Enclosure 5

CONSTRUCTION STAGING
AND
TRAFFIC MANAGEMENT PLAN
FOR

PROJECT NAME
PROJECT ADDRESS

DATE

I. PROJECT

Briefly describe your project

II. Demolition Work

Contractor:
Address:
City, State, Zip:
Telephone Number:
Fax Number:

Estimated Start Date:
Estimated Completion Date:
Working Hours:

Name of on-site superintendent:
Cell Phone Number:

Contract Responsibilities:
Describe how and what will be demolished; include equipment to be used

Truck Route:
Describe the route that will be used by trucks on City of Pasadena streets;(please see attached drawing entitled "City of Pasadena – Truck Routes) include the number of trucks and staging location.

Material Storage Location
Describe the location for material storage (if needed)

Construction Trailer
Will a construction trailer be used? If so where will it be located?

Traffic Control
Will this operation require the occupation of any traffic lanes, parking lanes, parkways or any other public right-of way? If yes, than closures shall be per the Manual of Uniform Traffic Control Devices (MUTCD). If the right-of-way occupation requires a diagram that is not part of the MUTCD manual a separate traffic control plan must be submitted as part of this staging plan. Please note that a Public Works & Transportation Department Occupation Permit must be obtained prior to public right-of-way use.

Parking
Indicate the number of workers and the areas where their vehicles will be parked through the duration of this phase of the project

Clean-up
Describe the measures that will be taken to ensure that the work site and public right-of-way will be maintained (including dust control)

III. Excavation and Grading

Contractor:
Address:
City, State, Zip:
Telephone Number:
Fax Number:

Estimated Start Date:
Estimated Completion Date:
Working Hours:

Name of on-site superintendent:
Cell Phone Number:

Contract Responsibilities:

Describe excavation and grading activities; including the approximate depth of excavation, and quantity of dirt that will be removed (yd³): will piles, soldier beams and/or tiebacks be necessary? Include any other pertinent information

Truck Route:

Describe the route that will be used by trucks on City of Pasadena streets;(please see attached drawing entitled "City of Pasadena – Truck Route) include the number of trucks and staging location.

Material Storage Location

Describe the location for material storage (if needed)

Construction Trailer

Will a construction trailer be used? If so where will it be located?

Traffic Control

Will this operation require the occupation of any traffic lanes, parking lanes, parkways or any other public right-of way? If yes, than closures shall be per the Manual of Uniform Traffic Control Devices (MUTCD). If the right-of-way occupation requires a diagram that is not part of the MUTCD manual a separate traffic control plan must be submitted as part of this staging plan. Please note that a Public Works & Transportation Department Occupation Permit must be obtained prior to public right-of-way use.

Parking

Indicate the number of workers and the areas where their vehicles will be parked through the duration of this phase of the project

Clean-up

Describe the measures that will be taken to ensure that the work site and public right-of-way will be maintained (including dust control)

IV. Concrete Placement Work

Contractor:
Address:
City, State, Zip:
Telephone Number:
Fax Number:

Estimated Start Date:
Estimated Completion Date:
Working Hours:

Name of on-site Superintendent:
Cell Phone Number:

Contract Responsibilities:

Describe concrete placement activities and/or other pertinent information, such as the use of pumps and their locations

Truck Route:

Describe the route that will be used by trucks on City of Pasadena streets;(please see attached drawing entitled "City of Pasadena – Truck Routes) include the number of trucks and staging location.

Material Storage Location

Describe the location for material storage (if needed)

Construction Trailer

Will a construction trailer be used? If so where will it be located?

Traffic Control

Will this operation require the occupation of any traffic lanes, parking lanes, parkways or any other public right-of way? If yes, than closures shall be per the Manual of Uniform Traffic Control Devices (MUTCD). If the right-of-way occupation requires a diagram that is not part of the MUTCD manual a separate traffic control plan must be submitted as part of this staging plan. Please note that a Public Works & Transportation Department Occupation Permit must be obtained prior to public right-of-way use.

Parking

Indicate the number of workers and the areas where their vehicles will be parked through the duration of this phase of the project

Clean-up

Describe the measures that will be taken to ensure that the work site and public right-of-way will be maintained (including dust control)

V. Wood Framing Work

Contractor:
Address:
City, State, Zip:
Telephone Number:
Fax Number:

Estimated Start Date:
Estimated Completion Date:
Working Hours:

Name of on-site superintendent:
Cell Phone Number:

Contract Responsibilities:

Describe framing activities; include all pertinent information

Truck Route:

Describe the route that will be used by trucks on City of Pasadena streets;(please see attached drawing entitled "City of Pasadena – Truck Routes) include the number of trucks and staging location.

Material Storage Location

Describe the location for material storage (if needed)

Construction Trailer

Will a construction trailer be used? If so where will it be located?

Traffic Control

Will this operation require the occupation of any traffic lanes, parking lanes, parkways or any other public right-of way? If yes, than closures shall be per the Manual of Uniform Traffic Control Devices (MUTCD). If the right-of-way occupation requires a diagram that is not part of the MUTCD manual a separate traffic control plan must be submitted as part of this staging plan. Please note that a Public Works & Transportation Department Occupation Permit must be obtained prior to public right-of-way use.

Parking

Indicate the number of workers and the areas where their vehicles will be parked through the duration of this phase of the project

Clean-up

Describe the measures that will be taken to ensure that the work site and public right-of-way will be maintained (including dust control)

VI. Other

Contractor:
Address:
City, State, Zip:
Telephone Number:
Fax Number:

Estimated Start Date:
Estimated Completion Date:
Working Hours:

Name of on-site foreman:
Cell Phone Number:

Contract Responsibilities:

Describe any other major activity including roof installation, painting, stucco, window installation, landscaping etc.

Truck Route:

Describe the route that will be used by trucks on City of Pasadena streets;(please see attached drawing entitled "City of Pasadena – Truck Routes) include the number of trucks and staging location.

Material Storage Location

Describe the location for material storage (if needed)

Construction Trailer

Will a construction trailer be used? If so where will it be located?

Traffic Control

Will this operation require the occupation of any traffic lanes, parking lanes, parkways or any other public right-of way? If yes, than closures shall be per the Manual of Uniform Traffic Control Devices (MUTCD). If the right-of-way occupation requires a diagram that is not part of the MUTCD manual a separate traffic control plan must be submitted as part of this staging plan. Please note that a Public Works & Transportation Department Occupation Permit must be obtained prior to public right-of-way use.

Parking

Indicate the number of workers and the areas where their vehicles will be parked through the duration of this phase of the project

Clean-up

Describe the measures that will be taken to ensure that the work site and public right-of-way will be maintained (including dust control)

TRUCK ROUTE

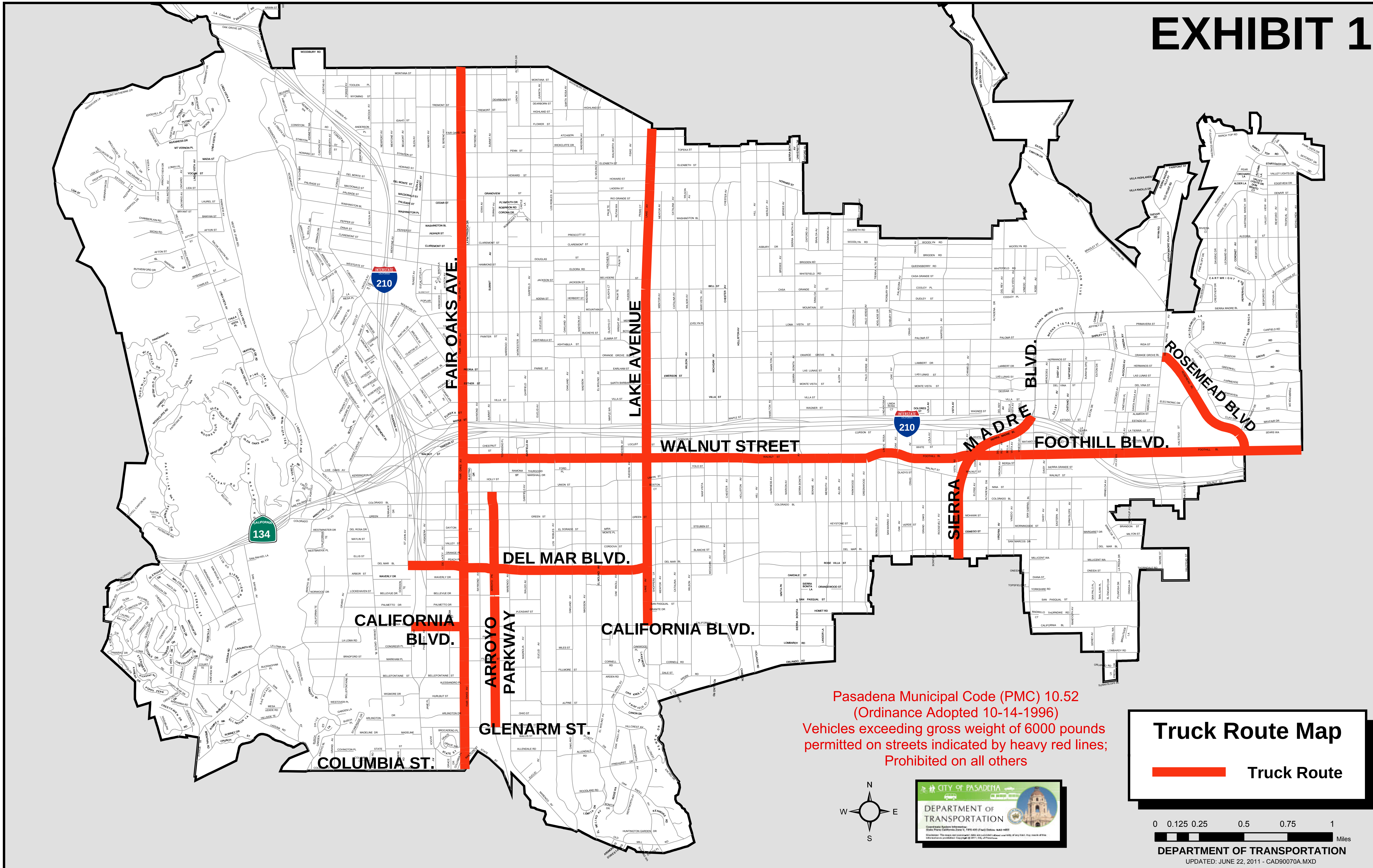


EXHIBIT 1
FAIR OAKS AVE.
LAKE AVENUE
WALNUT STREET
SIERRA MADRE BLVD.
FOOTHILL BLVD.
ROSEMEAD BLVD
DEL MAR BLVD.
CALIFORNIA BLVD.
CALIFORNIA BLVD.
ARROYO PARKWAY
GLENARM ST.
COLUMBIA ST.
INTERSTATE 210
CALIFORNIA 134
Pasadena Municipal Code (PMC) 10.52
(Ordinance Adopted 10-14-1996)
Vehicles exceeding gross weight of 6000 pounds
permitted on streets indicated by heavy red lines;
Prohibited on all others
N
W
E
S
CITY OF PASADENA
DEPARTMENT OF TRANSPORTATION
Truck Route Map
Truck Route
0 0.125 0.25 0.5 0.75 1
Miles
DEPARTMENT OF TRANSPORTATION
UPDATED: JUNE 22, 2011 - CAD90070A.MXD

City of Pasadena INSURANCE

Name of Company:_____

Project Location:_____

Job Description: _____

_____

1. PLEASE PROVIDE THE BELOW LISTED DOCUMENTS TO YOUR PROJECT MANAGER.
2. PLEASE SUBMIT THESE IN ONE (1) PACKAGE OR EMAIL WHEN YOU HAVE ALL DOCUMENTS IN HAND, ALONG WITH THIS CHECK LIST, BECAUSE THEY WILL BE FORWARDED OVER AS A GROUP TO OUR RISK MANAGER FOR APPROVAL:

Include on one or two Acord forms with the coverage limits, policy numbers, and dates for:

A. ☐ ***General Liability*:** Combined Single Limit of $1,000,000 per occurrence.
- ☐ ***A*dditional Insured Endorsement form(s)** Naming as Additional Insured ("City of Pasadena, its Council Members, Commissioners, officers, employees and agents.")
  Please provide either this form: ☐ CG 20 12;

  or **both** of these forms ☐ CG 20 10 XX XX (for *ongoing* operations) **AND**
  ☐ CG 20 37 XX XX (for *completed* operations).

- ☐ ***Endorsement Waiver of the Right of Subrogation for General Liability*** against the City of Pasadena.

B. ☐ ***Auto Liability*:** $100,000 combined single limits unless vehicles are not involved.

C. ☐ ***Worker's Comp and Employer's Liability*** in statutory amounts. A separate certificate may be submitted. The City need not be named as additional insured.
- ☐ ***Endorsement Waiver of the Right of Subrogation for Worker's Comp*** against the City of Pasadena.

D. ☐ There is a 24-48 hour turn around approval time for insurance before Permits can be issued

Note: The Specification or Request for Insurance may be amended by the City, to require less or greater requirements depending on the potential risk involved.

Submit fax documents to 626-396-8999 or
Email to pw-permits@cityofpasadena.net
. Include the permit job location and description of work.

OTHER CRITICAL INCLUSIONS:

1. The City of Pasadena shall be given 30 days written notice of cancellation or material change. The certificate submitted will not be approved if it contains "best effort" modifiers or if it relieves the insurer from responsibility for failure to give notice.

10/31/13

SAMPLE

***for A*dditional Insured Endorsement form**

Note: This sample is for reference purpose only.
Endorsement pages with different formats are acceptable.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

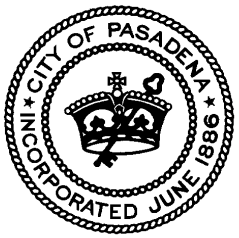
ADDITIONAL INSURED – DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)
City of Pasadena Office of the City Attorney Liability Claims
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.



City of Pasadena
Department of Public Works
Permit Counter
175 N. Garfield Ave.
Pasadena, CA 91101

---- PUBLIC COUNTER HOURS ----

Monday - Thursday 8:00 a.m. - 5:00 p.m.

Fridays 8:00 a.m. - 12 Noon

---- TELEPHONE HOURS ----

Monday - Thursday 7:30 a.m. - 5:30 p.m.

Fridays 7:30 a.m. - 4:30 p.m.

