

**AGENDA  
IRVINE RANCH WATER DISTRICT  
BOARD OF DIRECTORS  
REGULAR MEETING**

**August 27, 2007**

**PLEDGE OF ALLEGIANCE**

**CALL TO ORDER**

6:00 P.M., Board Room, District Office  
15600 Sand Canyon Avenue, Irvine, California

**ROLL CALL**

Directors Matheis, Miller, Swan, Withers, and President Reinhart

**NOTICE**

If you wish to address the Board on any item, including Consent Calendar items, please file your name with the Secretary. Forms are provided on the lobby table. Remarks are limited to five minutes per speaker on each subject. Consent Calendar items will be acted upon by one motion, without discussion, unless a request is made for specific items to be removed from the Calendar for separate action.

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**COMMUNICATIONS TO THE BOARD**

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1. A. Written:

B. Oral: Mrs. Joan Irvine Smith relative to the Dyer Road Wellfield.

2. ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Recommendation: Determine that the need to discuss and/or take immediate action on item(s) introduced come to the attention of the District subsequent to the agenda being posted.

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**CONSENT CALENDAR**

**Next Resolution No. 2007 - 27**

**Items 3 - 29**

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3. MINUTES OF BOARD MEETING

Recommendation: That the minutes of the August 13, 2007 Regular Meeting be approved as presented.

4. RATIFY/APPROVE BOARD OF DIRECTOR'S ATTENDANCE AT MEETINGS AND EVENTS

Recommendation: That the Board ratify/approve the meetings and events for Mary Aileen Matheis, Darryl Miller, Doug Reinhart, Peer Swan, and John Withers.

5. RESOLUTION COMMENDING DOUGLAS WILHEILMI FOR HIS SERVICE TO THE DISTRICT

Recommendation: That the Board adopt a resolution commending Douglas Wilhemi for his dedicated and loyal service to the District.

Reso No. 2007-

**CONSENT CALENDAR – Continued**

**Next Resolution No. 2007 - 27**

**Items 3 - 29**

6. RESOLUTION COMMENDING SOON KIM FOR HIS SERVICE TO THE DISTRICT

Recommendation: That the Board adopt a resolution commending Soon Kim for his dedicated and loyal service to the District.

Reso No. 2007-

7. STRATEGIC MEASURES DASHBOARDS

Recommendation: Receive and file.

8. JULY 2007 FINANCIAL REPORTS

Recommendation: Receive and file the Treasurer's Investment Summary Report and the Monthly Interest Rate SWAP Summary for July 2007; and approve the July 2007 Summary of Wire Transfers and ACH payments in the total amount of \$6,674,474.26; and the July 2007 Warrant Nos. 281895 through 282672, Workers' Compensation Distributions and voided checks in the total amount of \$9,007,472.89.

9. STATE LEGISLATIVE UPDATE

Recommendation: That the Board take a support position on SB 838 (Cogdill): Fire Prevention and Protection.

10. CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA) 2007 BOARD ELECTION FOR REGION 6

Recommendation: That the Board support the re-election of Arlene Schafer of the Costa Mesa Sanitary District for the CSDA Board of Directors seat for Region 6.

11. ASSOCIATION OF CALIFORNIA WATER AGENCIES (ACWA) CALIFORNIA WATER PUBLIC EDUCATION PROGRAM FUNDING

Recommendation: That the Board approve of a contribution of \$50,000 for the ACWA Public Outreach Campaign to educate the public regarding water issues.

12. UPCOMING PROJECTS STATUS REPORT

Recommendation: Receive and file.

13. ASPHALT WORK AT IRVINE RANCH WATER DISTRICT FIELD SITES

Recommendation: That the Board approve an Expenditure Authorization for project 11210 for \$92,400 for the Asphalt Field Sites project.

14. IRVINE DESALTER PROJECT – WELLHEAD FACILITIES WELLS 76, 77, 110 AND 115 – FINAL ACCEPTANCE

Recommendation: That the Board accept construction of the Irvine Desalter Project Wellheads Facilities – Wells 76, 77, 110, & 115; authorize the General Manager to file a Notice of Completion; and authorize the payment of the retention 35 days after the date of recording the Notice of Completion.

15. VAULT FACILITIES LID REPLACEMENT PROJECT CONSTRUCTION AWARD

Recommendation: That the Board authorize a budget increase for project 20981 by \$344,900, from \$116,000 to \$460,900; approve an Expenditure Authorization for \$460,900 for project 20981; and authorize the General Manager to award a contract with Paulus Engineering for \$287,900 for the Vault Facilities Lid Replacement project.

