SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
380 E. Vanderbilt Way, San Bernardino, CA 92408

REGULAR MEETING OF THE BOARD OF DIRECTORS

AGENDA

2:30 p.m. Tuesday, November 1, 2016

CALL TO ORDER/PLEDGE OF ALLEGIANCE/ROLL CALL

1. PUBLIC COMMENT
   Any person may address the Board on matters within its jurisdiction.

2. APPROVAL OF MINUTES
   A. October 18, 2016, Board Meeting (Page 3)

3. DISCUSSION AND POSSIBLE ACTION ITEMS
   A. Consider Southern California Edison Interconnection Facility Improvement Fees for the Waterman Turnout Hydroelectric Generation Project (Page 10)

4. REPORTS (Discussion and Possible Action)
   A. General Manager’s Report
   B. Baseline Feeder Committee, October 24 (Page 20)
   C. SAWPA Committees, November 1
   D. Directors Activities

5. ANNOUNCEMENTS
   A. November 8, 2016 – Board of Directors’ Workshop, 3:00 p.m. at the District Office
   B. November 9, 2016 – Reservoir Committee, 3:00 p.m. at the District Office
   C. November 14, 2016 – Association of San Bernardino County Special Districts’ Dinner, 6:30 p.m., Hilton Garden Inn, Victorville
   D. November 15, 2016 – SAWPA Commission, 9:30 a.m. at SAWPA
   E. November 15, 2016 – Board of Directors’ Meeting, 2:30 p.m. at the District Office
   F. November 28, 2016 – Baseline Feeder Committee, 3:00 p.m. at the District Office
Meeting of the Board of Directors  
November 1, 2016  
Page 2

G. November 29, 2016 – ACWA Fall Conference, Anaheim
H. December 5, 2016 – Basin Technical Advisory Committee, 1:30 p.m. at the District Office
I. December 6, 2016 – SAWPA Committees, 9:30 a.m. at SAWPA
J. December 6, 2016 – Board of Directors’ Meeting, 2:30 p.m. at the District Office

6. CLOSED SESSION

A. Conference with Legal Counsel – Existing Litigation – Pursuant to Government Code Section 54956.9(d)(1) – Center for Food Safety et al v. California Department of Water Resources (Sacramento County Superior Court No. 34-2016-80002469)

7. ADJOURNMENT

PLEASE NOTE:
Materials related to an item on this Agenda submitted to the Board after distribution of the agenda packet are available for public inspection in the District’s office located at 380 E. Vanderbilt Way, San Bernardino, during normal business hours. Also, such documents are available on the District’s website at www.sbvmwd.com subject to staff’s ability to post the documents before the meeting. The District recognizes its obligation to provide equal access to those individuals with disabilities. Please contact Lillian Hernandez at (909) 387-9214 two working days prior to the meeting with any special requests for reasonable accommodation.
DIRECTORS

Directors Present: Mark Bulot, Steve Copelan, Ed Killgore, Gil Navarro, and Susan Longville

Directors Absent: None

Staff Present: Douglas Headrick, Bob Tincher, Cindy Saks, Wen Huang, Aaron Jones, Heather Dyer, Brendan Brandt, and Lillian Hernandez

Registered Guests:

Joseph W. Mays Jr., Eastwood Farms Water
June Hayes
Benjamin G. Kelly, Western Heights Water Company
Nanette Shelton, East Valley Water District
Ronald Coats, East Valley Water District
Mark Alvarez
David E. Raley, San Bernardino Valley Water Conservation District
Mike Kostelecky, Yucaipa Valley Water District
Melody McDonald, San Bernardino Valley Water Conservation District
Linda Gonzalez, West Valley Water District
Joshua Monzon, State Senator Mike Morrell’s Office
Michelle Diamond, Tetra Tech, Inc.
Charles Roberts, Highland Community News
Jon Gaede, Assembly Member Brown’s Office

The regular meeting of the Board of Directors was called to order by President Bulot at 2:33 p.m. at the District office, 380 E. Vanderbilt Way, San Bernardino. A quorum was noted present.
Agenda Item 1. Public Comment.

