

**SPECIAL MEETING OF THE WATER RESOURCES COMMITTEE
OF THE BOARD OF DIRECTORS
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
4040 PARAMOUNT BOULEVARD, LAKEWOOD, CALIFORNIA 90712
9:00 A.M., WEDNESDAY, OCTOBER 6, 2010**

AGENDA

EACH ITEM ON THE AGENDA, NO MATTER HOW DESCRIBED, SHALL BE DEEMED TO INCLUDE ANY APPROPRIATE MOTION, WHETHER TO ADOPT A MINUTE MOTION, RESOLUTION, PAYMENT OF ANY BILL, APPROVAL OF ANY MATTER OR ACTION, OR ANY OTHER ACTION. ITEMS LISTED AS "FOR INFORMATION" MAY ALSO BE THE SUBJECT OF ANY "ACTION" TAKEN BY THE BOARD OR A COMMITTEE AT THE SAME MEETING.

- 1. DETERMINATION OF A QUORUM**
- 2. PUBLIC COMMENT**
- 3. MINUTES OF THE MEETING OF SEPTEMBER 2, 2010**
Staff Recommendation: Approve as submitted.
- 4. GROUNDWATER BASIN UPDATE**
Staff Recommendation: For information.
- 5. GROUNDWATER BASINS MASTER PLAN UPDATE**
Staff Recommendation: For information.
- 6. FIELD VEHICLE**
Staff Recommendation: Authorize staff to enter into a purchase contract for the specified field vehicle from Western Truck Exchange. In the event the specified vehicle from Western Truck Exchange has already been sold, then to authorize staff to proceed with a purchase contract with the next lowest priced dealership on the list for an amount not to exceed \$52,000.
- 7. REQUEST FOR PROPOSALS FOR MODELING RECYCLED WATER INJECTION FOR PERMIT COMPLIANCE, ALAMITOS AND DOMINGUEZ SEAWATER BARRIERS**
Staff Recommendation: Issue Request for Proposals for annual groundwater modeling of the Alamitos and Dominguez Gap barriers for permit compliance.
- 8. MEMORANDUM OF UNDERSTANDING WITH LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR THE SALT/NUTRIENT MANAGEMENT PLANNING**
Staff Recommendation: Enter into a Memorandum of Understanding with LACFCD to co-fund the strategic planning related to the Salt / Nutrient Management Plan for the Central and West Coast Basins, for a cost to WRD not-to-exceed one-half of the proposed amount, or \$75,000. WRD will administer the contract with Paul, Hastings, Janofsky & Walker for this work.

9. **GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP) UPDATE**
Staff Recommendation: For information.
10. **CLOSED SESSION**
Conference with Legal Counsel – Anticipated Litigation, pursuant to Government Code §54956.9(b), One Case
11. **DIRECTORS REPORTS, INQUIRIES, AND FOLLOW-UP OF DIRECTIONS TO STAFF**
12. **ADJOURNMENT**

Posted by Abigail C. Andom, Deputy Secretary, October 5, 2010.

In compliance with the Americans with Disabilities Act (ADA), if special assistance is needed to participate in the Board meeting, please contact Deputy Secretary Abigail Andom at (562) 921-5521 for assistance to enable the District to make reasonable accommodations.

All public records relating to an agenda item on this agenda are available for public inspection at the time the record is distributed to all, or a majority of all, members of the Board. Such records shall be available at the District office located at 4040 Paramount Boulevard, Lakewood, California 90712.

Agendas and minutes are available at the District's website, www.wrd.org.

UNAPPROVED
MINUTES

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**MINUTES OF SEPTEMBER 2, 2010
SPECIAL MEETING OF THE WATER RESOURCES COMMITTEE
OF THE BOARD OF DIRECTORS
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA**

A special meeting of the Water Resources Committee of the Water Replenishment District of Southern California was held on Thursday, September 2, 2010, 12:05 p.m. at the District Office, 4040 Paramount Boulevard, Lakewood, California. Director Albert Robles called the meeting to order and presided thereafter. Deputy Secretary Abigail C. Andom recorded the minutes.

