------------	------------	---------	--------	---------	--------	---------

PAINTERS LOCAL 35 - ZONE 2

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 Zone 2 - Spray/Sandblast - Repaint

Effective Date - 01/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.99	\$7.80	\$0.00	\$0.00	\$24.79
2	55	\$18.68	\$7.80	\$3.52	\$0.00	\$30.00
3	60	\$20.38	\$7.80	\$3.84	\$0.00	\$32.02
4	65	\$22.08	\$7.80	\$4.16	\$0.00	\$34.04
5	70	\$23.78	\$7.80	\$13.68	\$0.00	\$45.26
6	75	\$25.48	\$7.80	\$14.00	\$0.00	\$47.28
7	80	\$27.18	\$7.80	\$14.32	\$0.00	\$49.30
8	90	\$30.57	\$7.80	\$14.96	\$0.00	\$53.33

Notes:

Apprentice to Journeyworker Ratio:1:1

PAINTER (TRAFFIC MARKINGS) LABORERS - ZONE 1	12/01/2012	\$32.30	\$7.10	\$12.45	\$0.00	\$51.85
	06/01/2013	\$33.05	\$7.10	\$12.45	\$0.00	\$52.60
	12/01/2013	\$33.80	\$7.10	\$12.45	\$0.00	\$53.35
	06/01/2014	\$34.55	\$7.10	\$12.45	\$0.00	\$54.10
	12/01/2014	\$35.30	\$7.10	\$12.45	\$0.00	\$54.85
	06/01/2015	\$36.05	\$7.10	\$12.45	\$0.00	\$55.60
	12/01/2015	\$36.80	\$7.10	\$12.45	\$0.00	\$56.35
	06/01/2016	\$37.55	\$7.10	\$12.45	\$0.00	\$57.10
	12/01/2016	\$38.55	\$7.10	\$12.45	\$0.00	\$58.10

For Apprentice rates see "Apprentice- LABORER"

PAINTER / TAPER (BRUSH, NEW) *	01/01/2013	\$34.51	\$7.80	\$15.60	\$0.00	\$57.91
--------------------------------	------------	---------	--------	---------	--------	---------

* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER - Local 35 Zone 2 - BRUSH NEW

Effective Date - 01/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.26	\$7.80	\$0.00	\$0.00	\$25.06
2	55	\$18.98	\$7.80	\$3.52	\$0.00	\$30.30
3	60	\$20.71	\$7.80	\$3.84	\$0.00	\$32.35
4	65	\$22.43	\$7.80	\$4.16	\$0.00	\$34.39
5	70	\$24.16	\$7.80	\$13.68	\$0.00	\$45.64
6	75	\$25.88	\$7.80	\$14.00	\$0.00	\$47.68
7	80	\$27.61	\$7.80	\$14.32	\$0.00	\$49.73
8	90	\$31.06	\$7.80	\$14.96	\$0.00	\$53.82

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER / TAPER (BRUSH, REPAINT) <i>PAINTERS LOCAL 35 - ZONE 2</i>	01/01/2013	\$32.57	\$7.80	\$15.60	\$0.00	\$55.97
---	------------	---------	--------	---------	--------	---------

Apprentice - PAINTER Local 35 Zone 2 - BRUSH REPAINT

Effective Date - 01/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$16.29	\$7.80	\$0.00	\$0.00	\$24.09
2	55	\$17.91	\$7.80	\$3.52	\$0.00	\$29.23
3	60	\$19.54	\$7.80	\$3.84	\$0.00	\$31.18
4	65	\$21.17	\$7.80	\$4.16	\$0.00	\$33.13
5	70	\$22.80	\$7.80	\$13.68	\$0.00	\$44.28
6	75	\$24.43	\$7.80	\$14.00	\$0.00	\$46.23
7	80	\$26.06	\$7.80	\$14.32	\$0.00	\$48.18
8	90	\$29.31	\$7.80	\$14.96	\$0.00	\$52.07

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PANEL & PICKUP TRUCKS DRIVER <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2012	\$31.38	\$8.91	\$8.00	\$0.00	\$48.29
PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2012	\$39.20	\$9.80	\$17.67	\$0.00	\$66.67
	08/01/2013	\$40.70	\$9.80	\$17.67	\$0.00	\$68.17
	08/01/2014	\$42.20	\$9.80	\$17.67	\$0.00	\$69.67
	08/01/2015	\$43.70	\$9.80	\$17.67	\$0.00	\$71.17

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PILE DRIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2012	\$39.20	\$9.80	\$17.67	\$0.00	\$66.67
	08/01/2013	\$40.70	\$9.80	\$17.67	\$0.00	\$68.17
	08/01/2014	\$42.20	\$9.80	\$17.67	\$0.00	\$69.67
	08/01/2015	\$43.70	\$9.80	\$17.67	\$0.00	\$71.17