President Bulot invited any members of the public to address the Board. Linda Gonzalez, Director West Valley Water District, requested to speak. She invited everyone to West Valley Water District's groundwater wellhead treatment center on October 29th at 10:00 a.m. There will be a tour of the facility and a barbeque. She left fliers for interested persons.

The meeting proceeded with the published agenda items.

Agenda Item 2. Report out of Closed Session.

Brendan Brandt reported that the Interagency Cost Sharing Agreement Mentone Pipeline East Branch Extension between the San Gorgonio Pass Water Agency (SGPWA) and San Bernardino Valley Municipal Water District (SBVMWD) had been finalized and fully-executed. The agreement is available for inspection by any member of the public at the District's office.

Agenda Item 3. Approval of Minutes of the October 4, 2016, Board Meeting.

Director Navarro moved to approve the minutes of the October 4, 2016, Board meeting. Director Copelan seconded. The motion was unanimously adopted.

Agenda Item 4. Discussion and Possible Action Items.

4 a) Consider Initial Payment for the Santa Ana Conservation and Conjunctive Use Project Program Manager Costs. Bob Tincher stated that this item was discussed at the October 11th Board of Directors' Workshop. In May 2015, the Board authorized participating with Eastern Municipal Water District (EMWD), Inland Empire Utilities Agency (IEUA), Orange County Water District (OCWD), and Western Municipal Water District (WMWD) on a $100 million Santa Ana River Conservation and Conjunctive Use Program (SARCCUP) which is being partially funded by a $55 million Proposition 84 grant. Collectively, SARCCUP will provide up to 70,000 acre-feet of water per year to the watershed which will be divided equally amongst the agencies. The SARCCUP is now being administered by the Project Agreement 23 Committee at the Santa Ana Watershed Project Authority (SAWPA). One of the tasks for a program this large is administering the program. Each of the agencies evaluated their staff resources and determined that consultant services would be necessary to administer the program. The Project Agreement 23 Committee undertook a competitive selection process and hired RMC to act as the program manager for SARCCUP. The tasks under the program manager's scope have begun. The grant funding contracts have not yet been executed so the Project Agreement 23 Committee requested each agency to provide a portion of the local share that will be required under SARCCUP. Each agency will pay $9 million in local share. Each agency is being requested to provide approximately $31,000 of local share up front to cover the program manager expenses until the grant funding contracts have been executed. Staff recommended that the Board authorize the general manager to execute the letter agreement for $31,043 that will be used to pay San Bernardino Valley...
Municipal Water District's (SBVMWD) share of the estimated first six months of program manager expenses for the SARCCUP program. The $31,043 will be applied toward the $9 million that SBVMWD will be contributing for SARCCUP. Director Navarro requested that District legal counsel review the document prior to execution.

Director Killgore moved to approve authorizing the general manager to execute the letter agreement subject to house legal counsel's review and approval for $31,043 that will be used to pay SBVMWD's share of the estimated first six months of program manager expenses for the SARCCUP. Director Copelan seconded. The motion was unanimously adopted.

4 b) Consider Environmental Documentation and Regulatory Compliance Services for Yucaipa Basin Recharge Testing. Aaron Jones stated that this item was discussed at the October 11th Board of Directors' Workshop. Currently recharge testing is being developed by TODD Groundwater, Inc. for 13 sites in the Yucaipa Basin Area. During the permit discussions with the San Bernardino County Flood Control District (SBCFCD), it was noted that in order to receive a permit for some of the sites where there will be recharge testing performed, the District needs permits or letters from the California Department of Fish and Wildlife (CDFW), United States Army Corps of Engineers (USACE), and the California Regional Water Quality Control Board (CRWQCB). In order to comply with these requirements as well as the California Environmental Quality Act (CEQA), SBVMWD and its partners sought proposals. A Request for Proposals was sent out and the District received eight proposals. They were reviewed in-house and staff recommended Jericho Systems, Inc. for a fee of $22,955. Based on the cost allocation method used for previous phases of the project, staff recommended the Board authorize the full contract amount with the understanding that SBVMWD's portion will be 50 percent for $11,477.50 and the remainder will be paid by the project partners. Staff recommended that the Board authorize staff to enter into a contract with Jericho Systems, Inc. for the environmental documentation and regulatory compliance services for the Yucaipa Basin Recharge testing at a cost of $22,955.