16. SEDIMENT REMOVAL FROM SAN DIEGO CREEK CONSTRUCTION PHASE SERVICES

Recommendation: That the Board authorize the General Manager to execute an agreement with MBC Applied Environmental Sciences for characterization and water quality monitoring in the amount of \$86,642.54 for the sediment removal from the San Diego Creek in-Channel Basins Nos. 2 and 3, project 20735.

17. LETTER AGREEMENT FOR RELOCATION OF KERN WATER BANK AUTHORITY WELL NO. 30/25/11C

Recommendation: That the Board authorize the General Manager to execute a letter agreement with the Kern Water Bank Authority for the relocation of Kern Water Bank Well No. 30/25/11C subject to non-substantive changes approved by the General Manager and Legal Counsel.

**CONSENT CALENDAR – Continued**

**Next Resolutions 2007 - 27**

**Items 3 - 29**

18. NEWPORT COAST FORCE MAIN REHABILITATION PROJECT CONSTRUCTION CHANGE ORDER AND FINAL ACCEPTANCE

Recommendation: That the Board approve Contract Change Order No. 1 in the amount of \$139,252.12 with W. A. Rasic Construction; accept construction of the Newport Coast Force Main Rehabilitation, project 20385; authorize the General Manager to file a Notice of Completion; and authorize the payment of retention 35 days after the filing of the Notice of Completion.

19. RATTLESNAKE AND IRVINE LAKE PIPELINE STRAINERS REPLACEMENT PROJECT ENGINEERING SUPPORT SERVICES DURING CONSTRUCTION

Recommendation: That the Board authorize the General Manager to execute a Variance with Steven Andrews Engineering for engineering support services during construction in the amount of \$55,630.

20. CABINLAND HYDROPNEUMATIC PUMP STATION – INCREASE THE FISCAL YEAR 2007/08 CAPITAL BUDGET AND EXPENDITURE AUTHORIZATION, FINAL ACCEPTANCE, AND APPROVAL OF SECTION 33445 AGREEMENT AND RESOLUTION FOR A GRANT FROM THE ORANGE COUNTY DEVELOPMENT AGENCY

Recommendation: That the Board approve an increase to the Fiscal Year 2007/08 Capital budget for Cabinland Hydropneumatic Pump Station, project 11146, by \$39,500 from \$511,300 to \$550,800; approve an Expenditure Authorization for project 11146 by \$140,700, from \$410,000 to \$550,800; authorize the reduction of retention from 10% to 5% of the contract amount and release of funds in excess of 5% of the contract amount from retention currently held; accept construction of the pump station; authorize the General Manager to file a Notice of Completion, and authorize the release of retention 35 days after filing of the Notice of Completion; approve section 33445 agreement between Irvine Ranch Water District (IRWD) and the Orange County Development Agency and authorize the General Manager to execute the agreement; approve a resolution of the IRWD board of directors making findings under the health and safety code section 33445 relating to the IRWD Cabinland Hydropneumatic Pump Station replacement project.

21. QUITCLAIM OF REAL PROPERTY

Recommendation: That the Board adopt a resolution approving execution of the quitclaim deeds to FPOC, LLC and Foothill 10/PAD 2, LLC

Reso No. 2007-

22. PLANNING AREA 6 CAPITAL FACILITIES CONSTRUCTION CHANGE ORDERS

Recommendation: That the Board authorize a budget increase for project 10780 in the amount of \$535,500, from \$1,185,000 to \$1,720,500; authorize a budget increase for project 30780 in the amount of \$441,000, from \$1,400,000 to \$1,841,000; approve an Expenditure Authorization for project 10780 in the amount of \$535,500 and for project 30780 in the amount of \$441,000; approve Change Order No. 1 in the amount of \$915,905.26 for projects 10780 and 30780; approve Change Orders No. 5 and 6 in the amount of \$125,672.67 for projects 10779, 20355 and 30779; approve Change Order No. 9 in the amount of \$31,544.75 for projects 10778, 10779, 20349, 20352, 20355 and 30779; and approve Change Order No. 13 in the amount of \$59,319.85 for projects 10781 and 30781 for Planning Area 6 Capital Facilities.