Telephone: 626-744-4195
Fax: 626-396-8999
Email: pw-permits@cityofpasadena.net

The City of Pasadena observes eleven public holidays each year during which non-essential City services are suspended. For more information on holidays and closed Fridays, please visit: http://www.cityofpasadena.net/

Department of Public Works
MOVING PERMIT APPLICATION
(For Wide Load / Heavy Equipment)

Moving permit applications will be accepted through one of the following methods:

- Permit Counter at 175 N Garfield Ave during normal business hours
- Telephone at 626-744-4195 (An advance deposit of $100 is required for all call-in services)
- Fax at 626-396-8999 or Email to pw-permits@cityofpasadena.net
  (An advance deposit of $100 is required for all fax-in services)

The following information will be required for the issuance of a moving permit:

- Type of Moving Equipment
- Height
- Width
- Length
- Weight (tons)
- From (address)
- To (address)
- Route to be used - preferably Truck Route as designated in the City website.
- Date and hours of operation
- Applicant's Company name, address, and telephone number

All moving permits shall comply with the City of Pasadena Ordinance. In addition, the applicant shall provide the City with updated insurance information, which is subject to the City's general insurance requirements. Please allow a minimum of two (2) working days for insurance approval. Thank you.

P&P Special Event # (If applicable):_____

CITY OF PASADENA

APPLICATION FOR A PERMIT TO CONDUCT AN ACTIVITY WITHIN THE PUBLIC RIGHT-OF-WAY

EVENT INFORMATION

Type of Event:

☐ RUN/WALK ☐ BIKE RACE ☐ PARADE ☐ STREET FAIR
☐ NEIGHBORHOOD BLOCK PARTY ☐ NEIGHBORHOOD WATCH – POLICE
☐ OTHER (be specific): _____

EVENT TITLE:_____

EVENT DATE(S):_____ TOTAL ANTICIPATED ATTENDANCE:_____
Month – Date(s) –Year Participants _____Spectators _____

LOCATION - Choose one of the Approved Street Closure Drawings listed below. No alterations to the approved drawings will be accepted.

☐ Centennial Square - Option "A" ☐ Centennial Square – Option "C"
☐ Centennial Square - Option "B" ☐ Rose Bowl Street Closure
☐ Other - Must Provide a Detailed Drawing if not using "Typical Street Closure" drawing.
☐ Full Street Closure ☐ Lane Closure ☐ Sidewalk Occupancy

Street Name:_____From:_____To:_____
(street name) (street name)

Staging Area (If different from above – typically for parades, runs, or walks):
Street Name:_____From:_____To:_____
(street name) (street name)

Disbanding Area (If different from above – typically for parades, runs, or walks):
Street Name:_____From:_____To:_____
(street name) (street name)

ACTUAL Event Hours: _____AM/PM - _____AM/PM

Barricade SET-UP Date:_____Start Time:_____AM/PM

Barricade BREAK-DOWN Date:_____Completion Time:_____AM/PM

Barricades to be delivered/picked up by ☐ City Staff ? ☐ OR, by applicant?
(If by City Staff, the application is subject to a flat fee of $420.99 - FY13 City's General Fee Schedule)

IS VALET PARKING BEING PROPOSED? ☐ YES ☐ NO
If "YES", please submit Valet Sponsor's Permit Application.

APPLICANT INFORMATION

☐ NON-PROFIT (Attach IRS 501C)

APPLICANT:_____

ADDRESS:_____
STREET, CITY, STATE, ZIP CODE

CONTACT PERSON:_____

Daytime Phone: (_____)_____Evening Phone: (_____)_____FAX #:(_____)_____

Contact Person **"On Site"** Day of Event:_____Pager/Cellular #:_____

Application must be submitted to the Department of Public Works at 175 North Garfield Avenue; or faxed to 626-396-8999; or emailed to pw-permits@cityofpasadena.net, at least thirty (30) working days prior to the date of the event or the date proposed to begin advertising the event. Please call 626-744-4195 if there are any questions.

Revised 12/19/12

CITY OF PASADENA – DEPARTMENT OF PUBLIC WORKS

APPLICATION FOR A PERMIT TO PLACE A STORAGE CONTAINER IN PUBLIC RIGHT OF WAY

APPLICANT INFORMATION

Applicant:_____
(The applicant shall be the current or prospective occupant(s), or his representative(s), of the subject property fronting the storage container)

Address:_____

Contact Person:_____ Email:_____

Daytime Phone: _____ Evening Phone: _____

FAX:_____ Cell:_____

Storage Container Company Name:_____

Address:_____ Phone:_____

Proposed start date:_____ Proposed end date:_____

Diagram: (Show street, property, driveways, trees, hydrants, and north arrow)

General requirements for storage container placement

The storage container shall:

1. **not** exceed the 10 day maximum duration unless approved by the City Engineer or designee.
2. require a pre-inspection to determine viability of permit issuance.
3. **not** be allowed on streets narrower than 30 feet wide (curb to curb).
4. **not** encroach onto an adjacent travel lane.
5. **not** create a traffic hazard, community inconvenience or nuisance. A minimum 20 foot clear zone is required for fire access at all times.
6. be reflectorized and have type 2 barricades with flashers at both ends. Additional traffic control may be required based on actual conditions.
7. have a flag person present when the container is occupied while on public right of way.
8. **not** interfere with storm water flows in the gutter.
9. be placed so as to minimize the sight visibility issues at intersections and adjacent driveways.
10. **not** be placed on parkways or near the drip line of trees.

I declare under penalty or perjury, that I have provided the city with the required insurance; paid associated fees; and read, understand, and agree to comply with the requirements noted above.

_____ _____

Signature of Applicant Date

Office Location: 175 N. Garfield Ave, Pasadena, CA 91101
Phone: (626) 744-4195 ** Fax: (626) 396-8999** Email: pw-permits@cityofpasadena.net

Revised 7/1/13

Proposed Storage Container Guidelines – Street Occupation

Instructions
To place a storage container temporarily in the public right-of-way, a permit MUST be obtained from the Engineering Division of the Public Works Department. The permit application that begins the process can be obtained at the Engineering Services Section public counter at 175 N Garfield Ave.

General Information
A storage container must have reflectorization in accordance with City standards which may include the placement of type 2 barricades with flashers. Caution must be taken to safeguard the traveling public. Applicant will be held responsible for any accidents resulting from the location of this equipment, as well as for damage to public streets, curbs, sidewalks and other public property.

Rules and Regulations of Storage Container

1) Each application shall require:

    a) The name and address of the applicant, showing legal identity (individual, partnership, or corporation, etc.) as applicable. The applicant must be the person residing in the home or the person operating the business in front of which the storage container is to be placed;

    b) The purpose in requesting the permit.

    c) The business location and owner of the storage container;

    d) The duration the storage container would be stored on public right-of-way (10 day maximum);

    e) All other information reasonably required by the City Engineer to fulfill the intent of the application;

    f) As a part of the application, the applicant agrees to absolve the City of any claims or any liabilities in connection with the placing of storage container.

2) The City Engineer, or designee, may inspect the site to ascertain a possible alternative to placing the storage container on the street.

3) If no such alternative exists, the City Engineer, or designee, may inspect the proposed street location to determine if a traffic hazard, community inconvenience, or nuisance will be created.

4) If storage container must be placed in the public street, the City Engineer, or designee, may approve the location by pre-inspection where the proposed storage container is to be placed, taking into consideration such factors as distance from intersection, proximity of neighboring driveways, visibility offered to drivers, etc.

5) The City Engineer, or designee, shall determine the maximum length of time the bin shall be allowed to remain on the City street, (NOT more than ten (10) days except in extraordinary circumstances at the sole discretion of the City Engineer or designee).

6) The completed application and recommendation shall be considered by the City Engineer, or designee, for approval/disapproval.

7) The applicant shall be notified of approval/disapproval.

8) If approved, the applicant shall furnish the necessary insurance and pay the associated fees based per city fee schedule based on duration of described permit.

Fee Payment

Storage Containers – Estimate for Public Works Street Occupancy Permit

Per City Fee Schedule (FY13)	**1-3 Days**	**4-10 Days**
Processing Fee	$41.75	$41.75
Inspection per week	$88.02	$88.02
Rental	$47.29	$85.83
Total	**$177.06**	**$215.60**

Fees are based on 500 square feet or less

Contact information as follows:

Department of Public Works
Engineering Services Section
175 N. Garfield Avenue
Pasadena, CA 91101
Phone (626) 744-4195
Fax (626) 396-8999
Email: pw-permits@cityofpasadena.net

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
	Special Notes: Unless otherwise noted, whenever a Deposit amount is listed, applicant pays processing fee plus deposit; a portion of these charges may be refunded if actual cost is less than processing/deposit fees collected.				
	Barricades Installation Fees - Delivery/Pick-up by City Staff				
972	Delivery and/or Pick-up by City Staff, Small Events (one City block)		$420.99		$430.33
973	Delivery and/or Pick-up by City Staff, Large Events (more than one City block)		$691.28		$706.62
	Barricades Rental Fee				
974	Non-Profit Rental and Neighborhood Block Parties		No Charge		No charge
975	All Others		$148.56		$151.86
976	Basic Nonrefundable Administrative Processing Fee		$40.85		$41.75
	City Hall Courtyard and Rotunda Rental				
	Residential/Local Hourly Rental Rates (4 Hour Minimum Required)				
977	Nonprofit Group		$310.18		$317.06
978	Private Individual		$310.18		$317.06
979	Commercial Group		$623.50		$637.33
	Non-Resident/Non-Local Hourly Rental Rates (4 hour Minimum Required)				
980	Nonprofit Group		$466.84		$477.20
981	Private Individual		$623.50		$637.33
982	Commercial Group		$946.21		$967.21
	Resident/Local - Hourly Set Up/Clean Up Rate				
983	Nonprofit Group		$130.55		$133.44
984	Private Individual		$130.55		$133.44
985	Commercial Group		$130.55		$133.44
	Non-Resident/Non-Local - Hourly Set Up/Clean Up Rate				
986	Nonprofit Group		$196.34		$200.70
987	Private Individual		$196.34		$200.70
988	Commercial Group		$196.34		$200.70

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
989	Rest Rooms Clean-up and restocking fee		$215.35		$220.13
990	Security Guard, Up to 4 hours (when restrooms are in use only)		Contract		Contract
991	Security Guard, Each Addtnl Hr, over 4hrs (when restrooms are in use only)		Contract		Contract
992	Fountain		$186.27		$190.40
993	*Cleaning/Security Deposit, Refundable*	*$783.29*		$800.67	
994	Event/Sound Monitor Permit Fee, per hour		$42.25		$43.18
995	Electrician Fee		$121.15		$123.83
996	Trash & Recycle Fees		$292.43		$298.91
	City Property - Damage reimbursement				
	Street Light & Traffic Signal Knockdown				
997	Knockdown located on State Highway		At Cost		At Cost
998	Knockdown located - other		At Cost		At Cost
999	Miscellaneous Accident Damage		At Cost		At Cost
	Condominium Conversions				
1000	*Review and Processing*	*$1,702.34*	At Cost	$1,000.00	At Cost
	Construction and Demolition				
	Administrative Review Fee				
1001	*Refundable Performance Security Deposit*	*Whichever is less, 3% of Project Valuation or $30,000*		*Whichever is less, 3% of Project Valuation or $30,000*	
1002	Commercial and City of Pasadena Projects New Construction		$307.04/5,000sq ft or portion thereof		$313.85/5,000sq ft or portion thereof
1003	Multifamily Residential New Construction (per unit)		$268.41		$274.36
1004	Single Family Residential New Construction (per unit)		$178.59		$182.55
1005	Tenant Improvements (includes residential additions) (per unit)		$61.61		$62.98
1006	*Construction Staging Plan Review And Monitoring*	*$543.08*	At Cost	*$555.13*	At Cost
	Easement Application				
1007	*Standard Easement*	*$1,378.58*	At Cost	*$1,409.18*	At Cost

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
1008	*Quitclain of Easement*	*$2,109.65*	At Cost	*$2,156.48*	At Cost
	Engineering Plan Review				
	Civil Design				
1009	*Per Sheet Up to 10 Sheets*	*$1,514.35*	At Cost	*$1,547.97*	At Cost
1010	*Per Sheet More than 10 Sheets*	*$1,020.90*	At Cost	*$1,043.56*	At Cost
	Street Light & Traffic Signal Design				
1011	*Street Light Plan Check (per sheet)*	*$1,002.61*	*At Cost*	*$1,024.86*	At Cost
1012	*Traffic Signal Plan Check (per sheet)*	*$2,464.74*	*At Cost*	*$2,519.45*	At Cost
1013	*Street Light Design (per sheet)*	*$4,616.16*	*At Cost*	*$4,718.64*	At Cost
1014	*Traffic Signal Design (per sheet)*	*$4,334.18*	*At Cost*	*$4,430.39*	At Cost
1015	*Street Light Installation (per pole). Cost of pole is separate.*	*$2,892.93*	*At Cost*	*$2,957.15*	At Cost
1016	*Street Light and Traffic Signal Relocation (per pole)*	*$6,443.83*	*At Cost*	*$6,586.88*	At Cost
1017	*Miscellaneous Street Light and Traffic Signal Relocation (per item)*	*$4,386.40*	*At Cost*	*$4,483.77*	At Cost
	Final Parcel Map Review				
1018	*Review and Processing*	*$2,046.99*	*At Cost*	*$2,092.42*	At Cost
	Final Tract Map Review				
1019	*Review and Processing*	*$2,402.08*	*At Cost*	*$2,455.40*	At Cost
	License Agreement Processing Fee [P.M.C. Sec. 3.24.030]				
1020	*License Agreement Processing Fee*	*$3,331.57*	At Cost	*$3,405.53*	At Cost
1021	Application Fee		$290.72		$297.17
	News rack Permit - Non-Refundable Administrative Processing Fee Applied to each Permit				
1022	Initial Application, per news rack		$44.54		$45.53
1023	Initial Application - Accelerated Implementation Program, per news rack		50% of Initial Application fee		50% of Initial Application fee
1024	Annual Permit, per news rack		$11.12		$11.36
1025	News rack Collection and Storage Fee, per news rack		$111.44		$113.90

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
1026	Plans And Specifications Mailing Fee (based on size)		At Cost		At Cost
	Public Improvement Permit				
1027	Non-Refundable Administrative Processing Fee Applied to Each Permit		$40.45		$41.34
1028	Drive Approach Repairs Or Widening		$145.33		$148.55
	Drive Approach Installation or Replacement				
1029	Residential		$228.25		$233.31
1030	Commercial		$316.55		$323.57
1031	Temporary Drive Approaches		$121.67		$124.37
	Sidewalk Repair, Installation or Replacement				
1032	0-100 Square Feet		$110.86		$113.32
1033	101-250 Square Feet		$222.87		$227.81
1034	251-500 Square Feet		$333.78		$341.19
1035	>500 Square Feet - Amount Per Square Fee		$1.00		$1.02
	Curb and/or Gutter, Installation or Replacement				
1036	Up to 10 Lineal Feet		$110.86		$113.32
1037	11-25 Lineal Feet		$222.87		$227.81
1038	26-50 Lineal Feet		$333.78		$341.19
1039	51-100 Lineal Feet		$556.65		$569.01
1040	>100 Lineal Feet - Amount per Lineal Ft		$5.20		$5.31
1041	Roof Drains, Installation or Replacement		$145.33		$148.55
	Storm Drains, Installation, Repair or Removal of Catch Basins, Culverts, Sewer Mains & Laterals				
1042	Up-25 Square Feet		$217.49		$222.32