Director Copelan moved to approve that the Board authorize staff to enter into a contract with Jericho Systems, Inc. for the environmental documentation and regulatory compliance services for the Yucaipa Basin Recharge testing at a cost of $22,955. Director Longville seconded. The motion was unanimously adopted.

4 c) Consider Amendment to the Dudek Contract for Preparation of the Santa Ana Sucker Translocation Plan. Heather Dyer stated that this item was discussed at the October 11th Board of Directors' Workshop. On October 20, 2015, the Board approved a contract with the consulting firm Dudek to develop a Santa Ana Sucker Translocation Plan on behalf of the Upper Santa Ana River Habitat Conservation Plan. For the past year, staff has been working very hard on this plan and they have had comprehensive collaborative stakeholder engagement throughout the process which resulted in a very good plan that addresses all of the issues associated with potentially translocating Santa Ana sucker. By
the end of November 2016, Ms. Dyer expects that they will be able to submit the plan and site-specific technical memoranda to the wildlife agencies for approval that would include Plunge Creek, Hemlock Creek, and Mill Creek that they already had habitat assessments on. In addition, as part of the Sterling Natural Resource Center (SNRC) project, SBVMWD agreed to reestablish a population of Santa Ana sucker in City Creek as a mitigation measure in the final Environmental Impact Report (EIR). The first step is to complete a habitat assessment and prepare a technical memoranda for City Creek which will be used as part of the Section 7 process with the United States Fish and Wildlife Service (USFWS). In order to finalize the translocation plan and complete the technical memoranda, it is necessary to amend the Dudek contract increasing the budget by $70,915. This amount includes $31,285 for costs are associated with the expanded scope and finalizing the translocation plan based on input from stakeholders and wildlife regulators. As with all the HCP advance mitigation activities, the District will be partially reimbursed by the HCP partners. At the current share of 40 percent, SBVMWD's cost would be approximately $12,285. The proposed amendment also includes $39,630 which is needed to complete the habitat assessment and technical memoranda associated with City Creek and the SNRC project and that amount will be paid directly by East Valley Water District (EVWD). Staff recommended the Board authorize the general manager to amend the Dudek contract for $70,915 for a total contract value of $211,053. Legal counsel reviewed and approved the amendment.

Director Copelan moved to approve the Board authorizing the general manager to amend the Dudek contract for $70,915 for a total contract value of $211,053. Director Killgore seconded. The motion was unanimously adopted.

4 d) Consider Appointment of Ad Hoc Board Committee for General Manager Employment Contract. Douglas Headrick stated that as part of the workshop series the Board conducted with their consultant, Bill Kelly, the idea of an employment contract for the general manager was discussed. There were a list of topics presented to the Board at the last workshop and house counsel was directed to work with the general manager and Board on development of an employment agreement. As suggested by Bill Kelly, the first step in the process would be appointing an ad hoc committee to work through the details of a contract. A draft agreement would be brought back to the Board in closed session to discuss with the general manager and house counsel. Staff recommended the Board President appoint an ad hoc committee for development of a draft employment agreement for the general manager. President Bulot recommended appointing Director Navarro and himself be the negotiating ad hoc committee members.

Director Copelan moved approval of President Bulot's recommendation. Director Killgore seconded. The motion was unanimously adopted.

Agenda Item 5. Reports (Discussion and Possible Action).

5 a) Legislative Report. No oral report was given as a written report was included in the Board packet.
5 b) CSDA 2016 Annual Conference, October 10, 2016. Director Navarro reported that he did not attend the conference.

5 c) Board of Directors’ Workshop, October 11, 2016. No oral report was given.

5 d) Reservoir Committee, October 12, 2016. No oral report was given as a written report was included in the Board packet.

5 e) Association of San Bernardino County Special Districts’ Association Dinner, October 17, 2016. Director Copelan reported that the dinner was hosted by West Valley Water District at the Hilton Garden Inn in Fontana. The speaker was Matthew W. Litchfield, P.E., Interim General Manager of West Valley Water District. He gave a presentation on their Fluidized Bed Reactor Perchlorate Removal Treatment Plant.