1. DETERMINATION OF A QUORUM

Attendees at the meeting were as follows:

Committee: Directors Albert Robles and Rob Katherman

Staff: Ted Johnson, Jason Weeks, Jim McDavid

2. PUBLIC COMMENT

None.

3. MINUTES OF THE MEETING OF JULY 7, 2010

The minutes were approved as submitted.

4. GROUNDWATER BASIN UPDATE

Chief Hydrogeologist Ted Johnson provided an update on groundwater conditions in the Central and West Coast Basins. Mr. Johnson reported that precipitation from July – August 2010 was 0.00 inches and replenishment activities at the groundwater basins were on track. He stated that the Metropolitan Water District of Southern California (MWD) is still not making surplus seasonal imported replenishment water available and WRD has budgeted for untreated Tier 1 water to use for replenishment this fiscal year. He noted that Central Basin Municipal Water District (CBMWD) has informed WRD staff that they can make available some untreated Tier 1 water to WRD for spreading.

Mr. Johnson stated that because this is a Tier 1 purchase and not the normal seasonal water purchase, an agreement with CBMWD to document the terms and conditions for the water sale and delivery may be needed to avoid exposure to additional surcharges or allocation penalties. He noted that the item may be taken to the Board for approval at its September meeting. Mr. Johnson also noted that the Los Angeles County Flood Control District (LACFCD) has informed WRD that the spreading grounds will be unavailable for most of the remaining portion of 2010, but WRD will be working closely with them to maximize imported deliveries before MWD rates go up in 2011.

Mr. Johnson stated that groundwater levels at Central Basin Key Well 1601T rebounded by 30 feet in April 2010 due to above-average rainfall in 2009-10, aggressive spreading of recycled water and the purchase of untreated Tier 1 water for spreading by WRD, but water levels have been falling at a rate of about 1.4 feet per week. Mr. Johnson stated that in the West Coast Basin, water levels rebounded through the early part of 2010 but are now also falling. He stated that water levels in this Basin are controlled predominantly by seawater barrier injection and pumping extractions.

Mr. Johnson stated that pumping in the Central Basin is currently 1% below the previous year and the West Coast Basin is currently 2.7% lower than previous year. WRD is forecasting total pumping for the Water Year at 240,200 acre feet.

5. GROUNDWATER BASINS MASTER PLAN UPDATE

Senior Engineer Jason Weeks stated that WRD staff and consultants have completed interviews with all major water rights holders, including the refineries. Mr. Weeks noted that the information garnered from the interviews will be summarized in a Technical Memorandum.

Mr. Weeks informed the Committee that the first Groundwater Basins Master Plan Stakeholders Meeting will be held on Tuesday, September 7 at 9:30 a.m. at the Carson Community Center. He explained that the meeting will discuss baseline information and review alternative scenarios. Mr. Weeks also noted that outreach strategies for the Central Basin portion of the Master Plan are being planned.

The agenda items were taken out of order.

7. GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP) UPDATE

Senior Engineer Jim McDavid provided an update on the Groundwater Reliability Improvement Program (GRIP) project. Mr. McDavid stated that the WRD Board at its August 20, 2010 meeting approved the GRIP Joint Powers Agreement (JPA). Since that time, he informed the Committee that San Gabriel Valley Municipal Water District (SGVMWD) had expressed concerns about the language of the JPA which may potentially affect the composition of the JPA Board.

6. WATER RESEARCH FOUNDATION RENEWAL

The Committee concurred with staff's recommendation that the Board renew subscription with the Water Research Foundation in the amount of \$51,537 for the period October 2010 to September 2011. The Committee asked that the item be agendaized for Board approval under Consent Calendar.

Director Robles left the meeting.

8. DIRECTORS REPORTS, INQUIRIES, AND FOLLOW-UP OF DIRECTIONS TO STAFF

Director Katherman requested an update on the brine disposal alternative analysis. Mr. McDavid stated that brine disposal may be economical but noted concerns regarding Health Department regulations, injection permits and easements. Director Katherman asked that a time and cost estimate for brine disposal be developed for the GRIP project for the possibility that it may be necessary during the CEQA process.

