



● **Board of Directors**  
***Engineering and Operations Committee***

5/9/2017 Board Meeting

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8-3

**Subject**

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Adopt CEQA determination and appropriate \$10.39 million; award \$1,219,809 contract to CopperTop Enterprises, Inc. to construct four houses at Hinds and Eagle Mountain Pumping Plants; award \$1,219,809 contract to CopperTop Enterprises, Inc. to construct another four houses at Iron Mountain and Gene Pumping Plants; and authorize: (1) design to add two new desert houses; (2) construction to refurbish approximately 89 desert houses; and (3) design to improve short-term accommodations at two pumping plants (Appropriation No. 15495)

**Executive Summary**

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This action authorizes comprehensive improvements to Metropolitan-provided employee housing and short-term accommodations at the Colorado River Aqueduct (CRA) pumping plants: (1) construction of eight new houses; (2) design of two additional houses; (3) refurbishment of approximately 89 houses; and (4) design to refurbish the kitchens and guest lodges at Eagle Mountain and Iron Mountain Pumping Plants.

**Timing and Urgency**

Metropolitan owns houses at each of the five CRA pumping plants and rents them to employees involved in operation and maintenance (O&M) of the CRA system. Housing is provided for assigned staff due to the remoteness of the facilities and to ensure an appropriate response time in the event of an emergency that could jeopardize aqueduct flows, damage equipment, or present a safety risk to employees or the general public. Staff recommends moving forward with four projects to address aging houses and support facilities that are deteriorating and in need of repairs.

**Project No. 1 - Addition of Eight New Houses** – This project will construct eight new houses: two each at Hinds, Eagle Mountain, Iron Mountain, and Gene Pumping Plants. The work will be executed via two contracts to fabricate and install manufactured homes, along with construction by Metropolitan forces to prepare the sites and extend utilities. These houses are needed to support ongoing O&M activities for the CRA system, and will replace eight deteriorated units that are planned to be demolished.

**Project No. 2 - Addition of Two New Houses** – This project will design two additional houses at Iron Mountain Pumping Plant to replace existing houses that require major renovation and are cost-prohibitive to repair.

**Project No. 3 - Renovation of Houses** – This project will refurbish approximately 89 houses that require minor or moderate levels of renovation. The total number of units to be addressed will be based on houses that are occupied full time and intermittently, as well as houses that may provide temporary accommodations for staff during long-term construction projects. The extent of renovations will depend on the condition and needs at each house, and may include: upgrading electrical and plumbing systems; installing new doors, windows, and cabinetry for kitchens and bathrooms; replacing roofs and heating, ventilating, and air conditioning (HVAC) units; repairing structural components such as roof joists and floor foundations; and interior and exterior painting. The goal of these renovations is to improve the existing houses, where practical, to a condition that is similar in nature and scope to the new houses constructed in Project No. 1.

**Project No. 4 - Renovation of Short-Term Accommodations** – This project will design improvements to the guest lodges and kitchens at Eagle Mountain and Iron Mountain Pumping Plants. These facilities provide important short-term accommodations to staff during round-the-clock shutdowns of the CRA and during extended rehabilitation projects. Many of the renovations needed are similar to those that will be performed under Project No. 3.

This work has been reviewed with Metropolitan's Capital Investment Plan (CIP) prioritization criteria and is included in the System Reliability Program. Funds for this action are available within Metropolitan's capital expenditure plan for fiscal year 2016/17.

## **Details**

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### **Background**

The CRA is a 242-mile-long conveyance system that transports water from the Colorado River to Lake Mathews in Riverside County. The CRA includes five pumping plants that are located in remote, isolated areas of the California desert. The aqueduct system was constructed in the late 1930s and was placed into service in 1941. Since the CRA's inception, Metropolitan has provided lodging or housing to employees involved in the construction, operation, and maintenance of the aqueduct system. Due to the remoteness of the pumping plants, the provision of housing ensures that staff is able to respond to emergency events in a timely manner.