5 F) SAWPA Commission, October 18, 2016. Director Killgore reported on the following items:

1. Presented Certificates of Appreciation to Warren D. Williams, retired Riverside County Flood Control and Water Conservation District General Manager-Chief Engineer and Jason Uhley, the new General Manager-Chief Engineer.
2. Found that the unfinished condition of Reach V Rehabilitation and Improvement Project after termination for cause of the project contractor continues to be an emergency that requires immediate action per the Commission’s action on August 2, 2016.
3. Authorized a change order for Dudek for engineering services related to the Reach V Rehabilitation and Improvement Project.
4. Received an informational report on the status of Proposition 84 Round 1 and Round 2 grant funded projects.
5. Received a status report on the SAWPA Roundtables for the first quarter ending September 30, 2016.
6. Received the PPIC Water Policy Center’s California Water, a set of 12 policy briefs focusing on the most critical issues facing our water system.

5 g) Operations Reports. No oral report was given as a written report was included in the Board packet.

5 h) Treasurer’s Report. Director Navarro moved approval of the following expenses for the month of September 2016. The State Water Contract Fund $14,765,066.00, Devil Canyon/Castaic Fund $83,026.00, and General Fund $1,635,922.08. Director Copelan seconded. The motion was unanimously adopted.
5 i) Directors' Activities.

Director Killgore requested authorization to attend the November Board meetings of West Valley Water District and East Valley Water District.

Director Navarro requested authorization to attend the November Board meetings of West Valley Water District, East Valley Water District, and Yucaipa Valley Water District.

President Bulot indicated that he felt it appropriate for the full Board to attend the October 29th event at West Valley Water District. He requested authorization to attend the Basin Monitoring Taskforce meeting at the Santa Ana Watershed Project Authority on October 19, 2016.

Director Longville requested authorization to attend the Planning and Conservation League Awards Banquet on November 11th in San Francisco where she will be presented with an award. She stated that she needed Chapters 5 through 7 of the Board of Directors' Handbook. She indicated she would have her redlined version of the previous chapters available soon to provide to the consultant. She reported she attended the Southwest Megaregion Alliance meeting. She reported there are now 27 Enhanced Infrastructure Financing Districts that are under formation in California. There are seven in San Bernardino and Riverside Counties. She also reported that the organization will most likely change their name to California Enhanced Infrastructure Alliance.

Director Navarro moved approval of all of the requested meetings. Director Killgore seconded. The motion was unanimously adopted.

Agenda Item 6. Announcements. None.

Mr. Joseph Mays invited the Board members to the Debutante Ball of San Bernardino on November 12th at the National Orange Show. He offered tickets to those interested. He requested that RSVP's be to him by November 1, 2016.

Agenda Item 7. Closed Session

President Bulot adjourned the meeting to Closed Session at 3:14 p.m.

A. Conference with Legal Counsel – Existing Litigation – Pursuant to Government Code Section 54956.9(a),(d)(1) – San Bernardino Valley Municipal Water District et al v. San Gabriel Valley Water Company et al – Case No. CIVDS1311085 (San Bernardino Superior Court)

Pursuant to Government Code Section 54956.9 President Bulot returned the meeting to Open Session at 3:52 p.m. and reported that during Closed Session the Board took no reportable action.
Agenda Item 8. Adjournment.

There being no further business, President Bulot adjourned the meeting at 3:52 p.m.

APPROVAL CERTIFICATION

I hereby certify to approval of the foregoing Minutes of San Bernardino Valley Municipal Water District.

Secretary
Date

Respectfully submitted,

Lillian Hernandez
Board Secretary
DATE: November 1, 2016

TO: Board of Directors

FROM: Wen Huang, Manager of Engineering
       Mike Esquer, Project Manager

SUBJECT: Consider SCE Interconnection Facility Improvement Fees for the Waterman Turnout Hydroelectric Generation Project

The purpose of this memorandum is to provide background information for the Board of Directors to consider a payment to Southern California Edison (SCE) for the Interconnection Facility Improvement fees associated with the Waterman Turnout and Hydroelectric Generation Project (Project). The Project has been presented and discussed at multiple Board workshops and subsequent Board of Directors meetings.