Apprentice - PILE DRIVER - Local 56 Zone 1

Effective Date - 08/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.60	\$9.80	\$17.67	\$0.00	\$47.07
2	60	\$23.52	\$9.80	\$17.67	\$0.00	\$50.99
3	70	\$27.44	\$9.80	\$17.67	\$0.00	\$54.91
4	75	\$29.40	\$9.80	\$17.67	\$0.00	\$56.87
5	80	\$31.36	\$9.80	\$17.67	\$0.00	\$58.83
6	80	\$31.36	\$9.80	\$17.67	\$0.00	\$58.83
7	90	\$35.28	\$9.80	\$17.67	\$0.00	\$62.75
8	90	\$35.28	\$9.80	\$17.67	\$0.00	\$62.75

Effective Date - 08/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.35	\$9.80	\$17.67	\$0.00	\$47.82
2	60	\$24.42	\$9.80	\$17.67	\$0.00	\$51.89
3	70	\$28.49	\$9.80	\$17.67	\$0.00	\$55.96
4	75	\$30.53	\$9.80	\$17.67	\$0.00	\$58.00
5	80	\$32.56	\$9.80	\$17.67	\$0.00	\$60.03
6	80	\$32.56	\$9.80	\$17.67	\$0.00	\$60.03
7	90	\$36.63	\$9.80	\$17.67	\$0.00	\$64.10
8	90	\$36.63	\$9.80	\$17.67	\$0.00	\$64.10

Notes:

Apprentice to Journeyworker Ratio:1:3

PIPEFITTER & STEAMFITTER <i>PIPEFITTERS LOCAL 537</i>	09/01/2012	\$48.09	\$8.75	\$14.39	\$0.00	\$71.23
	03/01/2013	\$49.34	\$8.75	\$14.39	\$0.00	\$72.48

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PIPEFITTER - Local 537

Effective Date - 09/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$19.24	\$8.75	\$6.50	\$0.00	\$34.49
2	45	\$21.64	\$8.75	\$14.39	\$0.00	\$44.78
3	60	\$28.85	\$8.75	\$14.39	\$0.00	\$51.99
4	70	\$33.66	\$8.75	\$14.39	\$0.00	\$56.80
5	80	\$38.47	\$8.75	\$14.39	\$0.00	\$61.61

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$19.74	\$8.75	\$6.50	\$0.00	\$34.99
2	45	\$22.20	\$8.75	\$14.39	\$0.00	\$45.34
3	60	\$29.60	\$8.75	\$14.39	\$0.00	\$52.74
4	70	\$34.54	\$8.75	\$14.39	\$0.00	\$57.68
5	80	\$39.47	\$8.75	\$14.39	\$0.00	\$62.61

Notes:

** 1:3; 3:15; 1:10 thereafter / Steps are 1 yr.
Refrig/AC Mechanic ** 1:1;1:2;2:4;3:6;4:8;5:10;6:12;7:14;8:17;9:20;10:23(Max)

Apprentice to Journeyworker Ratio:**

PIPELAYER	12/01/2012	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
LABORERS - ZONE 1	06/01/2013	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	12/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	06/01/2014	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	12/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	06/01/2015	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	12/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	06/01/2016	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
	12/01/2016	\$38.80	\$7.10	\$12.45	\$0.00	\$58.35

For apprentice rates see "Apprentice- LABORER"

PLUMBERS & GASFITTERS	09/01/2012	\$48.06	\$9.32	\$13.29	\$0.00	\$70.67
PLUMBERS & GASFITTERS LOCAL 12	03/01/2013	\$49.31	\$9.32	\$13.29	\$0.00	\$71.92

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PLUMBER/GASFITTER - Local 12

Effective Date - 09/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$16.82	\$9.32	\$4.97	\$0.00	\$31.11
2	40	\$19.22	\$9.32	\$5.61	\$0.00	\$34.15
3	55	\$26.43	\$9.32	\$7.53	\$0.00	\$43.28
4	65	\$31.24	\$9.32	\$8.81	\$0.00	\$49.37
5	75	\$36.05	\$9.32	\$10.09	\$0.00	\$55.46

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$17.26	\$9.32	\$4.97	\$0.00	\$31.55
2	40	\$19.72	\$9.32	\$5.61	\$0.00	\$34.65
3	55	\$27.12	\$9.32	\$7.53	\$0.00	\$43.97
4	65	\$32.05	\$9.32	\$8.81	\$0.00	\$50.18
5	75	\$36.98	\$9.32	\$10.09	\$0.00	\$56.39

Notes:

** 1:2; 2:6; 3:10; 4:14; 5:19/Steps are 1 yr
Step4 with lic\$53.29 Step5 with lic\$59.49

Apprentice to Journeyworker Ratio:**

PNEUMATIC CONTROLS (TEMP.) PIPEFITTERS LOCAL 537	09/01/2012	\$48.09	\$8.75	\$14.39	\$0.00	\$71.23
	03/01/2013	\$49.34	\$8.75	\$14.39	\$0.00	\$72.48