Houses were initially constructed at the CRA pumping plants in the early 1940s. Expansion of the CRA's capacity in the 1950s led to the construction of additional houses. Since the 1960s, employee housing has been reduced from a maximum of 160 units to the current 100 units, primarily due to the increased availability of off-site housing near Intake and Gene Pumping Plants. At present, six houses are located at Intake Pumping Plant, 40 at Gene Pumping Plant, 28 at Iron Mountain Pumping Plant, 15 at Eagle Mountain Pumping Plant, and 11 at Hinds Pumping Plant.

Metropolitan has performed routine maintenance on each of the CRA houses since they were built, but following decades of continuous use and exposure to the harsh desert environment, deterioration has occurred. While most of the units can be renovated cost-effectively, several houses have deteriorated beyond repair and need to be replaced.

In December 2015, Metropolitan's Board authorized the initial steps of a comprehensive program to improve employee housing for the CRA, including design to replace eight houses in the near-term, concurrent with a detailed assessment of the condition of all Metropolitan-provided housing in the desert. In March 2017, a desert working group consisting of management and bargaining unit representatives was formed to provide a forum to communicate desert housing issues. Bids for two contracts were recently received for construction of the eight new houses, and staff recommends moving forward with that work at this time. The condition assessment of all CRA houses has also been completed. This effort included inspections of all foundations, roofs, interiors, exteriors, and utility systems. As a part of this assessment, each house was classified in one of three conditions:

Category 1 - House requires only minor work, estimated to cost less than \$35,000 per house.

Category 2 - House requires a moderate level of renovation, between \$35,000 and \$100,000 per house.

Category 3 - House requires major renovation. The cost could exceed \$100,000 per house.

Based on the condition assessment, a total of 26 units require minor work, 63 units require moderate renovation, and 11 units require major renovation or replacement.

In order to address the deficiencies identified in the condition assessment, staff recommends moving forward with four capital projects that will construct the eight new houses that were previously authorized, initiate design to construct two additional new houses, refurbish approximately 89 Category 1 and 2 houses requiring minor or moderate levels of renovation, and initiate design to upgrade kitchens and guest lodge facilities at Eagle Mountain and Iron Mountain Pumping Plants. Following are detailed descriptions of the four capital projects.

**Project No. 1 – CRA Housing Improvements – Addition of Eight New Houses – Construction (\$4,240,000)**

Eight new houses are planned at Hinds, Eagle Mountain, Iron Mountain, and Gene Pumping Plants. Four houses will be 1,422 square feet in area and will feature three bedrooms, two bathrooms, and a two-car detached garage. The other four houses will be 1,200 square feet and will feature two bedrooms, two bathrooms, and a single-car detached garage. The houses will be factory-manufactured and will have composite shingle roofing, exterior cement siding, a front porch, double-hung glazed windows, HVAC, dishwasher, electric range, and a refrigerator. The houses will be fabricated in sections at a factory, delivered to the pumping plants, and assembled on-site. The garages will also be fabricated in sections, delivered, and assembled on-site. This type of building construction is more cost-effective than typical house construction, especially at remote locations, due to the reduced time required on-site and the simplified logistics.

Construction of the houses will primarily be accomplished through a combination of two contracts and Metropolitan force construction to extend utilities and prepare the sites. Two houses will be installed each at Hinds, Eagle Mountain, Iron Mountain, and Gene Pumping Plants under the two contracts. Metropolitan force construction will include: rough grading of lots for all houses and garages; final grading after the houses are installed; and extension of utility services for sewer, potable water, fire water, and power. Some of the site work will also be handled with minor construction contracts that are planned to be awarded by the General Manager under his Administrative Code authority. This work may include: installation of hardscape such as walkways, stairs and driveways; and installation of minimal landscaping and surface drainage features.

The division of work differs from the original approach planned for construction of the eight houses. Under the original approach, the entire scope including site work, manufacture of the houses, and house installation was included within a single bid package that was advertised for bids in August 2016. On October 4, 2016, one bid was received for the work. That bid was rejected, and staff conducted a review of the project's approach, timing, design criteria, and its integration with planned utility improvements at each of the pumping plant villages.