Discussion:

The Board of Directors approved a design and engineering services contract with NLine Energy at the Board of Directors' meeting on May 6, 2014 for development of a hydroelectric generation facility at District's Waterman Turnout (Project). At subsequent Board of Directors' meetings on November 17, 2015 and May 17, 2016, the Board of Directors approved the procurement of the turbine, generator, switchgear and programmable logic controls for the Project. The intent of the Project is to design and construct a 1.03 MW electric generation facility at Valley District's existing Waterman turnout near the San Bernardino County Flood Control District's Waterman recharge basins. The plans are 90% complete for the design; the Pelton Wheel turbine, generator, switchgear and programmable logic controls are currently being fabricated. The current estimated cost for construction of the hydroelectric facilities along with certain improvements to the turnout is $4.1M.
The project is subject to review and approval by the California Energy Commission (CEC) and will be metered by the California Independent System Operators (CAISO) for the interconnection requirements to the Bulk Electric Grid (BEG) and is subject to Southern California Edison's (SCE) CPUC Rule 21. As part of the Rule 21, Valley District has executed the Generator Interconnection Agreement (GIA) as a requirement to connect to the BEG. The agreement was reviewed and approved as to form and content by Valley District’s House Counsel.

In addition, there are certain facility upgrades to the BEG infrastructure that SCE must commission in order to allow the Project to safely connect to and transmit energy into the BEG. The proposed SCE improvements are outlined in the Waterman Hydroelectric Project GFID 8478 Fast Track Review and Preliminary Cost Estimate for Interconnection Agreement (CPUC Rule 21) report (attached). These improvements include two new power poles, approximately 400 feet of primary cable, one 12 kV pad mount switch, ground detector, 1000 kVA transformer, metering and telemetry. The estimated costs for this work is $237.9K and a guarantee for Income Tax Component of the Contribution (ITCC) of $51K. The Project may be exempt from the ITCC tax portion of the contribution, and is currently being researched by Valley District House Counsel. It is necessary that a guarantee in the form of a letter of credit or escrow account to SCE be provided for the required ITCC payment while the Project’s exempt status is being researched. The total non-binding cost estimate is $288.9K. The actual accrued costs of the interconnection facilities improvements will be collected from the funds deposited by Valley District and a credit or debit invoice will be issued to Valley District after SCE completes the proposed interconnection facility improvements.

Staff and NLine energy have reviewed the interconnection facilities prosed by SCE and believe they are reasonable in scope and cost.

**Recommendations:**
Staff recommends that the Board of Directors approve a deposit to SCE for the Interconnection Facilities upgrade at an estimated cost of $237,900 and direct the General Manager to establish an escrow account for the ITCC tax portion of $50,996.

**Attachment:**
Waterman Hydroelectric Project
San Bernardino Valley Municipal Water District

GFID 8479
4889 North Waterman Ave
San Bernardino, CA, 92404
34°10'22"N, 117°16'41"W

FAST TRACK REVIEW
and
Preliminary Cost Estimate for Interconnection Agreement
pursuant to
CPUC Rule 21

Prepared by
Luis Aguilar
Sergio Rodas

4/18/16

SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL™ Company
BACKGROUND
San Bernardino Valley Municipal Water District. (Interconnection Customer) submitted an Interconnection Request to Southern California Edison (SCE) for interconnection service and distribution service under the terms of the CPUC Rule 21 Tariff. San Bernardino Valley Municipal Water District will own and operate 1.0 MW of synchronous generator located at 4889 North Waterman Ave city of San Bernardino, California 92404. The assigned GFID number for this project is GFID 8479FT, with a requested in-service date of 05/09/2017.1

The generating system will consist of one Hitzinger Synchronous generator. The proposed project would receive interconnection service from SCE’s existing Sutt 12 kV circuit out of Del Rosa 66/12 kV Substation via overhead line extension to underground interconnection facilities to the Customer-owned 480V switchgear.

This project was evaluated against the thirteen (13) Initial Fast Track Screens found in Section G.1, “Initial Review Screens” of CPUC Rule 21. SCE concluded that the following Initial Fast Track Screen was not met:

Screen M- Is the aggregate Generating Facility capacity on the Line Section less than 15% of Line Section peak load for all line sections bounded by automatic sectionalizing devices?