Director Katherman requested an update on the Leo J. Vander Lans Water Treatment Facility expansion. Mr. McDavid stated that the pre-design for Phase 2 will be completed September –October 2010 and a meeting has been scheduled with Long Beach Water Department regarding the draft report on the water supply analysis. Director Katherman asked staff to look into the possibility of a Phase 3 expansion and consider building-up on the existing facility. He requested that a possible Phase 3 expansion be included in the Basin Master Plan.

9. ADJOURNMENT

With no further business for the Committee, the meeting was adjourned at 1:10 p.m. The next meeting is scheduled Wednesday, October 6, at 12:00 p.m.

Chair

ATTEST:

Member



MEMORANDUM

ITEM NO. 4

Prepared by: Nancy Matsumoto
Reviewed by: Ted Johnson
Approved by: Robb Whitaker

DATE: OCTOBER 6, 2010

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: GROUNDWATER BASIN UPDATE

SUMMARY

Staff monitors groundwater conditions in the Central and West Coast Basins throughout the year. A summary of current conditions is presented below.

Precipitation:

The Los Angeles Times daily weather almanac reports that precipitation in downtown Los Angeles from July 1, 2010 to September 14, 2010 has been 0.0 inches. The normal amount for this time period is 0.27 inches.

Replenishment:

WRD is responsible for replenishing the Central and West Coast groundwater basins and works cooperatively with the Los Angeles County Flood Control District (LACFCD), who owns and operates the recharge facilities, to accomplish this mission. The recharge facilities include the Rio Hondo and San Gabriel Coastal Spreading Grounds in the Montebello Forebay and the three seawater intrusion barrier systems along the coast, the West Coast Barrier (WCB), the Dominguez Gap Barrier (DGB) and the Alamitos Barrier (AB).

WRD purchases recycled and imported waters for recharge at these facilities. LACFCD captures local water (storm water runoff and dry weather river base flow) for spreading. A summary of replenishment amounts for the current Water Year (October 1, 2009 – September 30, 2010) is shown on the table below.

Water Year 2009-2010 (Oct. 1 - Sep. 30)	Planned for the Year	Amount to Date	Through End of	Projected for WY0910
Spreading, Imported	21,000	26,286	Aug	26,286 ³
Spreading, Recycled ¹	50,000	46,176	Jul	54,000
Spreading, Local	54,000	40,263	Jun	50,000

West Coast Injection, Imported	3,800	7,258	Jul	9,158
West Coast Injection, Recycled	11,400	6,762	Jul	7,862
Dominguez Injection, Imported	4,000	4,773	Jul	5,723
Dominguez Injection, Recycled	4,000	1,509	Jul	1,859
Alamitos Injection, Imported ²	2,100	2,270	Jul	2,690
Alamitos Injection, Recycled ²	2,100	1,454	Jul	1,774
TOTAL	152,400	136,749	--	159,352

¹ Recycled includes purchased water from Whittier Narrows & San Jose Creek Plants and incidental recharge from Pomona Plant.

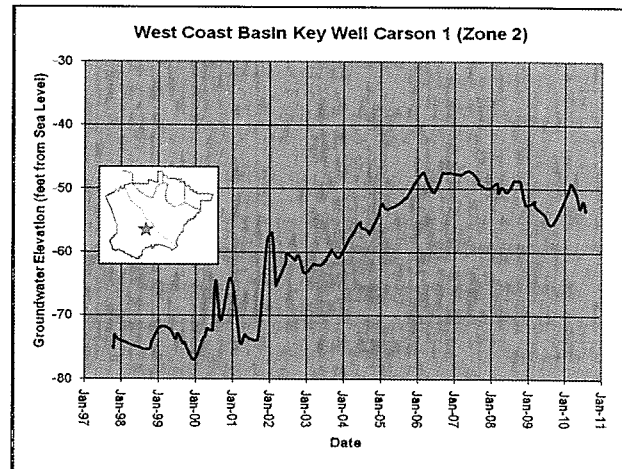
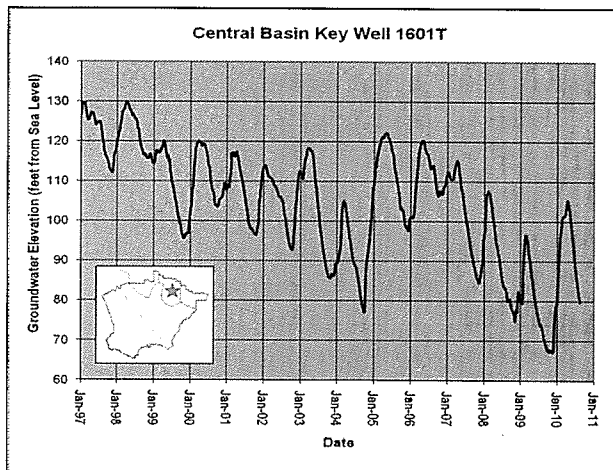
² Alamitos Barrier water purchased by WRD for L.A. County side of barrier. Does not include Orange County purchases.