Under the new recommended approach, two contracts will include the fabrication and installation of four new manufactured homes each, with detached garages, but will not include site work and off-site utility extensions. Specifications No. 1907 for the construction of four new houses was advertised for bids on March 1, 2017. As shown in [Attachment 2](#), three bids were received and opened for Specifications No. 1907 on April 4, 2017. The apparent low bidder requested to be released from its bid in accordance with the Public Contract Code, due to an inadvertent clerical error made during the bid process which materially changed its bid. Upon review of the request, the apparent low bidder was released from its bid. The second low bid from CopperTop Enterprises, Inc. in the amount of \$1,219,809 complies with the requirements of the specifications. The third bid was \$1,963,520. The engineer's estimate was \$1.2 million.

Specifications No. 1908 for the construction of four new houses was also advertised for bid on March 1, 2017. As shown in [Attachment 2](#), two bids were received and opened for Specifications No. 1908 on April 6, 2017. The apparent low bidder requested to be released from its bid in accordance with the Public Contract Code, due to an inadvertent clerical error made during the bid process which materially changed its bid. Upon review of the request, the apparent low bidder was released from its bid. The second low bid from CopperTop Enterprises, Inc. in the amount of \$1,219,809 complies with the requirements of the specifications. The engineer's estimate was \$1.2 million. Due to the specialized nature of the work, no Small Business Enterprise (SBE) participation was established for these contracts. However, CopperTop Enterprises, Inc. is an SBE firm and thus achieves 100 percent SBE participation on each contract.

This action appropriates \$4.24 million and awards two contracts in the amount of \$1,219,809 each to CopperTop Enterprises, Inc. to build a total of eight houses at four CRA pumping plants. In addition to the amount of the contracts, the requested funds include \$1.3 million for the Metropolitan force activities described previously; \$143,000 for construction inspection; \$111,000 for submittals review and record drawing preparation; \$88,000 for local agency permitting and project management; and \$158,382 for remaining budget. All inspection and support activities will be performed by Metropolitan staff.

The estimated cost of construction for the eight houses with detached garages, excluding site work and utility extensions, is \$2.44 million. The average cost per house is approximately \$305,000 or \$233/square foot. The estimated cost of construction for the site work and utility extensions in the villages is \$1.3 million.

**Project No. 2 – CRA Housing Improvements – Addition of Two New Houses – Design Phase (\$480,000)**

Following the condition assessment of all existing houses at the pumping plants, and a review of Metropolitan's long-term housing needs, two additional houses are recommended to be constructed at Iron Mountain Pumping Plant. The additional houses will be three-bedroom manufactured homes that are similar to those constructed in Project No. 1. The design phase activities will include development of drawings for the site grading and utility connections; local agency permitting; and receipt of competitive bids for manufacture and installation of the houses. The site work and utility extensions are planned to be constructed by Metropolitan forces in conjunction with the site work performed under Project No.1. All design activities will be performed by Metropolitan staff.

This action appropriates \$480,000, authorizes design of two new houses and detached garages at Iron Mountain Pumping Plant, and authorizes construction of the related site work. Requested funds include \$83,000 for design of the sitework and preparation of specifications; \$325,000 for Metropolitan force construction; \$30,000 for permitting, receipt of bids, and project management; and \$42,000 for remaining budget. The construction cost for these houses is expected to be consistent with the unit cost of the houses erected under Project No. 1. Staff will return to the Board at a later date for award of the construction contract.

**Project No. 3 – CRA Housing Improvements – Renovation of Houses - Construction (\$5,500,000)**

The planned renovations for approximately 89 desert houses may include: upgrading electrical and plumbing systems; installing new doors and windows; installing new cabinetry and counter tops for kitchens and bathrooms; replacing roofs and HVAC units; repairing structural components such as roof joists and floor foundations; replacing and upgrading flooring; interior and exterior painting; and abatement of hazardous materials, as needed. The extent of renovations will depend on the condition and needs of each house.