23. SCADA TELEMETRY NETWORK UPGRADE EXPENDITURE AUTHORIZATION AND CONTRACT AWARD

Recommendation: That the Board approve Expenditure Authorizations in the amount of \$82,500 for project 10925, \$82,500 for project 20925 and \$82,500 for project 30925; and authorize the General Manager to execute a contract with Malcom Pirnie to carry out the Telemetry Network Upgrade Design project in the amount of \$145,445.

24. DYER WELL 12 REHABILITATION EXPENDITURE AUTHORIZATION

Recommendation: That the Board approve the addition of project 11343 Dyer Well 12 Rehabilitation to the Fiscal Year 2007/08 Capital budget for the amount of \$150,200 and approve an Expenditure Authorization for project 11343 in the amount of \$150,200.

25. MWRP FPS-2 ENGINEER 3 REPLACEMENT BUDGET INCREASE AND EXPENSE AUTHORIZATION

Recommendation: That the Board authorize a budget increase of \$14,400 for project 20450, and approve an Expense Authorization for \$20,400 for the replacement of Engine 3 with a higher-capacity model.

**CONSENT CALENDAR – Continued**

**Next Resolutions 2007 - 27**

**Items 3 - 29**

26. FEASIBILITY STUDY OF PHOTOVOLTAIC SYSTEMS – CONSULTANT SELECTION, BUDGET ADDITION AND EXPENDITURE AUTHORIZATION APPROVAL

Recommendation: That the Board authorize the addition of projects Nos. 11352, 21352 and 31352 to the Fiscal Year 2007/08 budget; approve Expenditure Authorizations for project 11352 in the amount of \$38,800, project 21352 in the amount of \$6,400 and project 31352 in the amount of \$38,800; and authorize for the General Manager to execute a professional services agreement with Mark Balan & Associates, consulting electrical engineers in the amount of \$59,500 for the feasibility of installing photovoltaic systems at various locations/facilities.

27. PHASE 1 – MICHELSON WATER RECLAMATION PLANT 2005 UPGRADES REDUCTION OF RETENTION

Recommendation: That the Board find satisfactory progress has been made on the contract and authorize the reduction of retention from 10% to 5% of the contract for Phase 1 – Michelson Water Reclamation Plant 2005 upgrades, project no. 20276.

28. LAWRP BIOSOLIDS REMOVAL AND DISPOSAL CHANGE ORDER NO. 1 AND FINAL ACCEPTANCE

Recommendation: That the Board approves Change Order No. 1 to the contract with solid solutions in the amount of \$189,596.18; accept removal and dewatering and hauling and disposal construction of the LAWRP biosolids removal and disposal, project 20482; authorize the General Manager to file a Notice of Completion; and authorize the payment of the retention 35 days after the date of recording the Notice of Completion for American Process Group and Solid Solutions, respectively.

29. ANNUAL 2007/08 WATER QUALITY PLANNING RESERVES

Recommendation: That the Committee recommend the Board approval of Expenditure Authorizations (direct costs) in the amount of \$192,500 for Project 11204, \$136,400 for Project 20538, and \$94,600 for Project 30298.

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**ACTION CALENDAR**

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30. MEMBRANE BIOREACTOR EQUIPMENT PROCUREMENT MWRP PHASE 2 EXPANSION

Recommendation: That the Board authorize the general manager to execute a purchase agreement with GE/Zenon for the MWRP MBR equipment in the form presented to this meeting, subject to non-substantive changes approved by the General Manager and Legal Counsel, in an amount not to exceed \$9,137,000, and authorize issuance of a purchase order for the special shop drawing engineering services portion of the work in the amount of \$170,000 for the Michelson Water Reclamation Plant Phase 2 expansion, projects 20214 and 30214.

31. MICHELSON WATER RECLAMATION PLANT PHASE 2 EXPANSION – VARIANCE NO. 2

Recommendation: That the Board approve Expenditure Authorizations in the amounts of \$945,000 for project 20214 and \$455,700 for project 30214, approve Variance No. 2 for \$982,902 to HDR engineering, inc. for additional design services, and award SAF-r-DIG potholing and trenching services in the amount of \$128,000 for MWRP Phase 2 Expansion, projects 20214 and 30214.

32. SAN JOAQUIN MARSH CAMPUS CONSTRUCTION AWARD, BUDGET INCREASE AND EXPENDITURE AUTHORIZATION

Recommendation: That the Board approve a budget increase to the Fiscal Year 2007/08 Capital budget for project 10957 by \$1,567,200, from \$2,509,500 to \$4,076,700; approve an Expenditure Authorization for \$3,660,500 for project 10957; and authorize the General Manager to execute a contract with Philco Construction Inc. for \$2,792,959 for the San Joaquin Marsh Campus, project 10957.