³ 21,000 AF purchased as planned for WY0910. Additional purchase of 5,286 AF helps offset imported deficit of 29,987 AF, leaving 24,701 AF remaining on imported water deficit (water unable to be purchased over past 3 years).

Groundwater Levels:

Groundwater levels in Central and West Coast Basin key wells are shown below. In the Central Basin, Key Well 1601T reflects water levels in the unconfined aquifer rising and falling sharply in direct response to recharge and discharge events. Winter and spring rainfall resulting in large amounts of stormwater capture and spreading, plus a reduction in pumping cause water levels to rise. Summer and autumn seasons, however, have increased pumping due to the hot weather and a lack of precipitation, resulting in sharp water level drops.

By October 2009, water levels in this well had fallen to their 32-year low due to successive dry years and lack of imported replenishment water for spreading. However, an above-average rainy season in 2009/10, aggressive spreading of recycled water, and the purchase of untreated Tier 1 water for spreading by WRD have caused water levels to temporarily rebound over 30 feet by April 2010. Since that time, water levels have been falling, most recently at a rate of about 1 foot per week.



In the West Coast Basin, Key Well Carson 1 (Zone 2) shows water level fluctuations in the confined aquifer. Water levels generally rose between 1997 and 2006, leveled off between 2006 and 2008, declined in 2009, then rebounded through the early part of 2010 but are now falling. Water levels in this basin are controlled predominantly by seawater barrier injection and pumping extractions.

Pumping:

The amount of pumping in the District in the current Water Year versus the previous Water Year is shown on the table below. The Central Basin is currently 0.57% below the previous year and the West Coast Basin is currently 2.54% lower than the previous year. WRD is forecasting total pumping for the Water Year at 240,200 AF based on current information.

Basin	October – July		Difference (AF)	Difference (%)	Total Planned for Water Year
	Current WY (AF)	Previous WY (AF)			
Central	161,205.88	162,128.13	-922.25	-0.57	201,500
West Coast	36,206.43	37,148.87	-942.44	-2.54	38,700
TOTAL	197,412.31	199,277.00	-1,864.69	-0.94	240,200

FISCAL IMPACT

For information.

STAFF RECOMMENDATION

For information.



MEMORANDUM

ITEM NO. 5

Prepared by: Jason Weeks

Reviewed by: Ted Johnson

Approved by: Robb Whitaker

DATE: OCTOBER 6, 2010
TO: WATER RESOURCES COMMITTEE
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: GROUNDWATER BASINS MASTER PLAN UPDATE

SUMMARY

District staff and its consultants, CH2MHILL and RMC Water and Environment, are continuing work on the development of a Groundwater Basins Master Plan for the West Coast and Central Basins (Plan).

Phase 1 of the Plan consists of review and refinement of goals and objectives based on input from water rights holders and basin stakeholders, interviews with water rights holders and basin stakeholders to develop projected baseline conditions for future operations of the basins, and the development of conceptual alternative management scenarios for future basin operations to reduce reliance on imported water. District staff and consultants have completed interviews with all major water rights holders in the West Coast Basin that serve residential customers and all major industrial water rights holders, which consist of refineries.