The goal of these renovations is to improve the existing houses, where practical, to a condition that is similar in nature and scope to the new houses constructed in Project No. 1. Due to the varying conditions of the existing houses, the total cost to renovate all 89 houses is difficult to estimate. As a result, staff will prioritize the work at 20 of the houses under a pilot program. While the renovation planning and construction will move forward for all of the houses, the work will be expedited for the initial 20 houses. Once the work at the 20 houses under the pilot program has been completed, staff will assess the results and costs, and will return to the Board with a recommendation and estimated cost to continue with the same level of renovations for the remaining 69 houses.

The renovations are intended to be completed expeditiously and in a cost-effective manner. Staff anticipates that the work will most efficiently be completed through a series of minor construction contracts. Contracts will be issued following receipt of competitive bids and are planned to be awarded by the General Manager under his Administrative Code authority to award contracts up to \$250,000. This flexible approach will allow staff to tailor the contracts to the specific needs at each village, and the availability of vacant houses or lodging for temporary accommodations while the work takes place. If any of the renovation contracts will exceed \$250,000, staff will return to the Board for award of the contract.

In order to move forward quickly with the renovations, temporary trailer housing will be provided at Hinds and Iron Mountain Pumping Plants so that occupied houses may be vacated prior to completion of the new houses. Metropolitan forces will grade and extend utilities to several new trailer pads at the two pumping plants to accommodate the temporary housing. In addition to the temporary trailers, short-term accommodations for relocated staff may be provided at Metropolitan's guest lodges located at Gene, Eagle Mountain, and Iron Mountain Pumping Plants. The improvements planned to the kitchens and guest lodges at the latter two facilities are included in Project No. 4.

This action appropriates \$5.5 million and authorizes construction to renovate up to 89 desert houses, including a pilot program to expedite the work at 20 of the units. The requested funds include \$308,000 for preparation of multiple procurement and construction specifications; \$4.2 million for the resulting contracts; \$127,000 for

permitting, receipt of bids, and project management; \$97,000 for inspection and support activities by Metropolitan staff; \$100,000 for Metropolitan force construction of the trailer pads; and \$668,000 for remaining budget.

**Project No. 4 – Renovation of Short-Term Accommodations at Eagle Mountain and Iron Mountain Pumping Plants – Design Phase (\$170,000)**

Eagle Mountain and Iron Mountain Pumping Plants have kitchens and guest lodges that are used by staff during shutdowns and construction projects, and during extended periods of condition assessments and design of rehabilitation work. These facilities will be used frequently over the next decade as the planned rehabilitation of the 45 main CRA pumps moves forward. In addition, the guest lodges and kitchens will provide short-term accommodations during the house renovations described above.

The kitchens at each pumping plant are approximately 500 square feet in size and are clean and orderly, but need to be refurbished. The kitchen at Eagle Mountain Pumping Plant does not currently meet San Bernardino County Health Services requirements for large-scale food storage, refrigeration, or handling. As a result, it has been removed from service. The 10-room guest lodge at Eagle Mountain Pumping Plant and the 16-room guest lodge at Iron Mountain Pumping Plant have both deteriorated after more than 40 years of service, and require frequent short-term repairs. Several rooms at each guest lodge are not available for use.

Needed improvements for the kitchens include replacement or refurbishment of existing floor and wall coverings, shelving, plumbing, electrical components, sink, range, freezer, and walk-in refrigerator. At the guest lodges, the needed improvements are similar to those that will be provided for the employee houses.

Planned design phase activities include preparation of drawings and specifications for procurement and improvements to the kitchens and guest lodges, development of a construction cost estimate, permitting with Riverside and San Bernardino Counties, and receipt of bids.

This action appropriates \$170,000 and authorizes design to renovate the guest lodges and kitchens at Eagle and Iron Mountain Pumping Plants. Requested funds include \$90,000 for preparation of multiple procurement and construction specifications; \$30,000 for receipt of bids, permitting and project management; and \$50,000 for remaining budget. The construction cost for this project is anticipated to range from approximately \$1.5 million to \$2.5 million. Staff will return to the Board at a later date for award of contracts that exceed the General Manager's Administrative Code Authority.