For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"

PNEUMATIC DRILL/TOOL OPERATOR LABORERS - ZONE 1	12/01/2012	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
	06/01/2013	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	12/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	06/01/2014	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	12/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	06/01/2015	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	12/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	06/01/2016	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
	12/01/2016	\$38.80	\$7.10	\$12.45	\$0.00	\$58.35

For apprentice rates see "Apprentice- LABORER"

POWDERMAN & BLASTER LABORERS - ZONE 1	12/01/2012	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	06/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	12/01/2013	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	06/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	12/01/2014	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	06/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	12/01/2015	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
	06/01/2016	\$38.55	\$7.10	\$12.45	\$0.00	\$58.10
	12/01/2016	\$39.55	\$7.10	\$12.45	\$0.00	\$59.10

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$28.17	\$10.00	\$13.02	\$0.00	\$51.19
	06/01/2013	\$28.72	\$10.00	\$13.02	\$0.00	\$51.74
	12/01/2013	\$29.27	\$10.00	\$13.02	\$0.00	\$52.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
READY-MIX CONCRETE DRIVER <i>TEAMSTERS LOCAL 25b</i>	05/01/2011	\$28.03	\$7.75	\$5.91	\$0.00	\$41.69
RECLAIMERS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
RESIDENTIAL WOOD FRAME (All Other Work) <i>CARPENTERS -ZONE 2 (Residential Wood)</i>	04/01/2011	\$24.24	\$8.67	\$15.51	\$0.00	\$48.42
RESIDENTIAL WOOD FRAME CARPENTER ** ** The Residential Wood Frame Carpenter classification applies only to the construction of new, wood frame residences that do not exceed four stories including the basement. <i>CARPENTERS -ZONE 2 (Residential Wood)</i>	05/01/2011	\$24.24	\$6.34	\$6.23	\$0.00	\$36.81
As of 9/1/09 Carpentry work on wood-frame residential WEATHERIZATION projects shall be paid the RESIDENTIAL WOOD FRAME CARPENTER rate.						
RIDE-ON MOTORIZED BUGGY OPERATOR <i>LABORERS - ZONE 1</i>	12/01/2012	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
	06/01/2013	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	12/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	06/01/2014	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	12/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	06/01/2015	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	12/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	06/01/2016	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
12/01/2016	\$38.80	\$7.10	\$12.45	\$0.00	\$58.35	
For apprentice rates see "Apprentice- LABORER"						
ROLLER/SPREADER/MULCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
ROOFER (Inc.Roofers Waterproofing &Roofers Damproofg) <i>ROOFERS LOCAL 33</i>	02/01/2013	\$37.41	\$10.50	\$10.70	\$0.00	\$58.61

Classification Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ROOFER - Local 33

Effective Date - 02/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.71	\$10.50	\$3.38	\$0.00	\$32.59
2	60	\$22.45	\$10.50	\$10.70	\$0.00	\$43.65
3	65	\$24.32	\$10.50	\$10.70	\$0.00	\$45.52
4	75	\$28.06	\$10.50	\$10.70	\$0.00	\$49.26
5	85	\$31.80	\$10.50	\$10.70	\$0.00	\$53.00

Notes: ** 1:5, 2:6-10, the 1:10; Reroofing: 1:4, then 1:1
Step 1 is 2000 hrs.; Steps 2-5 are 1000 hrs.

Apprentice to Journeyworker Ratio:**

ROOFER SLATE / TILE / PRECAST CONCRETE ROOFERS LOCAL 33	02/01/2013	\$37.66	\$10.50	\$10.70	\$0.00	\$58.86
--	------------	---------	---------	---------	--------	---------

For apprentice rates see "Apprentice- ROOFER"

SHEETMETAL WORKER SHEETMETAL WORKERS LOCAL 17 - A	02/01/2013	\$42.32	\$9.82	\$18.24	\$2.11	\$72.49
--	------------	---------	--------	---------	--------	---------

Apprentice - SHEET METAL WORKER - Local 17-A

Effective Date - 02/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$16.93	\$9.82	\$4.00	\$0.00	\$30.75
2	40	\$16.93	\$9.82	\$4.00	\$0.00	\$30.75
3	45	\$19.04	\$9.82	\$8.00	\$1.11	\$37.97
4	45	\$19.04	\$9.82	\$8.00	\$1.11	\$37.97
5	50	\$21.16	\$9.82	\$8.75	\$1.19	\$40.92
6	50	\$21.16	\$9.82	\$9.00	\$1.20	\$41.18
7	60	\$25.39	\$9.82	\$10.24	\$1.36	\$46.81
8	65	\$27.51	\$9.82	\$10.99	\$1.45	\$49.77
9	75	\$31.74	\$9.82	\$12.49	\$1.62	\$55.67
10	85	\$35.97	\$9.82	\$13.49	\$1.78	\$61.06

Notes:
Steps are 6 mos.