A workshop to discuss conceptual groundwater extraction and replenishment scenarios for the West Coast Basin was scheduled on September 29, 2010 at the District office. At the workshop, participants were presented an overview of information collected during stakeholder interviews and conceptual scenarios showing how West Coast Basin adjudicated rights may be utilized in the future.

Interviews with Central Basin water rights holders and stakeholders are currently being scheduled and are expected to begin by mid-October.

District staff will provide the Committee with an overview of the workshop held on September 29 and provide an update on the status of the development of the Plan.

FISCAL IMPACT

None.

STAFF RECOMMENDATION

For information.



MEMORANDUM

ITEM NO. 6

Prepared by: Tony Kirk

Reviewed by: Ted Johnson

Approved by: Robb Whitaker

DATE: OCTOBER 6, 2010
TO: WATER RESOURCES COMMITTEE
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: FIELD VEHICLE

SUMMARY

On August 20th the Board authorized Staff to solicit bids from Mitsubishi Commercial Truck Dealerships in Los Angeles and Orange County for the purchase of a field vehicle. A specification and request for proposal for the WRD field vehicle was provided to all six area Mitsubishi dealerships. Four proposals from three dealerships were received for 2010 model year vehicles. They were, in order from lowest to highest:

1. Western Truck Exchange \$ 49,707.00
2. Carmenita Truck Center \$ 50,673.30
3. United Truck Centers, Inc. \$ 51,013.76
4. United Truck Centers, Inc. \$ 51,537.36

All proposals were based on model year 2010 vehicles currently available and in stock at time of proposal submission. New model year 2011 vehicles are not yet in production and pricing is not currently available. The vehicles proposed from the dealerships listed above may have already been sold. If the lowest priced vehicle has already been sold, Staff requests authorization to select the next lowest available price from responding dealerships listed.

FISCAL IMPACT

Not greater than \$52,000. This item has been included in the FY2010/2011 budget under Project 011000 (Regional Groundwater Monitoring Program).

STAFF RECOMMENDATION

Authorize staff to enter into a purchase contract for the specified field vehicle from Western Truck Exchange. In the event the specified vehicle from Western Truck Exchange has already been sold, then to authorize staff to proceed with a purchase contract with the next lowest priced dealership on the list for an amount not to exceed \$52,000.



MEMORANDUM

ITEM NO. 7

Prepared by: Ted Johnson

Reviewed by: Nancy Matsumoto

Approved by: Robb Whitaker

DATE: OCTOBER 6, 2010

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: REQUEST FOR PROPOSALS FOR MODELING RECYCLED WATER INJECTION FOR PERMIT COMPLIANCE, ALAMITOS AND DOMINGUEZ SEAWATER BARRIERS

SUMMARY

Advanced-treated recycled water has been injected into the Alamitos Seawater Barrier since October 2005 and the Dominguez Gap Barrier since February 2006. Separate permits for the projects were issued by the Los Angeles Regional Water Quality Control Board after receiving approval from the California Department of Public Health. A condition of the permits is to submit annual reports documenting certain activities related to recycled water production, quality, injection, and movement through the aquifers over the past calendar year. Using previously created computer models of the barriers and aquifers, annual updates to these models help meet the regulatory requirements for recycled water movement and concentration in the groundwater basins.

For the past few years, WRD has had separate annual contracts with consulting firms to perform the modeling. Recently, a major upgrade to the Alamitos Barrier model was completed in cooperation with the Los Angeles County Department of Public Works and the Orange County Water District to make the model more accessible to the public domain. Because of the new Alamitos Barrier model and because results are required from both Alamitos and Dominguez Gap Barrier models within a month from each other, for efficiency and cost reduction Staff is recommending contracting the annual modeling of the Alamitos and Dominguez Gap barriers to the same consulting firm. In addition, the term of the contract would be for three years instead of one year, to avoid the time and expense for annual procurement processes for identical annual work. Requests for Proposals will be sent to qualified groundwater modeling firms for consideration; it is anticipated that a contract will be awarded at the December Water Resources Committee meeting.

FISCAL IMPACT

This work has been budgeted in the current fiscal year. Actual costs will be dependent on the selected consulting firm.