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
1043	26-100 Square Feet		$343.44		$351.06
1044	101-500 Square Feet		$498.54		$509.60
1045	>500 Square Feet - Amount per square feet		$0.90		$0.91
1046	Saddle Charge (for Sewer Laterals)		$77.32		$79.03
1047	Wheelchair Ramp		$311.17		$318.08
1048	Manholes		$321.93		$329.07
1049	Manholes (each additional)		$43.03		$43.98
	Boreholes				
1050	1 To 5		$217.49		$222.32
1051	6 To 10		$255.19		$260.85
1052	11 To 20		$291.80		$298.27
1053	21 To 30		$327.31		$334.57
1054	31 To 40		$363.91		$371.99
1055	41 To 50		$400.52		$409.41
1056	51 To 60		$437.13		$446.82
1057	61 To 70		$473.73		$484.24
	Sidewalk Dining Occupancy Permit				
1058	Application (Occupancy)		$189.50		$193.70
1059	Annual Renewal Processing Fee		$78.33		$200.00
	Occupancy Fee (annual fee; based on Square Foot (SF) of area occupied & the land value of adjacent property)				
1060	Non-Refundable Administrative Processing Fee Applied to Each Permit		$40.85		$41.75
	Street Rental Location				
1061	Colorado Boulevard - Pasadena Avenue to Arroyo Parkway		$13.89		$14.19
1062	Green Street - Pasadena Avenue to Arroyo Parkway		$10.97		$11.20
1063	Union Street - Pasadena Avenue to Arroyo Parkway		$11.49		$11.74
1064	Holly Street - Fair Oaks Avenue to Arroyo Parkway		$10.97		$11.20
1065	Pasadena Avenue - Green Street to Union Street		$11.49		$11.74
1066	De Lacey Avenue - Green Street to Union Street		$11.49		$11.74

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
1067	Fair Oaks Avenue - Green Street to Holly Street		$12.85		$13.13
1068	Raymond Avenue - Green Street to Holly Street		$11.49		$11.74
1069	Arroyo Parkway - Green Street to Holly Street		$12.85		$13.13
1070	Los Robles Avenue - Union Street to Colorado Boulevard		$12.85		$13.13
1071	Marengo Avenue - Colorado Boulevard to Green Street		$11.49		$11.74
1072	Lake Avenue - Colorado Boulevard to California Boulevard		$12.85		$13.13
1073	California Boulevard - Lake Avenue to Pasadena Avenue		$11.07		$11.31
1074	Colorado Boulevard - Lake Avenue to Catalina Avenue		$7.62		$7.79
1075	Colorado Boulevard - Hudson Avenue to Lake Avenue		$6.37		$6.51
1076	Cordova Street - Hudson Avenue to Mentor Ave		$5.33		$5.44
1077	Green Street - Hudson Avenue to Mentor Avenue		$5.33		$5.44
1078	Del Mar Boulevard - Hudson Avenue to Mentor Avenue		$5.33		$5.44
1079	McCormick Alley		$9.40		$9.60
1080	Mercantile Place		$9.40		$9.60
1081	Mills Place		$9.40		$9.60
1082	Green Street - Mentor Avenue to Wilson Avenue		$4.70		$4.80
1083	Harkness Avenue - Colorado Boulevard to Walnut Street		$3.55		$3.62
1084	El Molino Avenue - Colorado Boulevard to Green Street		$3.55		$3.62
1085	Lake Avenue - Union Street to Colorado Boulevard		$8.67		$8.86
1086	Madison Avenue - Colorado Boulevard to Green Street		$3.55		$3.62
1087	Colorado Boulevard - Catalina Avenue to Hill Avenue		$7.62		$7.79
1088	Colorado Boulevard - Arroyo Parkway to Los Robles Avenue		$12.32		$12.59
1089	Colorado Boulevard - Sierra Madre Boulevard to Altadena Drive		$6.16		$6.29
1090	Chester Avenue - Colorado Boulevard to Walnut Street		$2.82		$2.88
1091	Fair Oaks Avenue - Green Street to California Boulevard		$9.50		$9.71
1092	Mentor Avenue - Colorado Boulevard to Union Street		$3.55		$3.63
1093	Allen Avenue - Casa Grande Street to Brigden Road		$4.07		$4.16
1094	Colorado Boulevard - Oakland Avenue to Hudson Avenue		$7.62		$7.79

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
1095	Colorado Boulevard - Hill Avenue to Allen Avenue		$8.56		$8.75
1096	Colorado Boulevard - Los Robles Avenue to Oakland Avenue		$10.13		$10.35
1097	Dayton Street - De Lacey Avenue to Fair Oaks Avenue		$8.04		$8.22
1098	MTA Right-of-Way: Between Holly Street and Union Street, Between Union Street and Colorado Boulevard, and between Colorado Boulevard and Green Street		$9.40		$9.61
	Refuse Storage Permit				
1099	Annual permit		$91.61		$93.64
1100	*Guarantee Deposit*	*$2,046.00*		*$2,091.00*	
1101	**Solid Waste Non-Exclusive Franchise Fee (Percent of Gross Monthly Receipts)**		23.066%		23.066%
1102	Solid Waste Franchise Application Fee		$254.21		$259.85
	RBOC Special Events Refuse Rates				
1103	Additional 30 bins dumped		NEW		$635.36
1104	Events ***over*** 25,000		NEW		$2,958.96
1105	Events ***under*** 25,000		NEW		$1,726.58
1106	UCLA games		NEW		$2,958.96
1107	Flea Market refuse rate		NEW		$1,244.83
	Refuse Collection Fees				

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
1108	100 Gallon Mixed Waste		$40.99		$40.99
1109	100 Gallon Mixed Waste - Commercial		$50.44		$51.55
1110	100 Gallon Mixed Waste - City		$50.44		$51.55
1111	32 Gallon Mixed Waste		$16.29		$16.29
1112	32 Gallon Mixed Waste - Commercial		$20.05		$20.49
1113	60 Gallon Mixed Waste		$26.44		$26.44
1114	60 Gallon Mixed Waste - Commercial		$32.54		$33.26
1115	60 Gallon Mixed Waste - City		$32.65		$33.26
1116	Admin/Refuse		$11.78		$11.78
1117	100 Gallon Mixed Waste Additional		$34.70		$34.70
1118	100 Gallon Mixed Waste Additional - Commercial		$42.70		$43.64
1119	100 Gallon Mixed Waste Additional - City		$42.70		$43.64
1120	32 Gallon Mixed Waste Additional		$13.44		$13.44
1121	32 Gallon Mixed Waste Additional - Commercial		$16.97		$17.34
1122	60 Gallon Mixed Waste Additional		$22.11		$22.11
1123	60 Gallon Mixed Waste Additional - Commercial		$27.55		$28.16
1124	TRUCK Roll out w/ MANUAL Rollout CHARGE		$23.63		$23.63
1125	Truck Rollout		$27.98		$27.98
1126	Backyard-1 House on lot		$43.39		$43.39
1127	Special Curb Backyard-1 House on lot		$43.39		$43.39
1128	60 mixed waste-15 UNIT MONTHLY		$572.72		$585.43
1129	Truck Rollout Additional		$6.99		$6.99
1130	Manual Rollout		$23.63		$23.63
1131	Manual Rollout - Commercial		$54.57		$55.78
1132	Manual Rollout Additional		$11.12		$11.12
1133	Manual Rollout Additional - Commercial		$23.14		$23.65
1134	Truck Rollout Commercial		$39.80		$40.68
1135	Truck Rollout 2nd Mix Waste - Commercial		$8.35		$8.53

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
1136	Lockable Recycling		$1.40		$1.40
	Refuse Collection Municipal Bins				
1137	1 BIN-1 pick-up per week CITY account		$157.34		$160.83
1138	2 BINS-1 pick-up per week CITY account		$226.68		$231.71
1139	2 BINS 2 pick-ups per week CITY account		$399.56		$408.43
1140	2 BINS-3 pick-ups per week CITY account		$572.44		$585.14
1141	2 BINS-5 Pick-ups per week CITY account		$918.20		$938.58
1142	3 BINS-1 pick-up per week CITY account		$296.02		$302.59
1143	3 BINS-2 pick-ups per week CITY account		$538.24		$550.18
1144	3 BINS-3 pick-ups per week CITY account		$780.46		$797.78
1145	3 BINS-5 pick-ups per week CITY account		$1,264.91		$1,292.99
1146	4 BINS-1 pick-up per week CITY account		$365.36		$373.47
1147	4 BINS-2 pick-ups per week CITY account		$676.93		$691.95
1148	4 BINS-3 pick-ups per week CITY account		$988.49		$1,010.43
1149	5 BINS-1 pick-up per week CITY account		$434.70		$444.35
1150	5 BINS-3 pick-ups per week CITY account		$1,196.51		$1,223.07
1151	6 BINS-2 pick-ups per week CITY account		$954.29		$975.47
1152	2 BINS-5 pick-ups per week CITY account 40%		$367.28		$375.43
1153	2 BINS-5 pick-ups per week CITY account 60%		$550.92		$563.15
1154	8 BINS-2 pick-ups per week CITY account		$1,231.66		$1,259.00
1155	30 BINS-1 pick-up per week CITY account		$2,168.25		$2,216.38
1156	9 BINS-2 pick-ups per week CITY account 35%		$479.62		$490.26
1157	9 BINS-2 pick-ups per week CITY account 65%		$890.72		$910.49
1158	Lifeline 60 MW		$27.36		$27.36
1159	14 BINS-3 pick-ups per week CITY account		$3,068.74		$3,136.86
1160	5 BINS-4 pick-ups per week CITY account		$1,577.42		$1,612.43
1161	Temporary BIN Service		$92.95		$92.95
1162	Additional BIN CITY account		$69.34		$87.21

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
1163	Temporary BIN CITY account		$92.95		$116.91
1164	Additional Temporary BIN CITY account		$92.95		$116.91
1165	Bulky Item Pick Up Charge, after 2 free pick ups have been exhausted - 1/4 ton		$49.39		$49.39
1166	Bulky Item Pick Up Charge, after 2 free pick ups have been exhausted - 1/2 parkway		$81.67		$81.67
1167	Bulky Item Pick Up Charge, after 2 free pick ups have been exhausted - full parkway		$103.72		$103.72
1168	Change Out - Residential		$35.81		$35.81
1169	Yard Waste Contamination		$19.71		$19.71
1170	Damaged Container - Residential		$76.73		$76.73
1171	Mixed Waste Overfill 1st Notice		$8.10		$8.10
1172	Mixed Waste Overfill 2nd Notice		$13.21		$13.21
1173	Compost BIN		Actual Cost		At Cost
1174	Compost BIN Delivery		$25.09		$25.64
1175	Additional Container Pickup - Residential		NEW		$13.21
1176	Additional Container Pickup - Commercial		NEW		$16.60
	Bin Collection Service - Residential				
1177	1 Bin - 1 Pick-up per week - Residential		$124.70		$124.70
1178	1 Bin - 2 Pick-ups per week - Residential		$202.36		$202.36
1179	2 Bin - 1 Pick-up per week - Residential		$171.91		$171.91
1180	2 Bin - 2 Pick-ups per week - Residential		$264.17		$264.17
1181	Additional Bin Pick Up - Residential		NEW		$69.34
	Bin Collection Service - Commercial				
1182	1 BIN-1 Pick-up per week-Commercial		$157.34		$160.83
1183	1 BIN-2 Pick-ups per week-Commercial		$260.87		$266.66
1184	1 BIN-3 Pick-ups per week-Commercial		$364.41		$372.49

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
1185	1 BIN-4 Pick-ups per week-Commercial		$467.95		$478.33
1186	1 BIN-5 Pick-ups per week-Commercial		$571.49		$584.17
1187	2 BINS-1 Pick-up per week-Commercial		$226.68		$231.71
1188	2 BINS 2 Pick-ups per week-Commercial		$399.56		$408.43
1189	2 BINS-3 Pick-ups per week-Commercial		$572.44		$585.14
1190	2 BINS-5 Pick-up per week-Commercial		$918.20		$938.58
1191	3 BINS-1 Pick-up per week-Commercial		$296.02		$302.59
1192	3 BINS-2 Pick-ups per week-Commercial		$538.24		$550.18
1193	3 BINS-3 Pick-ups per week-Commercial		$780.48		$797.80
1194	3 BINS-5 Pick-ups per week-Commercial		$1,264.91		$1,292.99
1195	4 BINS-1 Pick-up per week-Commercial		$365.36		$373.47
1196	4 BINS-2 Pick-ups per week-Commercial		$676.93		$691.95
1197	4 BINS-3 Pick-ups per week-Commercial		$988.49		$1,010.43
1198	4 BINS-4 Pick-ups per week-Commercial		$1,300.05		$1,328.91
1199	5 BINS-1 Pick-up per week-Commercial		$434.70		$444.35
1200	5 BINS-2 Pick-ups per week-Commercial		$815.61		$833.71
1201	6 BINS-3 Pick-ups per week-Commercial		$1,404.54		$1,435.72
1202	7 BINS-2 Pick-ups per week-Commercial		$1,092.98		$1,117.24
1203	6 BINS-2 Pick-ups per week-Commercial		$954.29		$975.47
1204	Additional BIN Pickup - Commercial		$69.34		$87.21
1205	Change Out - Commercial		$35.81		$45.04
1206	Damaged BIN - Commercial		$78.33		$98.52
1207	Confiscation charge commercial bin		$45.51 + tipping and storage fee		$46.52 + tipping and storage fee
1208	Confiscation charge roll off		$85.08 + tipping and storage fee		$86.96 + tipping and storage fee
1209	10 yard roll off box - up to 5 tons		$350.93		$358.72
1210	40 yard roll off box MSW - up to 5 tons		$357.98		$365.92
1211	40 yard roll off box C&D - up to 5 tons		$392.32		$401.02
1212	Delivery charge of roll-off		$75.97		$77.65

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
1213	Utility cart		Actual Cost		At Cost
	Recycling Event				
1214	Classic Car Show Entrance Fee		$21.62		$22.09
	Graffiti Removal - Restitution		**Will establish a restitution amount owed for prosecuted cases**		
1215	Graffiti Removal for areas up to 100 square feet		$152.96		$156.35
1216	Graffiti Removal for areas greater than 100 square feet		Actual Cost		At Cost
	Street Light Inspection				
1217	*Street Light Inspection*	*$772.84*	At Cost	*$2,500.00*	At Cost
	Street and/or Sidewalk Occupancy				
1218	Non-Refundable Administrative Processing Fee Applied to Each Permit		$40.85		$41.75
	General Occupancy				
	Duration (Areas of occupancy 1-500 Square Feet)				
1219	Sidewalk/Parkway Occupancy Inspection per month or portion there of		$71.07		$72.64
1220	Per Each Additional Square Foot over 500 Square Feet of Sidewalk/Parkway Occupied - Amount per square foot		$0.03		$0.03
1221	Street Occupancy Inspection Per Week or portion thereof		$86.11		$88.02
1222	Per Each Additional Square Foot over 500 Square Feet of Street Occupied - Amount per Square Foot		$0.0460		$0.04
	Rental (occupancy of the public right of way)				
1223	1-3 Days		$46.27		$47.29