Apprentice to Journeyworker Ratio:1:4

SIGN ERECTOR PAINTERS LOCAL 35 - ZONE 2	06/01/2012	\$25.37	\$6.82	\$6.85	\$0.00	\$39.04
	06/01/2013	\$25.81	\$7.07	\$7.05	\$0.00	\$39.93

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SIGN ERECTOR - Local 35 Zone 2

Effective Date - 06/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$12.69	\$6.82	\$0.00	\$0.00	\$19.51
2	55	\$13.95	\$6.82	\$2.35	\$0.00	\$23.12
3	60	\$15.22	\$6.82	\$2.35	\$0.00	\$24.39
4	65	\$16.49	\$6.82	\$2.35	\$0.00	\$25.66
5	70	\$17.76	\$6.82	\$6.85	\$0.00	\$31.43
6	75	\$19.03	\$6.82	\$6.85	\$0.00	\$32.70
7	80	\$20.30	\$6.82	\$6.85	\$0.00	\$33.97
8	85	\$21.56	\$6.82	\$6.85	\$0.00	\$35.23
9	90	\$22.83	\$6.82	\$6.85	\$0.00	\$36.50

Effective Date - 06/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$12.91	\$7.07	\$0.00	\$0.00	\$19.98
2	55	\$14.20	\$7.07	\$2.45	\$0.00	\$23.72
3	60	\$15.49	\$7.07	\$2.45	\$0.00	\$25.01
4	65	\$16.78	\$7.07	\$2.45	\$0.00	\$26.30
5	70	\$18.07	\$7.07	\$7.05	\$0.00	\$32.19
6	75	\$19.36	\$7.07	\$7.05	\$0.00	\$33.48
7	80	\$20.65	\$7.07	\$7.05	\$0.00	\$34.77
8	85	\$21.94	\$7.07	\$7.05	\$0.00	\$36.06
9	90	\$23.23	\$7.07	\$7.05	\$0.00	\$37.35

Notes:

Steps are 4 mos.

Apprentice to Journeyworker Ratio:1:1

SPECIALIZED EARTH MOVING EQUIP < 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2012	\$31.84	\$8.91	\$8.00	\$0.00	\$48.75
SPECIALIZED EARTH MOVING EQUIP > 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2012	\$32.13	\$8.91	\$8.00	\$0.00	\$49.04
SPRINKLER FITTER <i>SPRINKLER FITTERS LOCAL 550 - (Section A)</i>	01/01/2013	\$51.58	\$8.42	\$12.60	\$0.00	\$72.60
	03/01/2013	\$52.58	\$8.42	\$12.60	\$0.00	\$73.60

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SPRINKLER FITTER - Local 550

Effective Date - 01/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$18.05	\$8.42	\$8.00	\$0.00	\$34.47
2	40	\$20.63	\$8.42	\$8.00	\$0.00	\$37.05
3	45	\$23.21	\$8.42	\$8.00	\$0.00	\$39.63
4	50	\$25.79	\$8.42	\$8.00	\$0.00	\$42.21
5	55	\$28.37	\$8.42	\$8.00	\$0.00	\$44.79
6	60	\$30.95	\$8.42	\$8.00	\$0.00	\$47.37
7	65	\$33.53	\$8.42	\$8.00	\$0.00	\$49.95
8	70	\$36.11	\$8.42	\$8.00	\$0.00	\$52.53
9	75	\$38.69	\$8.42	\$8.00	\$0.00	\$55.11
10	80	\$41.26	\$8.42	\$8.00	\$0.00	\$57.68

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$18.40	\$8.42	\$8.00	\$0.00	\$34.82
2	40	\$21.03	\$8.42	\$8.00	\$0.00	\$37.45
3	45	\$23.66	\$8.42	\$8.00	\$0.00	\$40.08
4	50	\$26.29	\$8.42	\$8.00	\$0.00	\$42.71
5	55	\$28.92	\$8.42	\$8.00	\$0.00	\$45.34
6	60	\$31.55	\$8.42	\$8.00	\$0.00	\$47.97
7	65	\$34.18	\$8.42	\$8.00	\$0.00	\$50.60
8	70	\$36.81	\$8.42	\$8.00	\$0.00	\$53.23
9	75	\$39.44	\$8.42	\$8.00	\$0.00	\$55.86
10	80	\$42.06	\$8.42	\$8.00	\$0.00	\$58.48

Notes:

Steps are 850 hours

Apprentice to Journeyworker Ratio:1:1

STEAM BOILER OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TELECOMMUNICATION TECHNICIAN ELECTRICIANS LOCAL 103	09/01/2012	\$32.11	\$13.00	\$12.49	\$0.00	\$57.60
	03/01/2013	\$32.64	\$13.00	\$12.51	\$0.00	\$58.15
	09/01/2013	\$33.15	\$13.00	\$12.52	\$0.00	\$58.67
	03/01/2014	\$33.69	\$13.00	\$12.54	\$0.00	\$59.23
	09/01/2014	\$34.20	\$13.00	\$12.56	\$0.00	\$59.76
	03/01/2015	\$34.74	\$13.00	\$12.57	\$0.00	\$60.31
	09/01/2015	\$35.45	\$13.00	\$12.59	\$0.00	\$61.04
	03/01/2016	\$36.17	\$13.00	\$12.62	\$0.00	\$61.79

Apprentice - TELECOMMUNICATION TECHNICIAN - Local 103

Effective Date - 09/01/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$12.84	\$13.00	\$0.39	\$0.00	\$26.23
2	40	\$12.84	\$13.00	\$0.39	\$0.00	\$26.23
3	45	\$14.45	\$13.00	\$9.77	\$0.00	\$37.22
4	45	\$14.45	\$13.00	\$9.77	\$0.00	\$37.22
5	50	\$16.06	\$13.00	\$10.02	\$0.00	\$39.08
6	55	\$17.66	\$13.00	\$10.27	\$0.00	\$40.93
7	60	\$19.27	\$13.00	\$10.52	\$0.00	\$42.79
8	65	\$20.87	\$13.00	\$10.77	\$0.00	\$44.64
9	70	\$22.48	\$13.00	\$11.02	\$0.00	\$46.50
10	75	\$24.08	\$13.00	\$11.26	\$0.00	\$48.34

Effective Date - 03/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$13.06	\$13.00	\$0.39	\$0.00	\$26.45
2	40	\$13.06	\$13.00	\$0.39	\$0.00	\$26.45
3	45	\$14.69	\$13.00	\$9.78	\$0.00	\$37.47
4	45	\$14.69	\$13.00	\$9.78	\$0.00	\$37.47
5	50	\$16.32	\$13.00	\$10.03	\$0.00	\$39.35
6	55	\$17.95	\$13.00	\$10.28	\$0.00	\$41.23
7	60	\$19.58	\$13.00	\$10.53	\$0.00	\$43.11
8	65	\$21.22	\$13.00	\$10.78	\$0.00	\$45.00
9	70	\$22.85	\$13.00	\$11.03	\$0.00	\$46.88
10	75	\$24.48	\$13.00	\$11.28	\$0.00	\$48.76

Notes:

Apprentice to Journeyworker Ratio:1:1

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TERRAZZO FINISHERS BRICKLAYERS LOCAL 3 - MARBLE & TILE	02/01/2013	\$46.35	\$10.18	\$17.83	\$0.00	\$74.36
	08/01/2013	\$47.25	\$10.18	\$17.90	\$0.00	\$75.33
	02/01/2014	\$47.81	\$10.18	\$17.90	\$0.00	\$75.89
	08/01/2014	\$48.71	\$10.18	\$17.97	\$0.00	\$76.86
	02/01/2015	\$49.27	\$10.18	\$17.97	\$0.00	\$77.42
	08/01/2015	\$50.17	\$10.18	\$18.04	\$0.00	\$78.39
	02/01/2016	\$50.74	\$10.18	\$18.04	\$0.00	\$78.96
	08/01/2016	\$51.64	\$10.18	\$18.12	\$0.00	\$79.94
	02/01/2017	\$52.21	\$10.18	\$18.12	\$0.00	\$80.51

Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile

Effective Date - 02/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.18	\$10.18	\$17.83	\$0.00	\$51.19
2	60	\$27.81	\$10.18	\$17.83	\$0.00	\$55.82
3	70	\$32.45	\$10.18	\$17.83	\$0.00	\$60.46
4	80	\$37.08	\$10.18	\$17.83	\$0.00	\$65.09
5	90	\$41.72	\$10.18	\$17.83	\$0.00	\$69.73

Effective Date - 08/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.63	\$10.18	\$17.90	\$0.00	\$51.71
2	60	\$28.35	\$10.18	\$17.90	\$0.00	\$56.43
3	70	\$33.08	\$10.18	\$17.90	\$0.00	\$61.16
4	80	\$37.80	\$10.18	\$17.90	\$0.00	\$65.88
5	90	\$42.53	\$10.18	\$17.90	\$0.00	\$70.61

Notes:

Apprentice to Journeyworker Ratio:1:3

TEST BORING DRILLER LABORERS - FOUNDATION AND MARINE	12/01/2012	\$37.30	\$7.10	\$12.60	\$0.00	\$57.00
	06/01/2013	\$34.45	\$7.10	\$12.60	\$0.00	\$54.15
	12/01/2013	\$35.20	\$7.10	\$12.60	\$0.00	\$54.90
	06/01/2014	\$35.95	\$7.10	\$12.60	\$0.00	\$55.65
	12/01/2014	\$36.70	\$7.10	\$12.60	\$0.00	\$56.40
	06/01/2015	\$37.45	\$7.10	\$12.60	\$0.00	\$57.15
	12/01/2015	\$38.20	\$7.10	\$12.60	\$0.00	\$57.90
	06/01/2016	\$38.95	\$7.10	\$12.60	\$0.00	\$58.65
	12/01/2016	\$39.95	\$7.10	\$12.60	\$0.00	\$59.65

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TEST BORING DRILLER HELPER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2012	\$32.42	\$7.10	\$12.60	\$0.00	\$52.12
	06/01/2013	\$33.17	\$7.10	\$12.60	\$0.00	\$52.87
	12/01/2013	\$33.92	\$7.10	\$12.60	\$0.00	\$53.62
	06/01/2014	\$34.67	\$7.10	\$12.60	\$0.00	\$54.37
	12/01/2014	\$35.42	\$7.10	\$12.60	\$0.00	\$55.12
	06/01/2015	\$36.17	\$7.10	\$12.60	\$0.00	\$55.87
	12/01/2015	\$36.92	\$7.10	\$12.60	\$0.00	\$56.62
	06/01/2016	\$37.67	\$7.10	\$12.60	\$0.00	\$57.37
For apprentice rates see "Apprentice- LABORER"						
TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2012	\$32.30	\$7.10	\$12.60	\$0.00	\$52.00
	06/01/2013	\$33.05	\$7.10	\$12.60	\$0.00	\$52.75
	12/01/2013	\$33.80	\$7.10	\$12.60	\$0.00	\$53.50
	06/01/2014	\$34.55	\$7.10	\$12.60	\$0.00	\$54.25
	12/01/2014	\$35.30	\$7.10	\$12.60	\$0.00	\$55.00
	06/01/2015	\$36.05	\$7.10	\$12.60	\$0.00	\$55.75
	12/01/2015	\$36.80	\$7.10	\$12.60	\$0.00	\$56.50
	06/01/2016	\$37.55	\$7.10	\$12.60	\$0.00	\$57.25
For apprentice rates see "Apprentice- LABORER"						
TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$39.72	\$10.00	\$13.02	\$0.00	\$62.74
	06/01/2013	\$40.49	\$10.00	\$13.02	\$0.00	\$63.51
	12/01/2013	\$41.27	\$10.00	\$13.02	\$0.00	\$64.29
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2012	\$32.42	\$9.07	\$8.00	\$0.00	\$49.49
TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i>	12/01/2012	\$44.58	\$7.10	\$13.00	\$0.00	\$64.68
	06/01/2013	\$45.33	\$7.10	\$13.00	\$0.00	\$65.43
	12/01/2013	\$46.08	\$7.10	\$13.00	\$0.00	\$66.18
	06/01/2014	\$46.83	\$7.10	\$13.00	\$0.00	\$66.93
	12/01/2014	\$47.58	\$7.10	\$13.00	\$0.00	\$67.68
	06/01/2015	\$48.33	\$7.10	\$13.00	\$0.00	\$68.43
	12/01/2015	\$49.08	\$7.10	\$13.00	\$0.00	\$69.18
	06/01/2016	\$49.83	\$7.10	\$13.00	\$0.00	\$69.93
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i>	12/01/2012	\$46.58	\$7.10	\$13.00	\$0.00	\$66.68
	06/01/2013	\$47.33	\$7.10	\$13.00	\$0.00	\$67.43
	12/01/2013	\$48.08	\$7.10	\$13.00	\$0.00	\$68.18
	06/01/2014	\$48.83	\$7.10	\$13.00	\$0.00	\$68.93
	12/01/2014	\$49.58	\$7.10	\$13.00	\$0.00	\$69.68
	06/01/2015	\$50.33	\$7.10	\$13.00	\$0.00	\$70.43
	12/01/2015	\$51.08	\$7.10	\$13.00	\$0.00	\$71.18
	06/01/2016	\$51.83	\$7.10	\$13.00	\$0.00	\$71.93
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2012	\$36.65	\$7.10	\$13.00	\$0.00	\$56.75
	06/01/2013	\$37.40	\$7.10	\$13.00	\$0.00	\$57.50
	12/01/2013	\$38.15	\$7.10	\$13.00	\$0.00	\$58.25
	06/01/2014	\$38.90	\$7.10	\$13.00	\$0.00	\$59.00
	12/01/2014	\$39.65	\$7.10	\$13.00	\$0.00	\$59.75
	06/01/2015	\$40.40	\$7.10	\$13.00	\$0.00	\$60.50
	12/01/2015	\$41.15	\$7.10	\$13.00	\$0.00	\$61.25
	06/01/2016	\$41.90	\$7.10	\$13.00	\$0.00	\$62.00
	12/01/2016	\$42.90	\$7.10	\$13.00	\$0.00	\$63.00
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2012	\$38.65	\$7.10	\$13.00	\$0.00	\$58.75
	06/01/2013	\$39.40	\$7.10	\$13.00	\$0.00	\$59.50
	12/01/2013	\$40.15	\$7.10	\$13.00	\$0.00	\$60.25
	06/01/2014	\$40.90	\$7.10	\$13.00	\$0.00	\$61.00
	12/01/2014	\$41.65	\$7.10	\$13.00	\$0.00	\$61.75
	06/01/2015	\$42.40	\$7.10	\$13.00	\$0.00	\$62.50
	12/01/2015	\$43.15	\$7.10	\$13.00	\$0.00	\$63.25
	06/01/2016	\$43.90	\$7.10	\$13.00	\$0.00	\$64.00
	12/01/2016	\$44.90	\$7.10	\$13.00	\$0.00	\$65.00
For apprentice rates see "Apprentice- LABORER"						
VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i>	12/01/2012	\$31.84	\$8.91	\$8.00	\$0.00	\$48.75
WAGON DRILL OPERATOR <i>LABORERS - ZONE 1</i>	12/01/2012	\$32.55	\$7.10	\$12.45	\$0.00	\$52.10
	06/01/2013	\$33.30	\$7.10	\$12.45	\$0.00	\$52.85
	12/01/2013	\$34.05	\$7.10	\$12.45	\$0.00	\$53.60
	06/01/2014	\$34.80	\$7.10	\$12.45	\$0.00	\$54.35
	12/01/2014	\$35.55	\$7.10	\$12.45	\$0.00	\$55.10
	06/01/2015	\$36.30	\$7.10	\$12.45	\$0.00	\$55.85
	12/01/2015	\$37.05	\$7.10	\$12.45	\$0.00	\$56.60
	06/01/2016	\$37.80	\$7.10	\$12.45	\$0.00	\$57.35
	12/01/2016	\$38.80	\$7.10	\$12.45	\$0.00	\$58.35
For apprentice rates see "Apprentice- LABORER"						
WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2012	\$40.09	\$10.00	\$13.02	\$0.00	\$63.11
	06/01/2013	\$40.87	\$10.00	\$13.02	\$0.00	\$63.89
	12/01/2013	\$41.65	\$10.00	\$13.02	\$0.00	\$64.67
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
WATER METER INSTALLER <i>PLUMBERS & GASFITTERS LOCAL 12</i>	09/01/2012	\$48.06	\$9.32	\$13.29	\$0.00	\$70.67
	03/01/2013	\$49.31	\$9.32	\$13.29	\$0.00	\$71.92
For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER"						
Outside Electrical - East						
CABLE TECHNICIAN (Power Zone) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/03/2012	\$25.18	\$7.95	\$4.42	\$0.00	\$37.55
	03/03/2013	\$25.18	\$8.20	\$4.17	\$0.00	\$37.55
	09/01/2013	\$25.66	\$8.70	\$4.48	\$0.00	\$38.84
For apprentice rates see "Apprentice- LINEMAN"						
CABLEMAN (Underground Ducts & Cables) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/03/2012	\$35.67	\$7.95	\$5.23	\$0.00	\$48.85
	03/03/2013	\$35.67	\$8.20	\$4.98	\$0.00	\$48.85
	09/01/2013	\$36.55	\$8.70	\$6.58	\$0.00	\$51.83