**Summary**

This action appropriates \$10.39 million; awards two contracts to construct eight houses at Hinds, Eagle Mountain, Iron Mountain, and Gene Pumping Plants; authorizes design of two additional houses; authorizes construction to renovate approximately 89 desert houses; and authorizes design to renovate the kitchen and guest lodge facilities at two pumping plants.

These projects are included within capital Appropriation No. 15495, the Operations Support Facility Improvements, which was initiated in fiscal year 2015/16. With the present actions, the total funding for Appropriation No. 15495 will increase from \$850,000 to \$11.24 million.

This work has been evaluated and recommended by Metropolitan's CIP Evaluation Team, and funds are available within the fiscal year 2016/17 capital expenditure plan. See [Attachment 1](#) for the Financial Statement, [Attachment 2](#) for the Abstracts of Bids, [Attachment 3](#) for the listings of Subcontractors for Low Bidders, and [Attachment 4](#) for the Location Map.

***Project Milestones***

December 2017 – Award of construction contract for two additional houses at Iron Mountain Pumping Plant, and completion of design to refurbish kitchens and guest lodges at Eagle Mountain and Iron Mountain Pumping Plants

Early 2018 – Completion of improvements at 20 houses under pilot program

March 2018 – Completion of construction of eight new houses at four CRA pumping plants

May 2019 – Completion of renovation of desert houses

## Policy

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Metropolitan Water District Administrative Code Section 5108: Appropriations

Metropolitan Water District Administrative Code Section 8121: General Authority of the General Manager to Enter Contracts

## California Environmental Quality Act (CEQA)

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### CEQA determination for Option #1:

#### **Project No. 1 – CRA Housing Improvements – Addition of Eight New Houses – Construction**

The proposed action was previously determined by the Board to be categorically exempt under Classes 1, 2, 3, 4 and 6 (Sections 15301, 15302, 15303, 15304 and 15306 of the State CEQA Guidelines) on December 8, 2015. Since that time, the statute of limitations on the project has ended. With the current action, there is no substantial change proposed since the original project was first approved in 2015. Hence, the previous environmental documentation in conjunction with the project fully complies with CEQA and the State CEQA Guidelines. Accordingly, no further CEQA documentation is necessary for the Board to act with regards to the proposed action.

The CEQA determination is: Determine that the proposed action has been previously addressed in the 2015 categorical exemptions (Classes 1, 2, 3, 4; and 6 Sections 15301, 15302, 15303, 15304 and 15306 of the State CEQA Guidelines) and that no further environmental analysis or documentation is required.

#### **Project No. 3 – CRA Housing Improvements – Renovation of Houses – Construction**

The proposed action is categorically exempt under the provisions of CEQA and the State CEQA Guidelines. The proposed project involves the funding; final design; and minor alterations, reconstruction or replacement of existing public facilities along with the construction of minor appurtenant structures with no expansion of use and no possibility of significantly impacting the physical environment. In addition, the proposed project involves minor modifications in the condition of land, water, and/or vegetation which does not involve removal of healthy, mature, scenic trees. Accordingly, the proposed action qualifies under Class 1, Class 2, Class 3, and Class 4 Categorical Exemptions (Sections 15301, 15302, 15303, and 15304 of the State CEQA Guidelines).

The CEQA determination is: Determine that pursuant to CEQA, the proposed action qualifies under four Categorical Exemptions (Class 1, Section 15301; Class 2, Section 15302; Class 3, Section 15303; and Class 4, Section 15304 of the State CEQA Guidelines).