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
1224	4-7 Days		$83.97		$85.83
1225	8-30 Days		$335.93		$343.38
1226	31-60 Days		$666.47		$681.26
1227	61-90 Days		$1,001.35		$1,023.58
1228	91-180 Days		$2,001.66		$2,046.09
1229	181 Days - 1 Year		$4,050.73		$4,140.66
1230	Per Each Additional Square Foot over 500 Square Feet - Amount per square Foot per day		$0.02		$0.02
	Film Occupancy				
1231	Processing		$47.36		$48.41
1232	Inspection (per location)		$69.97		$71.52
	Street Vacation, Summary Vacation, and Closing a Street Without Vacation				
1233	*Per Request*	*$5,413.63*		*$5,533.81*	
1234	Application Fee		$454.36		$464.44
	Temporary Street Closure/Special Events				
1235	Neighborhood block parties		No Charge		No Charge
1236	Non profit organizations		50% of Permit		50% of Permit
1237	Permit		$85.06		$86.95
	Tree Removal				
1238	Tree Removal - Amount set by Public Works Dept - subject to refund or additional billing.		$222.87		At Cost
1239	Tree Assessed Value of Removed Tree		TBD by City Crews based on ISA guide		TBD by City Crews based on ISA guide
1240	Tree Trimming - Admin. Charge in addition to pass-thru		$116.92		$119.51
	Trees planted by City Crews (Development)				
1241	24" Box (not including tree and materials)		$1,114.41		$1,139.14
1242	36" Box (not including tree and materials)		$1,491.27		$1,524.37

Fee #	Description	Revised FY 2013 Deposit	Revised FY 2013 Processing	Adopted FY 2014 DEPOSIT	Adopted FY 2014 PROCESSING
	PUBLIC WORKS DEPARTMENT				
	Trees planted by City Crews (Residential)				
1243	24" Box (not included tree and materials)		NEW		$265.00
1244	36" Box (not including tree and materials)		NEW		$647.25
1245	*Parks/Forestry Inspection*	*$564.67*	At Cost	*Deposit subject to work required*	At Cost
1246	Hazard Assessment Private Tree Inspection		$82.87		$84.71
	Utility Excavation Permit				
	Utility Cut Type and Area				
1247	Non-Refundable Administrative Processing Fee Applied to Each Permit		$40.85		$41.75
	Earth Cuts				
1248	0-50 Square Feet		$178.75		$182.71
1249	51-100 Square Feet		$264.85		$270.73
1250	>101 Square Feet (each add'l 100 Square Feet or portion thereof)		$86.11		$88.02
	Pavement Cuts				
1251	0-50 Square Feet		$232.58		$237.74
1252	51-100 Square Feet		$403.76		$412.72
1253	>101 Square Feet (each add'l 100 Square Feet or portion thereof)		$185.17		$189.27
1254	USA (Underground Service Alert)**		$55.98		$57.22
1255	Street Cut in Moratorium Street**		$117.34		$119.94
	**In certain cases, these special fees will be charged in addition to Excavation Inspection & Permit Processing fees listed above.				

Enclosure 6

123374 Pasadena OE

Project Deliverables List

Report Date *January 15, 2014*

Document No.	Engineering Discipline	Document Title	Current Rev. Date	Current Rev. No.	Released
081113	ARCHITECTURAL	HOLLOW METAL DOORS AND FRAMES	10-Oct-13	A	RFP
083323	ARCHITECTURAL	OVERHEAD COILING DOORS	10-Oct-13	A	RFP
087100	ARCHITECTURAL	DOOR HARDWARE	10-Oct-13	A	RFP
092900	ARCHITECTURAL	GYPSUM BOARD	10-Oct-13	A	RFP
093100	ARCHITECTURAL	CERAMIC TILE	10-Oct-13	A	RFP
095113	ARCHITECTURAL	ACOUSTICAL PANEL CEILINGS	10-Oct-13	A	RFP
096513	ARCHITECTURAL	RESILIENT BASE AND ACCESSORIES	10-Oct-13	A	RFP
096519	ARCHITECTURAL	RESILIENT TILE FLOORING	10-Oct-13	A	RFP
096723	ARCHITECTURAL	RESINOUS FLOOR COATING	10-Oct-13	A	RFP
096900	ARCHITECTURAL	ACCESS FLOORING	10-Oct-13	A	RFP
099123	ARCHITECTURAL	INTERIOR PAINTING	10-Oct-13	A	RFP
102113	ARCHITECTURAL	TOILET COMPARTMENTS	10-Oct-13	A	RFP
102800	ARCHITECTURAL	TOILET ACCESSORIES	10-Oct-13	A	RFP
105113	ARCHITECTURAL	METAL LOCKERS	10-Oct-13	A	RFP
123200	ARCHITECTURAL	MANUFACTURED WOOD CASEWORK	10-Oct-13	A	RFP
123553	ARCHITECTURAL	LABORATORY CASEWORK	10-Oct-13	A	RFP
133419	ARCHITECTURAL	METAL BLDG SYS SINGLE METAL PANELS WALLS AND ROOF	10-Oct-13	A	RFP
260000	ELECTRICAL	ELECTRICAL-MECHANICAL EQUIPMENT	10-Sep-13	D	RFP
260533	ELECTRICAL	NON-SEG BUS SPECIFICATION	9-Sep-13	A	RFP
261200.2	ELECTRICAL	MEDIUM VOLTAGE AUXILIARY TRANSFORMERS SPECIFICATION	9-Sep-13	B	RFP
262050	ELECTRICAL	LOW VOLTAGE MOTORS	10-Sep-13	C	RFP
262600	ELECTRICAL	PDC SPECIFICATION	9-Sep-13	B	RFP
263323.1	ELECTRICAL	125VDC BATTERY SYSTEM SPECIFICATION	9-Sep-13	B	RFP
262323.2	ELECTRICAL	24VDC BATTERY SYSTEM SPECIFICATION	6-Sep-13	A	RFP
480020	ALL	PASADENA SITE CONDITIONS	10-Sep-13	I	RFP
480033	ALL	NOISE CONTROL PERFORMANCE	10-Dec-13	B	RFP
480032.1	-	BALANCE OF PLANT CONTRACTOR PERFORMANCE TESTING	21-Oct-13	A	RFP
485072	MECHANICAL	COATING OF PIPING AND TANKS	9-Sep-13	A	RFP
485080	MECHANICAL	PIPING AND EQUIP INSULATION	18-Sep-13	A	RFP
485090	MECHANICAL	CATHODIC PROTECTION	9-Sep-13	A	RFP
485121	MECHANICAL	GENERAL SERVICE CONTROL VALVES	15-Jul-13	A	RFP
485172	MECHANICAL	FIELD FABRICATED TANKS - STEEL SPECIFICATION	15-Jul-13	A	RFP
485173	MECHANICAL	SHOP FABRICATED TANKS SPECIFICATION	10-Dec-13	C	RFP
485311.10	MECHANICAL	HORIZONTAL CENTRIFUGAL PUMPS – GENERAL SERVICE SPECIFICATION	10-Dec-13	C	RFP
485325.11	MECHANICAL	AMMONIA FORWARDING PUMP SKID SPECIFICATION	26-Jul-13	A	RFP
485422	MECHANICAL	SHELL AND TUBE HEAT EXCHANGER	9-Dec-13	B	RFP
485951.96	MECHANICAL	POTABLE WATER SYSTEM PUMP SKID	9-Dec-13	B	RFP
485952.05	MECHANICAL	CHEMICAL FEED SYSTEM - COOLING TOWER	14-Oct-13	B	RFP
485952.06	MECHANICAL	CHEMICAL FEED SYSTEMS - STEAM GENERATOR	14-Oct-13	B	RFP
485956	MECHANICAL	FIRE PREVENTION AND PROTECTION SYSTEM	29-Aug-13	A	RFP
485956.10	MECHANICAL	FIRE ALARM AND SIGNALING SYSTEMS	29-Aug-13	A	RFP
485956.30	MECHANICAL	FIRE WATER SPRINKLER SYSTEM	14-Oct-13	B	RFP
037-1758	ALL	SOIL EXCAVATION VOLUMES	18-Aug-11	A	RFP
037-5033	ALL	PASADENA GT-5 DESIGN CRITERIA	17-Dec-13	D	SPEC
037-4780	CONTROLS	PCS/CONTROL SYSTEM SPECIFICATION	10-Dec-13	B	SPEC
037-5056	ARCHITECTURAL	ARCHITECTURAL SCOPE OF WORK	23-Oct-13	B	SPEC
261300-1	ELECTRICAL	15KV SWITCHGEAR SPECIFICATION	10-Oct-13	B	SPEC
261300-2	ELECTRICAL	5KV SWITCHGEAR SPECIFICATION	10-Oct-13	B	SPEC
263323-2	ELECTRICAL	24VDC BATTERY SYSTEM SPECIFICATION	9-Sep-13	A	SPEC
A1-2-1	ARCHITECTURAL	CONTROL BUILDING MAIN FLOOR PLAN	10-Oct-13	D	SPEC
A1-3-1	ARCHITECTURAL	CONTROL BUILDING EXTERIOR ELEVATIONS	10-Oct-13	D	SPEC
A1-9-1	ARCHITECTURAL	CONTROL BUILDING & WATER LAB ROOM FINISH, DOOR AND WINDOW SCHEDULES	10-Oct-13	D	SPEC
A1-9-2	ARCHITECTURAL	CONTROL BUILDING & WATER LAB DOOR AND WINDOW DETAILS	10-Oct-13	D	SPEC
A2-1-1	ARCHITECTURAL	ROOF DEMOLITION PLAN	24-Sep-13	C	SPEC

123374 Pasadena OE

Project Deliverables List

Report Date *January 15, 2014*

Document No.	Engineering Discipline	Document Title	Current Rev. Date	Current Rev. No.	Released
A2-1A	ARCHITECTURAL	WELDING SHOP FLOOR PLAN	16-Jul-13	A	SPEC
A2-2-1	ARCHITECTURAL	MAINTENANCE SHOP MAIN FLOOR PLAN	10-Oct-13	D	SPEC
A2-2-2	ARCHITECTURAL	MAINTENANCE SHOP MEZZANINE	24-Sep-13	C	SPEC
A2-3-1	ARCHITECTURAL	MAINTENANCE SHOP EXTERIOR ELEVATIONS	24-Sep-13	C	SPEC
A2-4-1	ARCHITECTURAL	MAINTENANCE SHOP SECTIONS	10-Oct-13	D	SPEC
A2-5-1	ARCHITECTURAL	MAINTENANCE SHOP DETAILED PLANS	10-Oct-13	D	SPEC
A2-9-1	ARCHITECTURAL	ROOM DOOR FINISH SCHEDULES	10-Oct-13	D	SPEC
A3-1	ARCHITECTURAL	CONTROL BUILDING EXTERIOR ELEVATIONS	27-Mar-13	B	SPEC
A3-2-1	ARCHITECTURAL	WELDING SHOP FLOOR PLAN	24-Sep-13	C	SPEC
A3-3-1	ARCHITECTURAL	WELDING SHOP EXTERIOR ELEVATIONS	24-Sep-13	C	SPEC
A4-1	ARCHITECTURAL	CONTROL BUILDING & WATER LAB BUILDING SECTIONS	10-Oct-13	D	SPEC
A4-2-1	ARCHITECTURAL	WATER LABORATORY FLOOR PLAN	10-Oct-13	D	SPEC
A4-3-1	ARCHITECTURAL	WATER LABORATORY EXTERIOR ELEVATIONS	24-Sep-13	C	SPEC
C1-3	CIVIL	PRELIMINARY SITE PLAN LM6000 CONFIGURATION	2-Oct-13	K	SPEC
C3-1	CIVIL	PRELIMINARY GRADING & DRAINAGE PLAN GAS TURBINE/AXIAL EXHAUST	2-Oct-13	F	SPEC
C3-3	CIVIL	PRELIMINARY SITE SURFACING PLAN GAS TURBINE/AXIAL EXHAUST	2-Oct-13	A	SPEC
C3-4	CIVIL	CONSTRUCTION PARKING, LAYDOWN, STAGING AND ACCESS PLAN	2-Oct-13	A	SPEC
C3-5	CIVIL	PRELIMINARY SITE DETAILS GAS TURBINE/AXIAL EXHAUST	7-Oct-13	A	SPEC
CSK-1	CIVIL	BOREHOLE LOCATION PLAN	29-Apr-11	B	SPEC
E1-1A	ELECTRICAL	ELECTRICAL OVERALL CONCEPTUAL ONE-LINE DIAGRAM (LM 6000)	7-Jan-14	G	ADD 2
E1-2	ELECTRICAL	ELECTRICAL OVERALL CONCEPTUAL PDC BUILDING LAYOUT	10-Dec-13	E	ADD 2
E6-1	ELECTRICAL	ELECTRICAL UNDERGROUND NOTES AND LEGEND	4-Oct-13	A	SPEC
E6-10	ELECTRICAL	PROPOSED ELECTRICAL UNDERGROUND ROUTING	7-Jan-14	C	ADD 2
I1-1	CONTROLS	PLANT CONTROL SYSTEM ARCHITECTURE	30-Aug-13	A	SPEC
I1-2	CONTROLS	CONTROL ROOM WORKSTATIONS	30-Aug-13	A	SPEC
ISK1-1	CONTROLS	CONTROL SYSTEM ARCHITECTURE	26-May-11	A	SPEC
M1-1-1	MECHANICAL	GENERAL ARRANGEMENT GAS TURBINE/AXIAL EXHAUST	3-Jan-14	L	ADD 2
M1-1-6	MECHANICAL	TIE POINT DRAWING GAS TURBINE/AXIAL EXHAUST	3-Jan-14	E	ADD 2
M2-2-1	MECHANICAL	PROCESS FLOW DIAGRAM WATER BALANCE (W/ INLET CHILLING)	28-Feb-12	D	SPEC
M2-2-4	MECHANICAL	GLENARM INDUSTRIAL WASTEWATER	17-Jul-13	C	SPEC
M3-1-0	MECHANICAL	P&ID-COVER SHEET	15-Oct-13	E	SPEC
M3-10-1	MECHANICAL	P&ID-GLAND STEAM SYSTEM	6-Dec-13	E	SPEC
M3-1-1	MECHANICAL	P&ID - SYMBOLS AND LEGEND	15-Oct-13	C	SPEC
M3-11-1	MECHANICAL	P&ID-CONDENSATE SYSTEM	6-Dec-13	G	SPEC
M3-11-2	MECHANICAL	P&ID-CONDENSATE SYSTEM	6-Dec-13	G	SPEC
M3-11-3	MECHANICAL	P&ID-CONDENSATE SYSTEM	6-Dec-13	G	SPEC
M3-1-2	MECHANICAL	P&ID - SYMBOLS AND LEGEND	8-Oct-12	A	SPEC
M3-12-1	MECHANICAL	P&ID-CONDENSER AIR EXTRACTION	29-Nov-13	F	SPEC
M3-1-3	MECHANICAL	P&ID - SYMBOLS AND LEGEND	15-Oct-13	B	SPEC
M3-13-1	MECHANICAL	P&ID-CIRCULATING WATER SYSTEM	6-Dec-13	G	SPEC
M3-14-1	MECHANICAL	P&ID-AUXILIARY COOLING WATER SYSTEM	6-Dec-13	F	SPEC
M3-15-1	MECHANICAL	P&ID-COMPONENT COOLING WATER SYSTEM	15-Oct-13	D	SPEC
M3-15-2	MECHANICAL	P&ID-COMPONENT COOLING WATER SYSTEM	15-Oct-13	D	SPEC
M3-15-3	MECHANICAL	P&ID-COMPONENT COOLING WATER SYSTEM	15-Oct-13	E	SPEC
M3-16-1	MECHANICAL	P&ID-COOLING TOWER CHEMICAL FEED SYSTEM	13-Sep-13	D	SPEC
M3-17-1	MECHANICAL	P&ID-AQUEOUS AMMONIA SYSTEM	6-Dec-13	G	SPEC
M3-18-1	MECHANICAL	P&ID-FUEL GAS SYSTEM	6-Dec-13	G	SPEC
M3-18-2	MECHANICAL	P&ID-FUEL GAS SYSTEM	6-Dec-13	G	SPEC
M3-18-3	MECHANICAL	P&ID-FUEL GAS SYSTEM	13-Sep-13	A	SPEC
M3-19-1	MECHANICAL	P&ID-SERVICE AIR SYSTEM	15-Oct-13	E	SPEC
M3-20-1	MECHANICAL	P&ID-INSTRUMENT AIR SYSTEM	13-Sep-13	D	SPEC
M3-2-1	MECHANICAL	P&ID-GAS TURBINE INTERCONNECTIONS	15-Oct-13	E	SPEC
M3-21-1	MECHANICAL	P&ID-FIREWATER SYSTEM	15-Oct-13	D	SPEC
M3-22-1	MECHANICAL	P&ID-SERVICE WATER SYSTEM	15-Oct-13	E	SPEC
M3-23-1	MECHANICAL	P&ID-DEMINERALIZED WATER SYSTEM	15-Oct-13	E	SPEC
M3-23-2	MECHANICAL	P&ID-DEMINERALIZED WATER SYSTEM	15-Oct-13	C	SPEC