<table>
<thead>
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<th>NO (Fail)</th>
<th></th>
</tr>
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<tr>
<td>Circuit Projected Load</td>
<td>7.4 MVA</td>
</tr>
<tr>
<td>Queued Generation</td>
<td>.362 MW</td>
</tr>
<tr>
<td>Project Generating Capacity</td>
<td>1.0 MW</td>
</tr>
<tr>
<td>Penetration</td>
<td>21.8%</td>
</tr>
</tbody>
</table>

Pursuant to CPUC Rule 21 Section F.2.a., “Supplemental Review” and Section G.2., “Supplemental Review, this Interconnection Request was evaluated to determine if it meets all the screens in Section G.2. of the Rule 21 on the Distribution System. After reviewing the screens, SCE found the following:

Screen N- Penetration Test: (PASS) Where 12 months of line section minimum load data is available, can be calculated, can be estimated from existing data, or determined from a power flow model, is the aggregate Generating Facility capacity on the Line Section less than 100% of the minimum load for all line sections bounded by automatic sectionalizing devices upstream of the Generating Facility

Screen O- Voltage and Power Quality Screen: (PASS) In aggregate with existing generation on the line section: The voltage regulation on the line section can be maintained in compliance with relevant requirements under all system conditions; the voltage fluctuation is within acceptable limits as defined by Commission Rule 2 and/or Institute of Electrical and Electronics Engineers (IEEE) standard 1453, or utility practice similar to IEEE Standard 1453; and the harmonic levels meet IEEE standard 519 limits

1 In-service date as requested in the Interconnection Request. The actual in-service date will be determined by the design and construction requirements.
Screen P: Safety and Reliability Tests
Does the location of the proposed Generating Facility or the aggregate generation capacity on the Line Section create impacts to safety or reliability that cannot be adequately addressed without Detailed Study?

No (Passed), Supplemental Review is complete.

Although the project did not satisfy all of the Initial Fast Track Screens, per Section G.2, "Supplemental Review Screens," SCE determined that the project may nevertheless be interconnected consistent with safety, reliability, and power quality standards.

A complete list of the Initial Fast Track Screens can be found in Attachment I.
PRELIMINARY ESTIMATE
The estimated dollar amount (Preliminary Estimate) for the design, engineering, procurement and construction of the Distribution Upgrades and Interconnection Facilities, in 2016 dollars, is $237.9.\(^1\)

SCE established the Preliminary Estimate using a standardized estimating approach. SCE must emphasize that the Preliminary Estimate is not tailored to this specific project. The actual cost may vary considerably from the Preliminary Estimate. SCE created this Preliminary Estimate to assist the Interconnection Customer in expediting execution of the Generator Interconnection Agreement (GIA) and initiating design/construction.

SCE calculated the Preliminary Estimate for the conceptual method of service in Figure 1, based on SCE's existing electrical systems in the area of the Interconnection Customer's proposed Point of Interconnection.

A breakdown of the Preliminary Estimate follows:

**Interconnection Facilities**
- Two (2) new poles.
- Approximately 400 feet of 1/0 JCN primary cable
- One (1) 12kV pad mount 4 Way Gas Switch with automation
- Ground Detector
- One 1000KVA transformer and secondary cable
- 0.48 kV Metering

**Subtotal**

\[ \text{Interconnection Facilities (one time cost)} \quad \$231.8 \text{ k} \]
\[ \text{Telemetry} \quad \$6.1 \text{ k} \]

\[ \text{Subtotal} \quad \$231.8 \text{ k} \]
\[ \text{ITCC (22\%)} \quad \$50.9 \text{ k} \]
\[ \text{Upgrades (one time cost)} \quad \$6.1 \text{ k} \]

**Total non-binding order of magnitude cost estimate**

\[ \$288.8 \text{ k} \]

\(^1\) Cost estimate does not include 22% ITCC.
Figure 1: Conceptual Method of Service
INTERCONNECTION AGREEMENT
The Interconnection Customer shall provide payments in accordance with the GIA Payment Schedule, as agreed to by the parties. The Payment Schedule will be developed using the scope of work, design, and construction requirements for the project. SCE encourages full payment upon execution of the GIA to reduce the risk of exhausting funds prior to completion of work.