#### **Project No. 2 – CRA Housing Improvements – Addition of Two New Houses - Design Phase; and Project No. 4 - Renovation of Short-Term Accommodations at Eagle Mountain and Iron Mountain Pumping Plants - Design Phase**

The proposed actions are categorically exempt under the provisions of CEQA and the State CEQA Guidelines. The proposed actions involve the funding, design, and minor modifications, reconstructions or replacements, along with the construction of minor appurtenant structures to existing public or private facilities involving negligible or no expansion of use and no possibility of significantly impacting the physical environment. The proposed actions may involve minor modifications in the condition of land, water, and/or vegetation, which does not involve removal of healthy, mature, scenic trees. In addition, the proposed actions consist of basic data collection and resource evaluation activities, which do not result in a serious or major disturbance to an environmental resource. This may be strictly for information gathering purposes, or as part of a study leading to an action, which a public agency has not yet approved, adopted, or funded. Accordingly, the proposed actions qualify for Classes 1, 2, 3, 4, and 6 Categorical Exemptions (Sections 15301, 15302, 15303, 15304, and 15306 of the State CEQA Guidelines).

The CEQA determination is: Determine that pursuant to CEQA, the proposed actions qualify under five Categorical Exemptions (Class 1, Section 15301; Class 2, Section 15302; Class 3, Section 15303; Class 4, Section 15304; and Class 6, Section 15306 of the State CEQA Guidelines).

**CEQA determination for Option #2:**

None required

**Board Options**

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**Option #1**

Adopt the CEQA determination that the proposed actions are or were previously determined to be categorically exempt, and

- a. Appropriate \$10.39 million;
- b. Award \$1,219,809 contract to CopperTop Enterprises, Inc. to construct four houses at Hinds and Eagle Mountain Pumping Plants;
- c. Award \$1,219,809 contract to CopperTop Enterprises, Inc. to construct four houses at Iron Mountain and Gene Pumping Plants;
- d. Authorize design of two new houses at Iron Mountain Pumping Plant;
- e. Authorize construction to renovate approximately 89 desert houses; and
- f. Authorize design to refurbish short-term accommodations at Eagle Mountain and Iron Mountain Pumping Plants.

**Fiscal Impact:** \$10.39 million in capital funds under Appropriation No. 15495

**Business Analysis:** This option will provide needed housing at the Colorado River Aqueduct pumping plants, and will improve facilities for short-term stays at the two most remote pumping plants.

**Option #2**

Do not proceed with housing improvements at the Colorado River Aqueduct pumping plants at this time

**Fiscal Impact:** None

**Business Analysis:** This option would delay the initiation of comprehensive improvements to employee housing and short-term accommodations at the Colorado River Aqueduct pumping plants.

**Staff Recommendation**

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Option #1

  
 \_\_\_\_\_ 5/1/2017  
 Gordon Johnson Date  
 Manager/Chief Engineer  
 Engineering Services

  
 \_\_\_\_\_ 5/2/2017  
 Jeffrey Knightlinger Date  
 General Manager

[Attachment 1 – Financial Statement](#)

[Attachment 2 – Abstracts of Bids](#)

[Attachment 3 – Subcontractors for Low Bidders](#)

[Attachment 4 – Location Map](#)

**Financial Statement for Operations Support Facilities Improvements Appropriation**

A breakdown of Board Action No. 3 for Appropriation No. 15495 for the new construction and renovation of employee houses and guest facilities at the CRA pumping plants<sup>1</sup> is as follows:

	<b>Previous Total Appropriated Amount (May 2017)</b>	<b>Current Board Action No. 3 (May 2017)</b>	<b>New Total Appropriated Amount</b>
Labor			
Studies & Investigations	\$ 232,000	\$ -	\$ 232,000
Final Design	45,500	481,000	526,500
Owner Costs (Program mgmt, bidding, permitting)	144,000	275,000	419,000
Submittals Review & Record Drwgs.	-	111,000	111,000
Construction Inspection & Support	-	240,000	240,000
Metropolitan Force Construction	8,000	1,725,000	1,733,000
Materials & Supplies	-	-	-
Incidental Expenses	2,000	-	2,000
Professional/Technical Services	350,000	-	350,000
Equipment Use	-	-	-
Contracts	-	-	-
CopperTop Enterprises, Inc.	-	2,439,618	2,439,618
Multiple renovation contracts	-	4,200,000	4,200,000
Remaining Budget	68,500	918,382	986,882
<b>Total</b>	<b>\$ 850,000</b>	<b>\$ 10,390,000</b>	<b>\$ 11,240,000</b>