123374 Pasadena OE

Project Deliverables List

Report Date *January 15, 2014*

Document No.	Engineering Discipline	Document Title	Current Rev. Date	Current Rev. No.	Released
M3-24-1	MECHANICAL	P&ID-POTABLE WATER SYSTEM	15-Oct-13	E	SPEC
M3-25-1	MECHANICAL	P&ID-CHILLED WATER SYSTEM	6-Dec-13	F	SPEC
M3-26-1	MECHANICAL	P&ID-WASTEWATER COLLECTION SYSTEM	15-Oct-13	E	SPEC
M3-26-2	MECHANICAL	P&ID-WASTEWATER COLLECTION SYSTEM	15-Oct-13	D	SPEC
M3-27-1	MECHANICAL	P&ID-AUXILIARY STEAM SYSTEM	15-Oct-13	C	SPEC
M3-3-1	MECHANICAL	P&ID-OTSG INTERCONNECTIONS (EXHAUST GAS)	6-Dec-13	G	SPEC
M3-3-2	MECHANICAL	P&ID-OTSG INTERCONNECTIONS (STEAM)	6-Dec-13	G	SPEC
M3-4-1	MECHANICAL	P&ID-BOILER FEEDWATER SYSTEM	6-Dec-13	G	SPEC
M3-5-1	MECHANICAL	P&ID-HIGH PRESSURE STEAM	6-Dec-13	E	SPEC
M3-6-1	MECHANICAL	P&ID-STEAM TURBINE INTERCONNECTIONS	6-Dec-13	F	SPEC
M3-7-1	MECHANICAL	P&ID-STEAM DRAINS ￢ﾀﾓ DRAIN TANK	10-Dec-13	G	SPEC
M3-8-1	MECHANICAL	P&ID-STEAM AND WATER SAMPLING	15-Oct-13	D	SPEC
M3-9-1	MECHANICAL	P&ID-CYCLE CHEMICAL FEED SYSTEM	13-Sep-13	D	SPEC
M9-1	MECHANICAL	EQUIPMENT LIST	6-Dec-13	C	SPEC
M9-10	MECHANICAL	TIE-IN LIST	20-Nov-13	D	SPEC
M9-2	MECHANICAL	SERVICE INDEX	22-Nov-13	C	SPEC
SKE6-1	ELECTRICAL	EXISTING ELECTRICAL UNDERGROUND ROUTING	4-Oct-13	A	SPEC
SKE6-2	ELECTRICAL	EXISTING ELECTRICAL UNDERGROUND ROUTING	4-Oct-13	A	SPEC
SKM1-7	MECHANICAL	AMMONIA (EXISTING)	4-Dec-13	A	SPEC
SKM1-8	MECHANICAL	INTERIM/TEMPORARY CONFIGURATION	18-Dec-13	B	ADD 2
SKM1-9	MECHANICAL	FINAL CONFIGURATION	18-Dec-13	B	ADD 2

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
Air Compressor	Typical Drawing	10/06/08	1	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Air Compressor
260000	Elec-Mech Equip	09/10/13	D	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
261050	MV Motors	09/10/13	C	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
261200	GSU Transformer	09/10/13	G	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
262050	LV Motors	09/10/13	C	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
409413.22	CEMS	09/10/13	H	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
480020	Site Conditions	09/10/13	I	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
480031	Noise Control Perf	09/10/13	I	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
480032	Power Island Perf	09/10/13	H	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
481100	Combined Cycle PIE	09/10/13	N	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
485122.11	Steam Bypass Valves	09/10/13	E	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
485221	ST and TEWAC Generator	09/10/13	G	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
485222	GTG Aeroderivative	09/10/13	H	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
485311.10	Condensate Pumps	09/10/13	F	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
485311.20	Boiler Feedwater Pumps	09/10/13	H	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
485312	Circ Water & Aux Cooling Water Pumps	09/10/13	F	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
485374.21	Compressed Air System	09/10/13	H	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
485374.22	Fuel Gas Compressor	09/10/13	E	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
485413	OTSG Spec	09/10/13	I	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
485432	Surface Condenser	09/10/13	G	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
485471	Inlet Air Chiller	09/10/13	E	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
485491	Cooling Tower	09/10/13	F	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Att 24 Specs
485952	Condensate Polisher	08/24/12	F	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
ElectricBoiler brochure	ElectricBoiler brochure	-	11/10	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Aux Boiler Specs
ElectricBoiler Specifications	ElectricBoiler Specifications	-	11/10	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Aux Boiler Specs
ElectricBoilers Boiler Book	ElectricBoilers Boiler Book	-	11/10	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Aux Boiler Specs
CEMS	CEMS System Overview (Typical layout with optional equipment)	-	C	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\CEMS
PASADENA CHILLER GA	Chiller Module General Arrangement	09/12/12	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Chiller

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
969031	One Line Diagram	-	F	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Electrical Drawings
Attachment 4	Attachment 4 Scheduled Major Component RTS and Delivery Dates_GE_13Dec4	-	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Equip Delivery Sched
Gas Compressor1	Machinery Arrangement Feed Gas Compressor System	11/20/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Gas Compressor
Att 10.1 MID-TD-0000-1	Fuel Gases for Combustion in Aeroderivative Gas Turbines Sept 2009	9/2009	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GE MID TD Specs
Att 10.2 MID-TD-0000-3	Water and Steam Purity for Injection in Aero Derivative Gas Turbines June 2010	6/2010	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GE MID TD Specs
Att 10.3 MID-TD-0000-4	Compressor Cleaning for GE Aircraft Derivative Gas Turbines June 2010	6/2010	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GE MID TD Specs
Att 10.4 MID-TD-0000-5.	Liquid Detergent for GE Aircraft Aero Derivative Gas Turbines June 2010	6/2010	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GE MID TD Specs
Att 10.5 MID-TD-0000-6	Lubricating Oil Specification for GE Aircraft Aero Derivative Gas Turbines June 2010	6/2010	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GE MID TD Specs
7253049-969014	Plan & Elevation Turbine Control Panel	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Controls
7253049-969741	Instrument Loop Diagram Hydraulic Start System	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Controls
7253049-969742	Instrument Loop Diagram Ventilation & Combustion Air System	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Controls
7253049-969743	Instrument Loop Diagram Mineral Lube Oil System	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Controls
7253049-969744	Instrument Loop Diagram Turbine Lube Oil System	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Controls
7253049-969746	Instrument Loop Diagram Fire & Gas Protection System	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Controls
7253049-969750	Instrument Loop Diagram Nox Water Injections System	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Controls
7253049-969751	Instrument Loop Diagram Fuel System	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Controls
7253049-969753	Instrument Loop Diagram Water Wash System	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Controls
7253049-969755	Instrument Loop Diagram Auxiliary Systems	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Controls
7253049-969758	Instrument Loop Diagram Sprint System	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Controls
Pasadena CKOM -GTG Controls	LM6000 GE Aeroderivative Package	11/19/13	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Controls
7253049-969005	Electrical Symbols Abbreviations and Reference Data	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969006	Interconnect Plan Electrical	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969007	Interconnect Wiring Diagram Customer	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969009	Interconnect Cable Schedule	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969021	Plan & Elevation Generator Lineside Cubicle Cable Entry Top/Bottom	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969023	Plan & Elevation Generator Neutral Cubicle	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969031	One Line Diagram	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969032	Three Line Diagram Generator Metering	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
7253049-969035	Schedule Motor Control Center	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969037	System Schematic Generator Excitation	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969041	Schematic Diagram Circuit Breaker Control	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969044	Schematic Diagram Motor Control Centers	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969690	Area Classification Drawing Main Unit	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969767	Schematic Diagram DC Power Distribution	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969768	Schematic Diagram Critical Shutdown Path	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969769	Schematic Diagram Miscellaneous	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969930	Schematic Diagram Lighting & Distribution	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
7253049-969934	Schematic Diagram Communication	10/09/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
Brush_GTG_Curves	Electrical Data Sheet	10/23/13	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Electrical
969224	Installation Footprint Anchor Bolt and Shear Lug Location	-	H	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
120E4746	General Arrangement	10/18/12	G	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
7253049-969201	General Arrangement Main Unit - LH	11/12/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
7253049-969204	General Arrangement Air Filter	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
7253049-969219	General Arrangement Auxiliary Skid Left Hand	11/11/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
7253049-969221	General Arrangement Generator / Gearbox Mineral Lube Oil Skid	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
7253049-969224	Installation Footprint Anchor Bolt and Shear Lug Location	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
7253049-969293	Piping Penetrations Option LH	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
CD19671	Air Filter GE-AEP_GSX LM6000 with Chiller Coil	02/10/12	0	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
ElectricBoiler Dimensions and ratings	ElectricBoiler Dimensions and ratings	-	11-10	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
GA 69200	GA 9 Main Unit - RH	-	H	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
GA 969209	GA Sprint Skid	-	D	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
GA 969218	GA Auxiliary Skid Right Hand	-	H	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
GA 969221	GA Generator_Gearbox Mineral Lube Oil Skid	-	F	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
GA A0 321638800	GA Generator	07/17/12	C	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
Sample 00	ElectricBoiler sample drawing S-302-700kW @ 480V	06/08/10	00	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
SK-01	GE_STG_Sk1 - PWP Comments	11/15/12	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Arrangement Drawings
7253049-969232	Flow & Instrument Diagram Hydraulic Start System	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
7253049-969239	Flow & Instrument Diagram Ventilation & Combustion Air System	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
7253049-969244	Flow & Instrument Diagram Turbine Lube Oil System	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
7253049-969247	Flow & Instrument Diagram Turbine Hydraulic System	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
7253049-969248	Flow & Instrument Diagram Mineral Lube Oil System	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
7253049-969254	Flow & Instrument Diagram Fire & Gas Protection System	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
7253049-969260	Flow & Instrument Diagram Fuel System	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
7253049-969262	Flow & Instrument Diagram Water Wash System	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
7253049-969268	Flow & Instrument Diagram Sprint System Main Unit	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
7253049-969269	Flow & Instrument Diagram Water Injection Pump	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
7253049-969270	Flow & Instrument Diagram Sprint System Sprint Skid	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
7253049-969272	Flow & Instrument Diagram Auxiliary Systems	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
Inlet Air Chilling_Heating Conceptual Design_R3 add pre-cooler	Inlet Air Chilling_Heating Conceptual Design_R3 add pre-cooler	10/08/13	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
M005_(RG)_120E4746_SEP-12-2013	General Arrangement	09/12/13	G	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
M101_(RB)_230F5536_AUG-23-2013	Flow Diagram Steam System	08/23/13	B	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
M105 230F5512	Feedwater System	11/07/12	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
M106 203D7522 sheet 2	Condenser Terminal Points On Waterboxes	08/23/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
M106_(RA)_203D7522_AUG-23-2013	Condenser Terminal Points	08/23/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
M107_(RB)_120E4791_AUG-23-2013	Flow Diagram Circulating Water	08/23/13	B	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
M109 230F5537	Auxiliary Cooling Water System	01/28/13	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
M112_(RA)_230F5538_AUG-23-2013	Steam Drains System	08/23/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
M119 120E4734 Sheet 2	Flow Diagram Steam Turbine	08/23/13	C	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
M119_(RC)_120E4734_AUG-23-2013	Flow Diagram Steam Turbine	08/23/13	C	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
M125_(RA)_230F5539_AUG-23-2013	Condenser Air Removal System	08/23/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
M190_(RD)_230F5504_AUG-23-2013	Combined Cycle system Overview Diagram	08/23/13	D	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
M195 230F5496 sheet 2	Ammonia Dilution Heating Flow Diagram	02/07/13	B	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
M195_(RD)_230F5496_AUG-23-2013	Flow Diagram OSTG-1 Pressure	08/23/13	D	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\F&IDs and Flow Diagrams
7253049-969225	Lift Arrangement	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Lift and Shipping Info
7253049-969226	Shipping Data	10/16/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Lift and Shipping Info
PWP_Estimated Heaviest Lifts_Equipment Weights	PWP_Estimated Heaviest Lifts_Equipment Weights	-	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical\Lift and Shipping Info
7253049-000231	Flow & Equipment Symbols Mechanical	10/31/13	A	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Mechanical
Chart Only SNM Start up	Chart Only SNM Start up	04/02/12	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Performance Data
Pasadena CKOM - GT Inlet Air Conditioning	Turbine inlet Air Temperature Conditioning System	-	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\GTG\Performance Data
Attachment 12	Mechanical Completion Certificate	-	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Mechanical Completion
C12079-EI RevP	ONCE THROUGH STEAM GENERATOR ERECTION & INSTALLATION INSTRUCTIONS	09/13/13	0	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\OTSG
IST Start-Up Curve	OTSG Start-Up Curve	-	-	SPEC	Attachment A3-Reference Information \A.3.A City-Supplied Power Island Equipment Info\OTSG
OTSG Erection Training - SCR-CO - Revised	OTSG INSTALLATION AND ERECTION TRAINING PRESENTATION	03/01/13	-	SPEC	Attachment A3-Reference Information \A.3.A City-Supplied Power Island Equipment Info\OTSG
Pasadena CKOM - OTSG (IST)	Glenarm Repowering Project OTSG Design	11/15/13	-	SPEC	Attachment A3-Reference Information \A.3.A City-Supplied Power Island Equipment Info\OTSG
11303-001	General Arrangement LM6000 PG OSTG	11/01/13	P1	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
Typical OTSG Erection Drawings	Typical OTSG Erection Drawings	-	-	SPEC	Attachment A3-Reference Information \A.3.A City-Supplied Power Island Equipment Info\OTSG