STAFF RECOMMENDATION

Issue Request for Proposals for annual groundwater modeling of the Alamitos and Dominguez Gap barriers for permit compliance.



MEMORANDUM

ITEM NO. 8

Prepared by: Nancy Matsumoto

Reviewed by: Robb Whitaker

Approved by: Robb Whitaker

DATE: OCTOBER 6, 2010

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: MEMORANDUM OF UNDERSTANDING WITH LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR SALT / NUTRIENT MANAGEMENT PLANNING

SUMMARY

The State Water Resources Control Board (SWRCB) issued their Recycled Water Policy, effective May 14, 2009. As stated in the Policy, its purpose is to establish uniform requirements for recycled water use and to develop sustainable water supplies throughout the state. The SWRCB therefore "support(s) and encourage(s) every region...to develop a Salt / Nutrient Management Plan by 2014".

Per the Policy, development of Salt / Nutrient Management Plans is intended to be a collaborative, stakeholder-driven process for every basin / sub-basin across the state, with the Regional Water Quality Controls Boards (RWQCBs) serving as stakeholders and providing key technical input. The final Salt / Nutrient Management Plans are to be submitted to the RWQCBs for approval and adoption as Basin Plan Amendments to the existing Basin Plans.

If stakeholders do not develop Salt / Nutrient Management Plans, then RWQCBs will require individual monitoring programs for each recycled water project, as well as individual water quality mitigation requirements. In general, stakeholders would lose the opportunity for regional salinity management and the ability to provide input on requirements for future recycled water projects.

Since the Recycled Water Policy was issued, the SWRCB and the RWQCBs have gradually provided more specific guidance related to implementing the stakeholder-driven process and the suggested elements for Salt / Nutrient Management Plans. Accordingly, the District has taken steps toward leading the development of a Salt / Nutrient Management Plan for the Central and West Coast Basins. Preliminary meetings between various water-supply stakeholders and the RWQCB-LA have been held, and an initial survey of relevant water quality data sources has been conducted.

Recently, the District has been in discussions with the Los Angeles County Flood Control District (LACFCD). The agencies have agreed that it would be beneficial to work together towards developing a Salt / Nutrient Management Plan for the Central and West Coast Basins, particularly with respect to evaluating the stormwater quality objectives found in the existing

Basin Plan for the region. (Stormwater use is encouraged by the Recycled Water Policy as a method of managing recycled water use in basins / sub-basins.)

The LACFCD is interested in retaining the firm of Paul, Hastings, Janofsky & Walker (Paul Hastings) to advise LACFCD and WRD in strategic planning for the Salt / Nutrient Management Plan process. The firm includes personnel having specific, relevant experience that would be dedicated to this effort.

Paul Hastings has estimated a cost of \$150,000 for an approximately 10-month strategic planning effort. LACFCD and WRD management have tentatively agreed to split these costs equally, pending agency approvals.

FISCAL IMPACT

This is not a budgeted item. The District will seek outside funding to assist with the costs for this effort.

STAFF RECOMMENDATION

Enter into a Memorandum of Understanding with LACFCD to co-fund the strategic planning related to the Salt / Nutrient Management Plan for the Central and West Coast Basins, for a cost to WRD not-to-exceed one-half of the proposed amount, or \$75,000. WRD will administer the contract with Paul, Hastings, Janofsky & Walker for this work.



MEMORANDUM

ITEM NO. 9

*Prepared by: Jim McDavid
Reviewed by: Ted Johnson
Approved by: Robb Whitaker*

DATE: OCTOBER 6, 2010

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

**SUBJECT: GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP)
UPDATE**

SUMMARY

The GRIP partnership, made up of the WRD, Upper San Gabriel Valley Municipal Water District (USGVMWD) and Los Angeles County Sanitation Districts (LACSD), continues to move forward with developing a program that would replace imported replenishment water with a locally sustainable supply (i.e. advanced treated reclaimed water). Staff will provide a verbal report of progress made over the last month.

FISCAL IMPACT

None at this time.

STAFF RECOMMENDATION

For information.