DESIGN OF DISTRIBUTION UPGRADES & INTERCONNECTION FACILITIES
Design of the Distribution Upgrades and Interconnection Facilities is expected to be completed within 60 business days from receipt of the following deliverables:
- Execution of the GIA
- Approved panel drawings in compliance with SCE’s Electrical Service Requirements (ESR):
  http://www.sce.com/AboutSCE/Regulatory/distributionmanuals/esr.htm
- Interconnection Customer information sheet
- Street improvement plans (if available)
- Unique address for the Point of Interconnection
- Public right-of-way (street) base maps, as required by the interconnection
- Site plot plan on a 30:1 scale or digital file
  - Easement/lease agreement(s)
  - Grading plan(s)
  - Sewer and storm plot plan(s)
  - Landscape, Sprinkler, Pedestal Location(s)

CONSTRUCTION OF DISTRIBUTION UPGRADES & INTERCONNECTION FACILITIES
Construction of the Distribution Upgrades and Interconnection Facilities is expected to be completed within 90 business days from receipt of the following deliverables. These deliverables must be provided by the Interconnection Customer within 30 calendar days from the GIA effective date:
- Completion of SCE’s final design
- Interconnection Customer provides payment of any remaining balance in accordance with the GIA Payment Schedule
- Underground civil construction is released by SCE inspectors

ADDITIONAL REQUIREMENTS
SCE must clarify that although it was determined that this interconnection project is eligible to proceed under the Fast Track Process, the Interconnection Customer must comply with the following:
- All civil construction related to SCE’s Interconnection Facilities and Distribution Upgrades must be completed and approved by SCE inspectors prior to SCE scheduling the electrical construction of the Interconnection Facilities and Distribution Upgrades.
- All protection settings must comply with the SCE’s interconnection requirements. These requirements can be downloaded at:
  https://www.sce.com/wps/portal/home/regulatory/open-access-information/
- A Final Commissioning Test will be performed to verify that the interconnection requirements have been met.
• The Interconnection Customer shall provide SCE with an electrical single line diagram that represents the final system design to be included in the GIA.
• The Interconnection Customer is responsible for the cost of civil work which is required for the distribution and interconnection electrical facilities.
• The Interconnection Customer shall install all equipment necessary to comply with generation output ramp rates as provided by the Distribution Provider.

DISCLOSURE OF STUDY ASSUMPTIONS
• Current distribution standards are being updated to address generation interconnection systems. The proposed method of service in this report is subject to change during final design to comply with the updated distribution design standards.
• This Fast Track Response Letter does not include costs associated with environmental studies which may be required for the licensing or permitting of the proposed generating facility.
• This study assumes that all easements required for the construction of Distribution Upgrades and/or Interconnection Facilities will be secured in a timely manner to accommodate the requested in-service date.
• This report does not consider potential milestone setbacks that could result from the local jurisdiction requiring underground construction of distribution facilities. SCE encourages the Interconnection Customer to consult with the local jurisdiction to identify existing underground ordinance to reduce the risk of complication associated with said ordinance. This study does not include analysis related to the following system variability conditions, et. al.
  o Generator system start-up: Solar photovoltaic generator's increasing output profile during sunrise
  o Generator return-to-service: Solar photovoltaic generator's output profile following a system outage (faulted condition)
  o Generator output variability: Solar photovoltaic generator's output variation correlated with weather conditions, i.e. cloud cover
This study assumes that the Interconnection Customer's generating facility will include all equipment, software, and appropriate controls necessary to maintain the generator output profile per SCE requirements. The Interconnection Customer will be responsible for maintaining designated voltage levels under all conditions, including but not limited to the conditions identified above. Upon execution of the GIA, SCE will provide the Interconnection Customer with the required ramp rate control parameters. The ramp rate controls will be a function of the generation penetration on the distribution system, as well as SCE's distribution system configuration (additional parameters maybe considered, as need). Changes to the ramp rate control scheme may be required as determined by increased generation, changes in the distribution system topology, or other changes in the distribution system.
• Applicable to projects requesting primary service: This study does not include analysis related to coordination of system protection equipment. A coordination study may be required during final engineering. The coordination study may identify additional interconnection requirements such as installing new protection equipment, reprogramming and/or relocating existing protection equipment. The additional scope of work may have an effect on the Interconnection Customer's requested in-service date.
ATTACHMENT I: RULE 21 FAST TRACK INITIAL REVIEW SCREENS