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
Attachment 6	Performance Guarantees	2013	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Performance Data
Attachment 22	LM6000PG Degradation	02/01/13	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Performance Data
GE Guarantee Heat Balances	GE Guarantee Heat Balances	02/12/13	0	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Performance Data
Attachment 1.1	Scope of Supply GTG	2013	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Scope of Supply Documents
Attachment 1.2	Scope of Supply OTSG	2013	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Scope of Supply Documents
Attachment 1.3	Scope of Supply CEMS	2013	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Scope of Supply Documents
Attachment 1.4	Scope of Supply Mechanical and Fluid	2013	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Scope of Supply Documents
Attachment 1.5	Scope of Supply Terminal Points	2013	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Scope of Supply Documents
Attachment 1.7	Scope of Supply Engineering Design	2013	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Scope of Supply Documents
Attachment 1.8	Scope of Supply Commissioning and Startup	2013	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Scope of Supply Documents
Pasadena CKOM - GE BOP Mechanical	Steam Turbine & Generator Overview	11/19/13	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\STG
STG Layout For Information Only	Steam Turbine Layout (For Information Only)	-	0	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\STG
STG_Generator Curves for Information Only	REACTIVE CAPABILITY CURVE, EFFICIENCY CURVES, SATURATION CURVES	-	0	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\STG
Attachment 23	Obligations of Site Representatives	2013	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Technical Advisors
Attachment 5.1	Typical Site Test Measurement Procedures-Test Philosophy	2013	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Testing Documents
Attachment 5.2	Typical Site Test Measurement Procedures-Standard Field Testing Procedure for Emission Compliance Based on US EPA, ISO and EN Methodology	10/2011	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Testing Documents
Attachment 5.3	Typical Site Test Measurement Procedures-SPECIFICATION FOR GAS TURBINE GENERATOR PERFORMANCE TEST MEASUREMENT (SGTGPTM) LM6000 PC / PG SAC, NATURAL GAS FUEL	-	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Testing Documents
Attachment 14.1	GTG Training Descriptions	-	2	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Training
Attachment 14.2	Training Program	2013	-	SPEC	Attachment A3-Reference Information\A.3.A City-Supplied Power Island Equipment Info\Training
mitigation summary	Mitigation Summary	-	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\Air Permit
South Coast Facility Permit to Construct and Operate	South Coast Facility Permit to Construct and Operate	08/15/13	26	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\Air Permit
Title V Facility Significant Permit Revision	Title V Facility Significant Permit Revision	08/15/13	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\Air Permit
0 TOC	Environmental Impact Report-Table Of Contents	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
0 TOC_Revised	Environmental Impact Report-TOC Revised	3/2013	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
0 Executive Summary	Environmental Impact Report-Executive Summary	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
1.0 Introduction	Environmental Impact Report-Introduction	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
1.0 Introduction_Revised	Environmental Impact Report-Introduction_Revised	3/2013	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
2.0 Project Description	Environmental Impact Report-Project Description	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
2.0 Comments and Responses on DEIR_Revised	Environmental Impact Report-Comments and Responses on DEIR_Revised	3/2013	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
3.0 Environmental Setting	Environmental Impact Report-Environmental Setting	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
3.0 Corrections and Additions_Revised_Revised	Environmental Impact Report-Corrections and Additions_Revised_Revised	3/2013	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
4.0 Mitigation Monitoring and Reporting Program	Environmental Impact Report-Mitigation Monitoring and Reporting Program	3/2013	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
4.A Aesthetics	Environmental Impact Report-Aesthetics	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
4.B Air Quality	Environmental Impact Report-Air Quality	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
4.C Cultural Resources	Environmental Impact Report-Cultural Resources	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
4.D Greenhouse Gases	Environmental Impact Report-Greenhouse Gases	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
4.E Hazards	Environmental Impact Report-Hazards	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
4.F Land Use and Planning	Environmental Impact Report-Land Use and Planning	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
4.G Noise	Environmental Impact Report-Noise	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
4.H Water Supply	Environmental Impact Report-Water Supply	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
5.0 Alternatives	Environmental Impact Report-Alternatives	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
6.0 Other Environmental Considerations	Environmental Impact Report-Other Environmental Considerations	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
7.0 Persons and Organizations	Environmental Impact Report-Persons and Organizations	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
8.0 References	Environmental Impact Report-References	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
Appendix_Table_of_Contents	Environmental Impact Report-Appendix Table of Contents	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
Appendix A_Revised	Environmental Impact Report-Appendix Table of Contents_Revised	04/15/10	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
Appendix-A_NOP-IS-Scoping Meeting Materials	Environmental Impact Report-NOP-IS-Scoping Meeting Materials	09/16/11	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
Appendix-B_Air Quality Assessment Files	Environmental Impact Report-Air Quality Assessment Files	11/2012	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
Appendix-C_Greenhouse Gas Impact Assessment	Environmental Impact Report-Greenhouse Gas Impact Assessment	06/15/12	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
Appendix-D.1_Figures 1-13	Environmental Impact Report-Figures 1-13	-	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
Appendix-D_Hazardous Materials	Environmental Impact Report-Hazardous Materials	07/29/11	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
Appendix-E_Noise	Environmental Impact Report-Noise	01	12/2011	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
Appendix-F_Water Supply Documentation	Environmental Impact Report-Water Supply Documentation	05/23/12	2	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\EIR CEQA
GT 3&4 SWPPP (Draft)	GT 3&4 SWPPP (Draft)	01/31/03	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\SUSMP & SWPPP
PWP SUSMP	Stormwater Treatment Certification	02/03/03	-	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\SUSMP & SWPPP
Broadway Wastewater Permit Rev B	Broadway Wastewater Permit Rev B	07/31/12	B	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\Waste Water
Glenarm Wastewater Permit Rev C	Glenarm Wastewater Permit Rev C	07/18/13	C	SPEC	Attachment A3-Reference Information\A.3.B City-Supplied Permitting Information\Waste Water
20001-C-004-06 4-06	GSU foundation plan	12/08/03	2	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural
8-2-2368	Electrical Shop Plot Plan	10/16/69	4	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural\Pump Building Existing
8-2-2369	Electrical Shop Plan & Elevations	12/08/60	3	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural\Pump Building Existing
8-2-2370	Electrical Shop Mezzanine Floor Plan & Details	09/21/60	3	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural\Pump Building Existing
8-2-2371	Electrical Shop Floor Plan Anchor Bolt Setting Plan	06/21/20	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural\Pump Building Existing
8-2-2372	Electrical Shop Partial Deck Plan & Longitudinal Sect.	03/03/60	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural\Pump Building Existing
8-2-2373	Electrical Shop Basement Plan Sections & Details	02/17/69	2	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural\Pump Building Existing
8-2-2374	Electrical Shop North & Partial East Elevations & Roof Slab Over Room B1	06/21/60	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural\Pump Building Existing
8-2-2375	Electrical Shop Foundation Plan for New Deck Slab Basement Ramp & Room B1 Floor Slab	02/17/69	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural\Pump Building Existing
8-2-2376	Electrical Shop Reinforcing Details for Beams, Girders, Floor Slab & Ramp	06/21/60	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural\Pump Building Existing
8-2-2381	Electrical Shop Architectural Floor Plan & Room Elevations	02/17/69	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural\Pump Building Existing
8-2-2382	Electrical Shop Architectural Room Elevations	09/16/60	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural\Pump Building Existing
8-2-2383	Electrical Shop Miscellaneous Architectural Details	09/20/60	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural\Pump Building Existing
8-2-2384	Electrical Construction Shop Electrical Layout	09/15/60	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Architectural and Structural\Pump Building Existing

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
8-2-49	Circ Pipe Tunnels Demo 2	08/02/49	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Demolition Scope
8-2-49B	Circ Pipe Tunnels Demo 3	08/02/49	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Demolition Scope
8-2-49C	Circ Pipe Tunnels Demo 4	04/27/49	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Demolition Scope
8-2-1337	Overall Tunnel Demo 1	01/02/58	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Demolition Scope
8-2-1355	Stack Foundation Demo 5	11/01/56	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Demolition Scope
8-2-1670	Plot Plan Crane Rail Demo 6	02/26/62	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Demolition Scope
SKM-1	Existing Tunnels and Proposed Equipment Overlay	06/12/13	B	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Demolition Scope
2-2-1562	Underground Fair Oaks ave.	04/22/03	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Electrical
8-2-547	Receiving Stations and Dispatching Center Electrical Plot Plan	01/30/95	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Electrical
8-2-575	Powerhouse to Receiving Station Section A Interconnecting Tunnel Ground System	10/14/48	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Electrical
8-2-1341	General Arrangement of Existing Structures and Foundations	03/27/58	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Electrical
20001E004-01	Overall conduit routing plan & sect	04/10/03	4	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Electrical
20001E004-02	Overall conduit routing plan & sect	12/08/03	4	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Electrical
20001E004-03	Overall conduit routing plan & sect	12/08/03	4	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Electrical
20001E004-05	Conduit ductbank sect & misc sect	12/08/03	4	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Electrical
20001E004-13 004-13	Conduit ductbank details-GSU hv lines	12/08/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Electrical
8-2-6643, 6507, 6606, 6510, 6603, 6613 & 6602	Existing Trench and Sanitary Sewer East of Glenarm Building	-	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Electrical
Storm Drain and Conduit Trench Drawing	Storm Drain and Conduit Trench Drawing	04/10/03	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Electrical
V-228	UG Vault Standards	06/27/07	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Electrical
8-2-300	Fountain Drawing	09/02/38		SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Mechanical
20001-071R0	Waste Water F & ID	11/08/02	0	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Mechanical
20001-090	Flow & Instrument Diagram Ammonia System	05/19/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Mechanical

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
20001M001	Overall Site Plan GT 3 & 4	12/08/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Mechanical
20001P001-02	Key plan above ground and trenches	12/08/03	2	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Mechanical
20001P026-01	29% NH3 tank area above ground piping	12/08/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Mechanical
20001P026-02	29% NH3 tank area above ground piping	12/08/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Mechanical
20001-P-011-01	Piping and Plan Details Existing OWS	11/18/02	0	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Mechanical
Existing Oil-Water Separator	Existing Oil-Water Separator Manufacturer's Information	01/23/03	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Mechanical
Glenarm Parcel Map	Glenarm Parcel Map	08/09/04	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Survey Info
Glenarm Parcel Plan	Glenarm Parcel Plan	09/28/04	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Survey Info
Pasadena Glenarm Facility	Pasadena Glenarm Facility	-	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Survey Info
8-2-1002	General Location Plan	03/29/73	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Arrangement Dwgs Existing or Past
8-2-1477	Piping Arrangement	11/25/60	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Arrangement Dwgs Existing or Past
8-2-1669	Gas Equipment Building Miscellaneous Sections & Details	02/26/62	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Arrangement Dwgs Existing or Past
8-2-1670	Gas Equipment Building Plot Plan Paving & Yard Details	02/26/62	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Arrangement Dwgs Existing or Past
Site Water Utility Information	Site Water Utility Information	-	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Arrangement Dwgs Existing or Past
8-2-1355	Sootblowing Stack & Precipitator Support Foundations	11/05/56	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Civil
20001c002-01	Civil Key Plan Paving / Grading & U.G. Sewer PDF	12/08/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Civil
20001c002-01	Civil Key Plan Paving / Grading & U.G. Sewer CAD	12/08/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Civil
20001c002-03	Area 2 paving grading sewer	12/23/03	2	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Civil
20001c002-04	Area 3 paving grading sewer	12/23/03	2	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Civil
20001c006-04	Oily Water Separator foundation sections and details	03/06/03	0	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Civil
20001-c003-05	Civil Sections & Details	01/24/03	0	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Civil
8-2-6643, 6507, 6606, 6510, 6608, 6613 & 6602	Existing Trench and Sanitary Sewer East of Glenarm Building	6/1987	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Civil