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- LINEMAN"						
DRIVER / GROUNDMAN CDL <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/03/2012	\$29.38	\$7.95	\$5.93	\$0.00	\$43.26
	03/03/2013	\$29.38	\$8.20	\$5.68	\$0.00	\$43.26
	09/01/2013	\$29.94	\$8.70	\$6.05	\$0.00	\$44.69
For apprentice rates see "Apprentice- LINEMAN"						
DRIVER / GROUNDMAN -Inexperienced (<2000 Hrs) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/03/2012	\$23.08	\$7.95	\$4.19	\$0.00	\$35.22
	03/03/2013	\$23.08	\$8.20	\$3.94	\$0.00	\$35.22
	09/01/2013	\$23.52	\$8.70	\$5.24	\$0.00	\$37.46
For apprentice rates see "Apprentice- LINEMAN"						
EQUIPMENT OPERATOR (Class A CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/03/2012	\$35.67	\$7.95	\$9.23	\$0.00	\$52.85
	03/03/2013	\$35.67	\$8.20	\$8.98	\$0.00	\$52.85
	09/01/2013	\$36.35	\$8.70	\$9.43	\$0.00	\$54.48
For apprentice rates see "Apprentice- LINEMAN"						
EQUIPMENT OPERATOR (Class B CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/03/2012	\$31.48	\$7.95	\$6.44	\$0.00	\$45.87
	03/03/2013	\$31.48	\$8.20	\$6.19	\$0.00	\$45.87
	09/01/2013	\$32.08	\$8.70	\$6.59	\$0.00	\$47.37
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/03/2012	\$23.08	\$7.95	\$3.67	\$0.00	\$34.70
	03/03/2013	\$23.08	\$8.20	\$3.42	\$0.00	\$34.70
	09/01/2013	\$23.52	\$8.70	\$3.72	\$0.00	\$35.94
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN -Inexperienced (<2000 Hrs.) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/03/2012	\$18.89	\$7.95	\$2.86	\$0.00	\$29.70
	03/03/2013	\$18.89	\$8.20	\$2.61	\$0.00	\$29.70
	09/01/2013	\$19.25	\$8.70	\$2.85	\$0.00	\$30.80
For apprentice rates see "Apprentice- LINEMAN"						
JOURNEYMAN LINEMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/03/2012	\$41.97	\$7.95	\$10.56	\$0.00	\$60.48
	03/03/2013	\$41.97	\$8.20	\$10.31	\$0.00	\$60.48
	09/01/2013	\$42.77	\$8.70	\$11.78	\$0.00	\$63.25