The following thirteen (13) Initial Review Screens are an excerpt from Section G.1, “Initial Review Screens” of CPUC Rule 21, effective September 20, 2012. The complete CPUC Rule 21 Tariff can be downloaded at: https://www.sce.com/wps/portal/home/regulatory/open-access-information/  

A. Is the PCC on a Networked Secondary System?  
B. Is Certified Equipment used?  
C. Is the Starting Voltage Drop within acceptable limits?  
D. Is the transformer or secondary conductor rating exceeded?  
E. Does the Single-Phase Generator cause unacceptable imbalance?  
F. Is the Short Circuit Current Contribution Ratio within acceptable limits?  
G. Is the Short Circuit Interrupting Capability Exceeded?  
H. Is the line configuration compatible with the Interconnection type?  
I. Will power be exported across the PCC?  
J. Is the Gross Rating of the Generating Facility 11 kVA or less?  
K. Is the Generating Facility a Net Energy Metering (NEM) Generating Facility with nameplate capacity less than or equal to 500 kW?  
L. Transmission Dependency and Transmission Stability Test.  
M. Is the aggregate Generating Facility capacity on the Line Section less than 15% of Line Section peak load for all line sections bounded by automatic sectionalizing devices?
DATE: November 1, 2016

TO: Board of Directors

FROM: Wen Huang, Manager of Engineering

SUBJECT: Baseline Feeder Committee Report – October 24, 2016

The Baseline Feeder Committee met at 3:00 pm on Monday, October 24, 2016 in the conference room at the offices of the San Bernardino Valley Municipal Water District. Director Killgore chaired the meeting. Directors Bulot and Navarro participated in the meeting. In addition, Tom Crowley of the City of Rialto (via conference call), Linda Jadeski of West Valley Water District, and Don Hough of Riverside Highland Water Company also participated in the discussion.

The meeting agenda contained the following item for presentation and discussion:

2.A. **Update on Operations of the Baseline Feeder System:**

   Staff reported that the Baseline Feeder System has been running as designed. As of September 30, 2016, WVWD received 3,477 acre-feet (AF) and the City of Rialto received 1,061 AF, for a total of 4,538 AF. Overall, the year-to-date delivery is 16% below the established delivery goal at this time of the year.

   In addition to water delivered from the Baseline Feeder System, the City of San Bernardino Municipal Water Department (SBMWD) may provide supplemental water up to 2,500 gallons per minute (gpm) to meet the needs of the Baseline Feeder Stakeholders via the Encanto Booster Station upon request. No request for Encanto water was made for the month.
2.A. Reconciliation of Baseline Feeder Operation and Maintenance Expenditures for FY2014-15 and 2015-16:

Staff reported that reconciliation of the Baseline Feeder Operation & Maintenance (O&M) expenditures for FY2015-16 and FY 2014-15 has been completed:

- FY 2015-16: There was an undercharge of $24,646.85, of which $18,473.88 is WVWD’s responsibility and $6,172.97 is Rialto’s. Additionally, invoices for the expenditures related to the O&M of the Baseline Feeder Pipeline in the amount of $3,844.40 will be sent to Valley District, WVWD, the City of Rialto, and Riverside Highland Water Company (RHWC) based on their respective percentages of ownership rights of 18.5%, 48%, 24%, and 9.5%.

- FY2014-15: There was an overcharge of $57,336.13 that has not been refunded to WVWD and Rialto. All Baseline Feeder Stakeholders agreed that the undercharge for FY15-16 and overcharge for FY14-15 should be reconciled one time, rather than over 12 monthly increments, in the July 2016 invoices.

- Moreover, Valley District still holds a balance of $52,288.06 in bond proceeds after the completion of the Baseline Feeder Flow Control and Metering Improvements Project. It was suggested and subsequently concurred by the Baseline Feeder Stakeholders that the balance be transferred to the Baseline Feeder Reserve Fund.

Staff Recommendation: Receive and file.