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
8-2-49	Circ Pipe Tunnels	02/06/31	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Mechanical Tunnels
8-2-49B	Circ Pipe Tunnels	08/14/31	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Mechanical Tunnels
8-2-49C	Circ Pipe Tunnels	08/05/31	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Mechanical Tunnels
8-2-49D	Circ Pipe Tunnels	05/22/31	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Mechanical Tunnels
8-2-598	Circ Pipe Tunnels	10/03/50	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Mechanical Tunnels
8-2-949	Broadway to Glenarm Pipe Tunnel	12/22/65	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Mechanical Tunnels
8-2-1337	Station Service Plot Plan	01/02/58	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Mechanical Tunnels
20001P006-03	West end culvert piping	11/18/02	0	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Mechanical Tunnels
20001P006-04	West end culvert piping	05/19/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Mechanical Tunnels
20001P027-01	Pipe trench between culvert & NH3 tanks	12/16/02	0	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Mechanical Tunnels
20001P028-01	Demin Water Pump 158A & Pipe Trench	12/08/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Mechanical Tunnels
20001P028-02	East end culvert & trench piping details	12/08/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Mechanical Tunnels
20001P00601	Ammonia truck unloading and culvert piping	12/08/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Mechanical Tunnels
33W	Location of power plant water services	08/29/40	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
3716	Utility Drawings in Public ROW - Fair Oaks Ave - Glenarm to State St	03/27/87	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
20001-274-M	Oil Water Separator Flo Trend Systems	01/16/03	0	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
20001E011-04	Cathodic protection pipe pit area	02/24/03	0	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
20001P001-01	Key plan underground piping A	12/08/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
20001P003-01	GT 3&4 equipment drains underground	12/08/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
20001P004-01	GT3 area underground piping	12/17/03	1	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
20001P005-01	GT4 area underground piping	12/17/03	2	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
20001P009-01	NH3 tank area underground piping	12/16/02	0	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
20001P011-01	Oily water separator pit piping	11/18/02	0	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
20001-P-011-01	Piping Plan & Details Oily Water Separator Pit	11/18/02	0	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
Glenarm Plant Fire Protection Drawing	Glenarm Plant Fire Protection Drawing	06/30/03	3	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
GT1 GT2 UG GAS DWG	Piping Area III	04/30/75	4	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
k350 OWS flow diagram	k350 oil water separator flow diagram	10/11/02	A	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
Storm Drain and Conduit Trench Drawing	Storm Drain and Conduit Trench Drawing	04/10/03	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Existing PWP Dwgs\Underground\Underground Utilities
3626-04-02	GT-5 FIRSTPCRCorrectionEnvironmental Investigation	07/29/11	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Geotech Report and GPR
3626-04-02	GT-5 Environmental Investigation - 1 of 4 txt only	07/29/11	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Geotech Report and GPR\Enviro
3626-03	Geophysical Investigation	04/15/10	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Geotech Report and GPR\Geotech
3626-04-01	GT5 Geotechnical Investigation	08/01/11	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Geotech Report and GPR\Geotech
11195Hydrologue_ThermalResistivity_01	Soil Thermal Resistivity Tests	09/16/11	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Geotech Report and GPR\Soil Resistivity
geovisionthermal Resistivity	Soil Thermal Resistivity Tests	08/10/11	-	SPEC	Attachment A3-Reference Information\A.3.C Existing Site and Reference Drawings\Geotech Report and GPR\Soil Resistivity
Attachment 1.6 Scope of Supply DOR	Attachment 1.6 Scope of Supply DOR	-	-	SPEC	Attachment A3-Reference Information\A.3.D Division of Responsibility
Completion Turnover Start-Up	GLENARM REPOWERING PROJECT SCOPE OF RESPONSIBILITY MATRIX	10/11/13	A	SPEC	Attachment A3-Reference Information\A.3.D Division of Responsibility
14-ST Steam Quality	Steam Quality	-	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
2014-01-08 GT5 Pre-Bid Meeting Introduction	2014-01-08 GT5 Pre-Bid Meeting Introduction	01/08/14	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
2014-01-08 GT5 Pre-Bid Meeting Local Participation	2014-01-08 GT5 Pre-Bid Meeting Local Participation	01/08/14	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
2014-01-08 GT5 Pre-Bid Meeting Working with Pasadena	2014-01-08 GT5 Pre-Bid Meeting Working with Pasadena	01/08/14	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
505-101 Sheet 01	Topographic Survey Pasadena Glenarm Facility	-	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
505-101 Sheet 02	Topographic Survey Pasadena Glenarm Facility	-	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
505-101 Sheet 03	Topographic Survey Pasadena Glenarm Facility	-	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
5065A0-C23	Generator outline dwg for reference	08/23/13	F	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
BOP RFP Pre-Bid Presentation 010814-updated	BOP RFP Pre-Bid Presentation 010814-updated	01/08/14	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
C8 foundation dwg	STG Foundatoin Drawing			ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
C8 Layout STG	Layout	04/30/08	2	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
8 Loading data STG Foundatio	Loading Data [kN]	-	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
Construction Staging and Traffic Management Plan	Construction Staging and Traffic Management Plan	-	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
Contracts_Purchase Orders_Permits Insurance Requirements	Contracts Purchase Orders Permits Insurance Requirements	-	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
ES-1000 Rev 9	Feedwater Quality Requirements for Superheated Steam Applications	07/22/11	9	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
Exhibit A - DW_221732D01	Drawing 221732C1	-	0	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
Exhibit B - HA_221732D01	Form 3.2.1-D	-	0	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
FY 2014 Adopted General Fee Schedule Part 2	FY 2014 Adopted General Fee Schedule Part 2	-	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
JV468844D	SPX Cooling Technologies Prelim Dwg - Basin Section & Details	10/22/12	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
JV4688445	SPX Cooling Technologies Prelim Dwg - Schematic View	10/22/12	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
Jv468844B	SPX Cooling Technologies Prelim Dwg - Basin Section & Details	10/22/12	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
Location and Working Hours	Location and Working Hours	-	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
Moving Permit Application - For Wide Load and Heavy Equipment	Moving Permit Application - For Wide Load and Heavy Equipment	-	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
P12079-00 Jumper Tubes	Jumper Installation Proposal - IST	11/27/13	0	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
Public Right-of-Way Permit	Public Right-of-Way Permit	12/19/12	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
Rotor removal instructions _skid pan_	Rotor removal instructions skid pan	-	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
SK-8371-0	Condenser Outline Proposal Level (Proposal No. H-8371.HX)	-	0	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
Storage Container - Application	Storage Container - Application	07/01/13	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
Truck Route	Truck Route Map Exhibit 1	06/22/11	CAD90070A.MXD	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
11302-0004	Generic Flowsheet Dual Pressure OTSG W/ Burner, SCR & CO	02/20/06	P1	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
COP BOP Pre-Bid GE BOP Equipment_14Jan02	COP BOP Pre-Bid GE BOP Equipment	01/08/14	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
IST Presentation 20140108 (NXPowerLite)	IST Presentation 20140108 (NXPowerLite)	01/08/14	-	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2

123374 Pasadena OE

Attachment A3-Reference Information Documents

January 16, 2014

Document No./ Filename	Document Title	Current Rev. Date	Current Rev. No.	Released	Location
LM6000_Package_Layout_Evolution1.5.14r1	LM6000 Package Layout Evolution	-		ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2
Bidder's Questions 2013-01-15 Rev 0	Bidder's Questions	01/15/14	0	ADD 2	EMAT\Procurement\Packages\BOP Contractor Scope\Addenda\Addendum 2

Enclosure 7

City of Pasadena - Glenarm GT5
Pre-Bid Meeting Questions
Revision 0

Last Updated January 15, 2014

Question #	Question	Answer	Status	Responsible Party
1	Drawing E3-10 shows a vault identified under note 4 and located at the east end of the Glenarm building. The scope document indicates that this vault is for the 17.2 kV feed form the dispatch center. Given it's location it would appear that it is intended to be inserted in the existing 17.2kV trench on the east of the building as shown on sketch 6-1. Please clarify the intended use and location of this vault.	Location to be determined by the BOP with the intention of feeding through this vault for 17.2Kv feed to the PDC.	CLOSED	
2	The fire marshal (FM) has dictated that the auxiliary lube oil skids/containers be misted/sprinkled. We heard this at the bid meeting on 1/8/14. What does PW&P expect for containment of the oil & water. Depending on the spray volume, this could be a significant quantity and flow of oil & water.	For indoors, the containment would be expected to hold the contents of the largest single container of material, plus 20 minutes of fire flow. For outdoors, the containment would be expected to contain the same, plus the volume of 24 hours of rainfall from a 25 year storm unless it's protected from rainfall. Drainage from the containment area should be sized for the amount of fire flow and rainfall, as applicable.	CLOSED	
3	The scope requires a soil resistivity test after soil removal & recompaction. Presumably this is for grounding design. Is the engineer required to wait to complete a grounding design until after this is complete?	Resistivity values provided can be used to initiate design. Post-backfilling tests should be performed to confirm values.	CLOSED	
4	The containment area fill for future lay down appears to be at a different elevation than the surrounding roads/asphalt. Please confirm elevations to determine if we need to dedicate space in the area for ramping.	The lay down area is approximately 12" higher than the surrounding asphalt. The BOP Contractor will need to plan how to deal with the change in elevation.	CLOSED	
5	Confirm whether a licensed structural engineer is required for the project. i.e. is a licensed civil engineer is acceptable for design of structures for this project.	PWP requires a licensed structural engineer.	CLOSED	
6	Clarify how ADA requirements apply for the site. i.e. what buildings are required to be ADA?	ADA requirements apply to the control and maintenance buildings.	CLOSED	
7	Does the new fence/wall along Fair Oaks need to be built first, or can it be built near the end of the project?	The decision lies with the BOP contractor.	CLOSED	
8	Clarify if a firewall or blast wall is required between gas compressors and control building.	It is a protection wall and yes it is required.	CLOSED	
9	Section 262600 (Power Distribution Center) Section 2.9-B-1 requires a 5' clearance under the PDC and Section 5.5 states 8' clearance; please clarify	Actual clearance is to be 6' to bottom of steel.	CLOSED	
10	Specification LD-13-14, 7.2 states water use cost by contractor and scope of work page 140 states water use cost by City of Pasadena; please clarify.	Point of water connection provided by city; cost of water usage by BOP	CLOSED	

City of Pasadena - Glenarm GT5
Pre-Bid Meeting Questions
Revision 0

Question #	Question	Answer	Status	Responsible Party
11	Is any epoxy grout required for the GE supplied equipment?	Assume none for bid purposes. Grout specifications (in accordance with project design specifications) grout shall be non-shrinkable, at all ages, when tested in accordance with American Society for Testing and Materials (ASTM) C-827. Effective bearing area shall not be less than 95% in hardened state when tested in accordance with ASTM C-827. If using an epoxy grout for use around turbine and generator skid and anchor bolt, grout must meet requirements of Corps of Engineers CRD C-621 and ASTM C-1107. Peak exotherm of a cylinder of grout material 2 inches in diameter and 4 inches high shall not exceed 95 °F (35 °C), when tested at material and laboratory temperatures of 75 °F (24 °C). Working life of grout shall be 60 minutes minimum at 75 °F (24 °C).	CLOSED	
12	Can testing water be supplied?	Yes at metered cost to the BOP Contractor	CLOSED	
13	Can 70F testing water be supplied for Section 1 hydros?	Assume a package boiler may be required.	CLOSED	
14	Is the onsite resident engineer requirement of scope of work Section C.4.1.2 for a full time requirement?	It is the responsibility of the BOP Contractor to provide engineers as needed.	CLOSED	
15	Attachment 4 of GE document (schedule major component, TES and delivery dates) based on GE provided NTP of September 27, 2013. Was NTP provided on September 27, 2013?		OPEN	Dave Tateosian
16	Section 485312 (circulating water pumps) section 1.2-A-2 states one speed drive motors and Section 1.7-A-8 states two speed motors; please clarify.	The circulating water pump motors are single speed	CLOSED	
17	Section 480031-2 (noise control performance) section 2.2 refers to attachment 6 - performance guarantees and part 3 refers to contract liquidated damages. Can not located liquidated damages in contract.	The BOP contractor does not need the GE Liquidated Damages as they do not apply to the BOP	CLOSED	
18	When will design information be received for the PIE equipment?		OPEN	Dave Tateosian
19	Are there permit requirements tied to construction of the wall along Fair Oaks?	There are permit requirements tied to the construction of the wall.	CLOSED	
20	IST is a mandatory subcontractor that is not local. The welding could be self-performed. How will the IST subcontract be considered towards the local content criteria?	The orbital welding on the IST equipment is proprietary in both equipment and procedure and the BOP Contractor must subcontract with IST. As IST is not local to Pasadena, this subcontract does not count towards the 15% goal.	CLOSED	
21	In the RFP documents, there are two references mentioned for seismic design criteria. One is based on 2013 CA Building Code (CBC), the other is based on ASCE 7-05 which is 2010 CBC. Which version of CBC is to be used for project design?	CBC 2013 is required.	CLOSED	
22	Have you had conversations with the building trades on how they could support the 25% local hire requirements considering their collective bargaining provisions?	Yes and the building trades feel confident that the 25% requirement can be achieved.	CLOSED	

City of Pasadena - Glenarm GT5
Pre-Bid Meeting Questions
Revision 0

Question #	Question	Answer	Status	Responsible Party
23	GE BOP equipment lists 'preferred suppliers' as opposed to chosen suppliers. Are these suppliers fixed or subject to change?	General Electric should have all of their suppliers defined by mid-February. At this time the OTSG is by IST, the STG by Shin Nippon, the steam turbine enclosure by ATCO, and the fuel gas compressors by Kobelco. As pieces of equipment is finalized by GE, we will notify the bidders by Addendum.	CLOSED	
24	Will a water analysis data sheet be provided for the BOP to design and procure the chemical feed system?	Yes. Refer to condensate polisher spec. A3	CLOSED	
25	Are start up and commissioning chemicals to be provided by BOP as well as initial 'fills'	Yes.	CLOSED	
26	Does the BOP contractor work with GE and/or ATCO (the steam turbine enclosure provider) directly during proposal development for load requirement of piping and cable trays?	The steam turbine enclosure will only be used to support the fire sprinkler piping.	CLOSED	
27	For what equipment will GE supply 3D models? GTG? STG? OTSG?		OPEN	Diane Donovan
28	BOP contractor required to contract with cooling tower manufacturer for field erection; provide cooling tower vendor information.		OPEN	Diane Donovan
29	Please confirm material requirement for feed water & condensate piping, or if carbon steel A106 is suitable	Please refer to P&IDs. Given the need for high purity water for the OTSG, all condensate & BFW piping is stainless steel.	CLOSED	
30	Is hazard assessment surrey reports on all asbestos containing areas available?		OPEN	Dan Angeles
31	Is a list of hazardous waste sites available?		OPEN	Dan Angeles
32	What permits and inspections are required for historical structures?		OPEN	Dan Angeles
33	Should fire protection system for control be water mist or FM200?	The control room will have water mist pre-action system.	CLOSED	
34	Please specifically state that the STG fire protection by the BOP Contractor shall be pre-action fire water and deluge if required for STG bearings and lube/hydraulic oil systems. No clean agent gasses are planned.	The STG fire protection requirements are defined in the Specification. No clean agent is required. STG roof preaction, STG bearings preaction with rate of rise detections, and STG lube oil deluge are all required.	CLOSED	
35	Please confirm aircraft warning lights are supplied if required by local codes for the exhaust stack.	No aircraft warning lights are required	CLOSED	
36	Please confirm all IST pressure/temperature instruments are provided and rack mounted and that the BOP Contractor is responsible only for junction boxes, tubing, and wiring.	Refer to M195 in A.3 owner supplied equipment. Items shown with an asterisk are supplied by IST. TEs will be supplied by IST. All other instruments by BOP.	CLOSED	
37	In the RFP documents seismic design values based on CBC 2010 have been provided. During pre-bid meeting, it has been cleared that 2013 version of CBC will be used. Can you provide us with the new seismic design values based on CBC, 2013 version	The seismic design values did not change from 2010 to 2013. However it is up to the Bidder to select the proper values as they will be the responsible engineer for the project. The values provided in the Specification are to be used as general guidance only.	CLOSED	
38	Clarify/confirm/identify what drawings/calculations are required to be submitted to city for review		OPEN	Dave Tateosian