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - LINEMAN (Outside Electrical) - East Local 104

Effective Date - 09/03/2012

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$25.18	\$7.95	\$3.22	\$0.00	\$36.35
2	65	\$27.28	\$7.95	\$3.66	\$0.00	\$38.89
3	70	\$29.38	\$7.95	\$4.36	\$0.00	\$41.69
4	75	\$31.48	\$7.95	\$5.06	\$0.00	\$44.49
5	80	\$33.58	\$7.95	\$5.76	\$0.00	\$47.29
6	85	\$35.67	\$7.95	\$6.47	\$0.00	\$50.09
7	90	\$37.77	\$7.95	\$7.66	\$0.00	\$53.38

Effective Date - 03/03/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$25.18	\$8.20	\$2.97	\$0.00	\$36.35
2	65	\$27.28	\$8.20	\$3.41	\$0.00	\$38.89
3	70	\$29.38	\$8.20	\$4.11	\$0.00	\$41.69
4	75	\$31.48	\$8.20	\$4.81	\$0.00	\$44.49
5	80	\$33.58	\$8.20	\$5.51	\$0.00	\$47.29
6	85	\$35.67	\$8.20	\$6.22	\$0.00	\$50.09
7	90	\$37.77	\$8.20	\$7.41	\$0.00	\$53.38

Notes:

Apprentice to Journeyworker Ratio:1:2

TELEDATA CABLE SPLICER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	07/16/2012	\$26.33	\$4.18	\$2.79	\$0.00	\$33.30
TELEDATA LINEMAN/EQUIPMENT OPERATOR <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	07/16/2012	\$24.78	\$4.18	\$2.74	\$0.00	\$31.70
TELEDATA WIREMAN/INSTALLER/TECHNICIAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	07/16/2012	\$24.78	\$4.18	\$2.74	\$0.00	\$31.70
TREE TRIMMER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	02/01/2009	\$16.59	\$2.42	\$0.00	\$0.00	\$19.01
This classification applies only to the trimming of branches on and around utility lines.						
TREE TRIMMER GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	02/01/2009	\$14.64	\$2.42	\$0.00	\$0.00	\$17.06
This classification applies only to the trimming of branches on and around utility lines.						

Classification**Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate**

Additional Apprentice Information:

Minimum wage rates for apprentices employed on public works projects are listed above as a percentage of the pre-determined hourly wage rate established by the Commissioner under the provisions of the M.G.L. c. 149, ss. 26-27D. Apprentice ratios are established by the Division of Apprenticeship Training pursuant to M.G.L. c. 23, ss. 11E-11L.

All apprentices must be registered with the Division of Apprenticeship Training in accordance with M.G.L. c. 23, ss. 11E-11L.

All steps are six months (1000 hours) unless otherwise specified.

- * Ratios are expressed in allowable number of apprentices to journeymen or fraction thereof.
- ** Multiple ratios are listed in the comment field.
- *** APP to JM; 1:1, 2:2, 2:3, 3:4, 4:4, 4:5, 4:6, 5:7, 6:7, 6:8, 6:9, 7:10, 8:10, 8:11, 8:12, 9:13, 10:13, 10:14, etc.
- **** APP to JM; 1:1, 1:2, 2:3, 2:4, 3:5, 4:6, 4:7, 5:8, 6:9, 6:10, 7:11, 8:12, 8:13, 9:14, 10:15, 10:16, etc.