33. UNIVERSITY DRIVE SEWER FORCE MAIN DESIGN CONSULTANT SELECTION

Recommendation: That the Board authorize the General Manager to execute an engineering services agreement with Tetra Tech, Inc., in the amount of \$329,277; and approve an Expenditure Authorization in the amount of \$394,800 for design of the University Drive Sewer Force Main, project 20378.

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**ACTION CALENDAR - Continued**

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34. OPERATIONS CENTER EXPANSION PROJECT CONSULTANT SELECTION BUDGET, AND EXPENDITURE AUTHORIZATION

Recommendation: That the Board authorize an increase to the Fiscal Year 2007/08 Capital budget for project 10911 by \$49,500, from \$49,500 to \$99,000, project 10913 by \$2,100, from \$5,600 to \$7,700, project 20911 by \$49,500, from \$49,500 to \$99,000, and project 30911 by \$13,200, from \$13,200 to \$26,400; approve Expenditure Authorizations for project 10911 for \$94,600, project 10913 for \$4,500, project 20911 for \$94,600 and project 30911 for \$21,900; for a total of \$215,600; and authorize the General Manager to execute a professional services agreement with RRM Design Group, Inc. for \$171,934.

35. EXPANSION OF THE FOOTHILL RANCH ZONE 6A BOOSTER PUMP STATION AND LAKE FOREST ZONE B BOOSTER PUMP STATION RENOVATION CONSTRUCTION AWARD

Recommendation: That the Board approve an increase to the Fiscal Year 2007/08 Capital budget for project 10239 by \$18,400, from \$712,800 to \$731,200; decrease the Fiscal Year 2007/08 Capital budget for project 30047 by \$329,200, from \$1,346,200 to \$1,017,000; approve Expenditure Authorizations in the amount of \$585,300 for project 10239 and in the amount of \$953,900 for project 30047; and authorize the General Manager to execute a construction contract with Den Boer Engineering and Construction, Inc. in the amount of \$1,039,100 for construction of the expansion of the Foothill Ranch Zone 6A Booster Pump Station, project 10239, and the Lake Forest Zone B Booster Pump Station Renovation, project 30047.

36. WATER OPERATIONS SCADA SYSTEM REPLACEMENT IMPLEMENTATION EXPENDITURE AUTHORIZATION, PROJECT VARIANCES AND BUDGET INCREASE

Recommendation: That the Board approve a budget increase to the Fiscal Year 2007/2008 Capital budget for project 10489 for \$391,600 from \$1,019,800 to \$1,411,400 and for project 30489 for \$167,900 from \$498,000 to \$665,900; approve Variance No.1 and No.2 with MSO Technologies in the amounts of \$50,600 and \$157,960 respectively; and approve Expenditure Authorizations in the amount of \$391,600 for project 10489 and \$167,900 for project 30489.

37. DOMESTIC WATER INTERCONNECTIONS BUDGET EXPENDITURE AUTHORIZATION

Recommendation: That the Board approve a budget increase in the amount of \$940,500 for project 10303 from \$1,463,800 to \$2,404,300; and approve an Expenditure Authorization in the amount of \$974,600 for project 10303.



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**OTHER BUSINESS**

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Pursuant to Government Code Section 54954.2, members of the Board of Directors or staff may ask questions for clarification, make brief announcements, make brief reports on his/her own activities. The Board or a Board member may provide a reference to staff or other resources for factual information, request the staff to report back at a subsequent meeting concerning any matter, or direct the staff to place a matter of business on a future agenda. Such matters may be brought up under the General Manager's Report or Directors' comments.

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**OTHER BUSINESS - Continued**

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38. A. General Manager's Report

B. Directors' Comments

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**OTHER BUSINESS - Continued**

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38. B. Directors' Comments

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**OTHER BUSINESS - Continued**

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38. C. CLOSED SESSION with legal counsel relative to existing litigation-Government Code Section 54956.9(a); State ex rel. Armenta v. James Jones Company et al.

D. Adjournment

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The Irvine Ranch Water District Board Room is wheelchair accessible. If you require any special disability-related accommodations (e.g., access to an amplified sound system, etc.) please contact the District Secretary at (949) 453-5300 during business hours at least seventy-two (72) hours prior to the Scheduled meeting. This agenda can be obtained in alternative format upon written request to the District Secretary at least seventy-two (72) hours prior to the scheduled meeting.