City of Pasadena - Glenarm GT5
Pre-Bid Meeting Questions
Revision 0

Question #	Question	Answer	Status	Responsible Party
39	Hyrdologue Inc. representative stated during the pre-bid meeting that additional soil samples have been taken for soil contamination determination. Hyrdologue also stated that no critical contamination levels are anticipated for the project site. Will it be possible for us to get the new soil contamination results as they are available?		OPEN	Hyrdologue
40	Please define all GE loads & utilities after an emergency shutdown as well as duration, voltage phase, etc. Relevant to safe & proper shutdown of GT & STG & other BOP equipment within GE/IST scope of supply.		OPEN	Diane Donovan
41	Please define length and diameter of P91/P11/P21 alloy piping materials for interconnecting piping to silencer and/or any other known equipment interconnects to IST/GE equipment		OPEN	Diane Donovan
42	Please confirm if SS liner is required by GE/IS for any de-superheater or bypass piping interconnections or if P91/P11/P21 is required.		OPEN	Diane Donovan
43	Equipment doors on west side open into firewall behind GSU XFMR. What is concept for truck access for equipment removal?	The platforms provided by BOP will need to allow for equipment removal	CLOSED	
44	Are the GE provided panels that are shown on E1-2 shown correctly? TCP Mark VIE panels for CTG and STG often are 6-10 units. Including GPP for 2 units, exciter/AVR for STG, etc., is the allocated space sufficient?		OPEN	Diane Donovan
45	Is battery room required for QEL-CEL battery stacks? If required, is space shown sufficient for 125v battery and 24v battery?	Battery room is basis of bid and is required.	CLOSED	
46	In regards to local business participation obtaining 15% local procurement and subcontracting; do team members count as self-perform?	People performing work that are employees of the BOP Contractor count for self-performed work. Work performed by the any of the BOP Contractor's sub-contractors does not count as self-performed.	CLOSED	
47	In regards to local business participation obtaining 15% local procurement and subcontracting; how do you satisfy 15% requirement at bid time if 7% is material procurement from local Pasadena business?		OPEN	Antonio Watson
48	Will the prime receive credit towards the 15% local business, for transactions generated by our subcontractor?	Yes, the goal is that 15% of the BOP Contractor's subcontracted work be spent with local Pasadena businesses.	CLOSED	

Question #	Question	Answer	Status	Responsible Party
49	Local participation of 15% is required. It is understood this requirement pertains to subcontractor and procuring content combined. In other words if our price for subcontracted work is $10,000,000 and our price for procurement is $10,000,000 the aggregate is $20,000,000 therefore we would need to spend 15% of $20,000,000 ($3,000,000) on local Pasadena subcontractors and/or vendors. Please confirm this is correct	That is correct.	CLOSED	
50	When calculating total subcontractor and procurement dollars are we to include other costs such as sales tax, bonds, markup in the calculation? Example: If procuring dollars are $10,000,000 exclusive of sales taxes and say sales taxes are 9% total procurement cost would be $10,900,000. If subcontractor content is $10,000,000 exclusive of bonds and bond cost are an additional 1% sub-value would then be $10,100,000. In summary, do we shoot for 15% of $20,000,000 or do we shoot for 15% of $10,900,000 plus $10,100,000 which totals $21,000,000?		OPEN	Antonio Watson
51	Does procuring for project apply only to permanent plant materials or could it include items such as small tools and consumables as well?	Small tools, equipment, and consumables count towards the 15%.	CLOSED	
52	Clarify the 15% local requirement. I.E. 15% applies to total subcontracted plus total procurement. Confirm if this includes taxes/fees, etc.	See responses to items 49 and 50.	CLOSED	
53	What is the evaluation criteria for the local preference point system? I.E., advertising is worth 5 points. What determines if the bidder receives full points at 5/5 versus partial points?		OPEN	Antonio Watson
54	GE is supplying the STG enclosure (building). Is GE responsible for building official/building permit requirements? If BOP contractor is responsible, who is responsible if the building official requires changes/additions?	General Electric is responsible for providing the design of the steam turbine enclosure. The BOP Contractor is responsible for working with the City's Building Department. If changes to GE suppied equipment are needed, those will be worked through the City's GT5 Project Team.	CLOSED	
55	On page 12 of scope of work, it is stated that "SWPPP and SUSMP permits will need to be obtained by the BOP contractor". On page 49 of the same document, under section G.11 it is mentioned "… development of SWPPP meeting all state and EPA regulators and supporting PWP in updating their SUSMP permit." Please clarify the scope of this SUSMP (standard urban storm water mitigation plan) on the BOP contractor side.		OPEN	Dan Angeles
56	What are the options of locations for hazardous material disposal?		OPEN	Dan Angeles

City of Pasadena - Glenarm GT5
Pre-Bid Meeting Questions
Revision 0

Question #	Question	Answer	Status	Responsible Party
57	What are the technical specs for flowable fill; if used?	This is the responsibility of the BOP Contractor since they are performing the construction. Flowable fill mixtures are usually specified to meet either a compressive strength or unit weight requirement. The compressive strength is typically measured by testing a 4 x 8 inch cylindrical test specimen in compression. The National Ready Mixed Concrete Association defines an "excavatable" flowable fill mixture as one with a compressive strength not exceeding 150 pounds per square inch. We do not have a formal technical spec for flowable fill. Standard criteria are: * Unit weight: 20#/CF to 145#/CF * Compressive Strength: 150psi max (any more than this will not allow for future ease of excavation) A typical mix uses approx. 100# cement, 250-300# fly ash, and the rest clean sand, water and selected admixtures…on a per cubic yard basis.	CLOSED	
58	On page 34 of scope of work there is a statement, "organics removed from the site will most likely be reduced this soil, if cleared organic material, can be used for fill on site per the geotech report." For proposal preparation, should we assume 1.3000cy is accurate and price accordingly?	You should base your bid upon the quantities provided.	CLOSED	
59	What are the safety training requirements for workers at the site? (how many hours?)		OPEN	Dan Angeles
60	Are drawings of maintenance shop available?	The Maintenance Building has been removed from the scope of the project.	CLOSED	
61	Are extended hours allowed for monolithic pours on the center-line foundation?	You should assume that the monolithic pours must be completed within the standard allowed work hours.	CLOSED	
62	Are there any extended time curing requirements?	Per ACI mass concrete requirements	CLOSED	
63	Will plant operations be allowed on Sunday?	Operations: yes Construction: no	CLOSED	
64	Will any historic building inspections be required?		OPEN	Dan Angeles
65	Will we utilize the plant's EPA processes for hazardous material?	Yes	CLOSED	
66	Will there be any CBO involvement?	There will not be a CBO in the sense of a California Energy Commission jurisdictional project. However the Pasadena Building Department does expect to review the project design as well as field inspections.	CLOSED	
67	Does the 15% requirement apply to the aggregate of subcontracting and procurement?	See responses to items 49 and 50.	CLOSED	
68	If we use a company that the city of Pasadena uses, but is not located within the city of Pasadena, does it count towards the 15%?	No	CLOSED	
69	Is the list of Pasadena firms classified by business type?	No, business type is not the criteria, location within the City of Pasadena is the critical criterion.	CLOSED	
70	Are there extraction points for the gear box?	There is a removeable panel on the GTG per the GE presentation. The STG gear box should be accessible through the roof.	CLOSED	
71	Is the generator rotor located out of the back?	The generator rotor for both the STG and the GTG will be to the west. Removeable panels will be provided by GE for both.	CLOSED	
72	Does the steam turbine include a removable roof?	Sections of the roof are removable.	CLOSED	

Question #	Question	Answer	Status	Responsible Party
73	Will GE define the requirements for the chemical feed systems?	They are included in the issued specifications	CLOSED	
74	Will GE be treating the boiler feed pumps for acoustics?	Yes, If necessary to meet their noise guarantee.	CLOSED	
75	Will the slides from GE's presentation be included in the addendum?	They are being distributed as part of Addendum #2.	CLOSED	
76	Is GE's equipment data current?	Yes	CLOSED	
77	Are the GE preferred vendors confirmed or yet to be determined?	See response to item 23.	CLOSED	
78	When will the bidders know GE's final equipment selections?	See response to item 23.	CLOSED	
79	It was noted that the steam turbine included shims, but are they also included with the gas turbine?	Shear lugs only for gas turbine	CLOSED	
80	Are the generator protective panels included with all devices?	Yes; the BOP is to have them installed in the PDC furnished by the BOP Contractor.	CLOSED	
81	Are the power requirements after shutdown defined?	See response to Item 40.	CLOSED	
82	Is the steam turbine grout or epoxy?	See response to Item 11.	CLOSED	
83	Are the erection plates designed for seismic activity?	Yes	CLOSED	
84	Will the erection plates be bolted and welded?	Yes	CLOSED	
85	Do the modules come prime or painted?	They will be delivered in a primed condition. It is the BOP contractor's responsibility to do touch ups	CLOSED	
86	Is there a recommended traffic-rated cover to protect pipes onsite?	It is the BOP Contractor's responsibility to provide adequate protection.	CLOSED	
87	Are the soil resistivity levels defined?	See response to Item 3.	CLOSED	
88	Are there any requirements for soil remediation in the lay-down yard following use?	The BOP Contractor must restore the laydown area to its as found condition	CLOSED	
89	Are there any architectural details for the 10' protection wall?	There are no architectural requirements.	CLOSED	
90	Is the PDC considered a habitable structure with ADA requirements?	No, there are no ADA requirements for the PDC.	CLOSED	
91	Can additional site visits be requested?	Yes, if scheduled in advance with at least one week's notice.	CLOSED	
92	Which version of the building code will be used on the project?	See response to Item 21.	CLOSED	
93	Are there any requirements to have external condensate storage during drain down of IST's equipment?	The plant design includes a 5,000 gal. Condensate Storage Tank	CLOSED	
94	Are gas blows allowed on the project?	No, natural gas blows are not allowed.	CLOSED	
95	Will the erection procedures for the LM6000 and OTSG be included in the bid package?	Yes, to the extend shown at the pre-bid meeting.	CLOSED	
96	Will the sign-in sheet be made available?	They are being distributed as part of Addendum #2.	CLOSED	
97	Does the CEMS package include the umbilical?	Yes	CLOSED	
98	Will the project primarily be using Donaldson filter houses?	Yes	CLOSED	
99	Does the existing 6’ x 4’ storm drain culvert lie within an easement? If so, please provide the recorded easement document with legal description and any encroachment restrictions.		OPEN	Dan Angeles

Question #	Question	Answer	Status	Responsible Party
100	Since the boilers and burners in the Glenarm Building are not being removed and there is no "seismic retrofitting" of the Glenarm Building, are "demolition" & "protection" plans and a "Historic American Building Survey (HABS) Level III recordation" required prior to any demolition within the Glenarm Building (see Mitigation Monitoring and Reporting Program (MMRP) Mitigation Measures CULT-1, -2 & -3), or for any other existing structure? And is an "interpretive architectural exhibit" required per MMRP Mitigation Measure CULT-2?		OPEN	Dan Angeles
101	Has PWP submitted "comprehensive pre-demolition asbestos" and "lead-based paint" surveys "for all existing buildings located on the project site" and a "soils management plan" for "excavation and grading activities on the project site" to the City of Pasadena Fire Department per MMRP Mitigation Measures HAZ-1, -2 & -5? If so, please provide the surveys and plan. If not, please let us know when they will be submitted and their expected approval.	The GT5 Repower EIR Mitigation Measure indicated that an asbestos/lead survey and soil management plan shall be submitted to Pasadena Fire prior to demo. The Mitigation Measure and reporting Program (MMRP) from the EIR is in the BOP Contractor Specification. As the City will not be occupying the Glenarm Building as part of this project, the asbestos and lead abatement will be limited to the structures that will be removed on the south side of the building (i.e., smoke stack, air compressor building, restroom, and piping in the tunnels outside the building that will be removed). There will be organic & lead contaminated dirt remediation. There are electrical transformers that contain < 2 ppm PCB based on PWP's latest sampling and analysis and there are old fuel oil lines in the tunnels that will be removed. The BOP Contractor could handle this as one work plan for everything or several separate ones. They'll need work plans for the following: - Lead/asbestos abatement on structures - Electrical transformer removal (assuming they are not just being sent as hazardous waste) - Cleaning and removal of fuel oil piping (assuming they are not just being sent as hazardous waste) - Soil remediation The work plans will need to demonstrate that the proposed contractor(s) is suitably qualified and licensed for the work, document the procedures used to remove and manage the hazardous materials from generation through disposal, and propose cleanup levels and sampling criteria based upon current regulatory standards. Pasadena Fire will charge $202/hour for review of submittals and reports, as well as required inspections. This rate is subject to escalation each fiscal yaer. Lead and asbestos work may also require additional submittals and/or permits from CalOSHA and/or AQMD.	CLOSED	
102	Can we design flexible & rigid pavement sections per the Soils Engineering Investigation's R-value tests of "60 and 67" (page 22) instead of per the paving thickness designs "outlined in section 9.0 Paving of the Soils Investigation Report" based on "an assumed R value of 35" (section 9.2, page 43)		OPEN	Gregg Harwood/Keith Waller
103	Is the reinforced concrete paving covering the "operating areas" to be designed for "heavy truck drives" (2nd to last paragraph in SOW, page 46)?	The intent is to have all concrete H-20 rated, with thickened areas for crane loading on the west side of the GTG and then also south of the cooling tower.	CLOSED	

City of Pasadena - Glenarm GT5
Pre-Bid Meeting Questions
Revision 0

Question #	Question	Answer	Status	Responsible Party
104	Please clarify the conflicting statements in the 3rd paragraph of SOW, page 49, regarding spill containment areas: "The containments shall be provided with sumps to pump out rain water or contaminated water." and "All spill containment areas shall be set to gravity drain to grade . . ."		OPEN	Dan Angeles
105	Is the existing on-site AC roadway running N. – S. between East State St. and the new plant proper to be removed and replaced, or can it be left in place to connect with the proposed new roadways on its west and north ends?		OPEN	Dan Angeles
106	What volume of "residual fuel oil" in the "asbestos insulated fuel oil piping" and "asbestos containing materials (ACM)" needs to be removed, remediated, and properly disposed (SOW sections A.7.1.i., page 6, and G.2, page 39)?		OPEN	Dan Angeles
107	Per SOW, paragraph 2, pages 5 & 6, of Addendum No. 1, can Hyrdologue serve as both the "geotechnical firm . . . present for all excavation and backfill activities on site" and the "third party geotechnical firm . . . required to be on site for all inspections, testing and reporting including compaction, soil testing, etc.?		OPEN	Dan Angeles
108	Please confirm that the contractor-provided "unit rates" for the "Quantities of soil to be excavated and recompacted, organic materials and lead contaminated soils to be removed from the site and concrete volumes to be demolished" will be used as both an extra to "account for additional material to be handled/removed" and as a "credit for materials not handled and removed" (SOW, section G.1, 3rd paragraph).	Yes, the unit rates that were requested are to be used to adjust up or down the BOP Contractor's cost based on actual volumes.	CLOSED	
109	Where is the Ground Penetrating Radar report in the RFP bid documents? If missing, please provide.	The GPR report is in the document 3626-03 Geophysical Investigation found in A.3.C/Reference & Preliminary Design Scoping/ Geotech Report and GPR / Geotech	CLOSED	
110	Does the 10 minute start requirement apply to the BOP Contractor?	The plant must meet a 10 minute start. The plant control system, plant design, and any equipment supplied by the BOP Contractor must work with the GE supplied equipment to achieve the 10 minute start.	CLOSED	
111				