**Funding Request**

<b>Appropriation Name:</b>	Operations Support Facilities Improvements		
<b>Source of Funds:</b>	Revenue Bonds, Replacement and Refurbishment or General Funds		
<b>Appropriation No.:</b>	15495	<b>Board Action No.:</b>	3
<b>Requested Amount:</b>	\$ 10,390,000	<b>Budget Page No.:</b>	245
<b>Total Appropriated Amount:</b>	\$ 11,240,000	<b>Total Appropriation Estimate</b>	\$ 35,100,000

<sup>1</sup> The total amount expended to date on the CRA housing improvements is approximately \$500,000.



**The Metropolitan Water District of Southern California**

**Abstract of Bids Received on April 4, 2017 at 2:00 P.M.**

**Specifications No. 1907  
Colorado River Aqueduct Employee Housing  
at Julian Hinds and Eagle Mountain Pumping Plants**

The contract includes construction of four manufactured homes with fire protection systems, detached pre-engineered garages, and subgrade and foundation preparation.

Engineer's Estimate: \$1,200,000

<b>Bidder and Location</b>	<b>Total</b>	<b>SBE \$<sup>1</sup></b>	<b>SBE %</b>
Kaveh Engineering and Construction, Inc. Yorba Linda, CA <sup>2</sup>	\$1,144,500	-	-
<b>CopperTop Enterprises, Inc. Orange, CA</b>	<b>\$1,219,809</b>	<b>\$1,219,809</b>	<b>100</b>
MGP Construction Upland, CA	\$1,963,520	-	-

<sup>1</sup> Due to the limited subcontracting opportunities, no SBE (Small Business Enterprise) participation was established for this contract.

<sup>2</sup> Kaveh Engineering and Construction, Inc. requested to be released from its bid in accordance with the Public Contract Code due to an inadvertent clerical error made during the bid process which materially changed its bid.

**The Metropolitan Water District of Southern California**

**Abstract of Bids Received on April 6, 2017 at 2:00 P.M.**

**Specifications No. 1908  
Colorado River Aqueduct Employee Housing  
at Iron Mountain and Gene Pumping Plants**

The contract includes construction of four manufactured homes with fire protection systems, detached pre-engineered garages, and subgrade and foundation preparation.

Engineer's Estimate: \$1,200,000

<b>Bidder and Location</b>	<b>Total</b>	<b>SBE \$<sup>1</sup></b>	<b>SBE %</b>
Kaveh Engineering and Construction, Inc. Yorba Linda CA <sup>2</sup>	\$1,044,870	-	-
<b>CopperTop Enterprises, Inc. Orange, CA</b>	<b>\$1,219,809</b>	<b>\$1,219,809</b>	<b>100</b>

<sup>1</sup> Due to the limited subcontracting opportunities, no SBE (Small Business Enterprise) participation was established for this contract.

<sup>2</sup> Kaveh Engineering and Construction, Inc. requested to be released from its bid in accordance with the Public Contract Code due to an inadvertent clerical error made during the bid process which materially changed its bid.

**The Metropolitan Water District of Southern California**

**Subcontractors for Low Bidder**

**Specifications No. 1907  
Colorado River Aqueduct Employee Housing  
at Julian Hinds and Eagle Mountain Pumping Plants**

Low Bidder: CopperTop Enterprises, Inc.

<b>Subcontractor and Location</b>
US Modular Hemet, CA

**The Metropolitan Water District of Southern California**

**Subcontractors for Low Bidder**

**Specifications No. 1908  
Colorado River Aqueduct Employee Housing  
at Iron Mountain and Gene Pumping Plants**

Low Bidder: CopperTop Enterprises, Inc.

<b>Subcontractor and Location</b>
US Modular Hemet, CA

### Location Map

