

APPENDIX M: UWMP PROJECT COORDINATION

M.1 June 21, 2005

The following letter was sent to the City of La Habra on June 21, 2005 from I-Wen Yang, Principal Engineer for the Municipal Water District of Orange County. This letter provides the initial coordination between La Habra and MWDOC.

Dear Manager:

As you are aware, all California agencies providing water to more than 3,000 customers or supplying more than 3,000 acre-feet of water a year are required to update their Urban Water Management Plans (UWMP) every five years, according to California Water Code Section 10621(a). The enclosed information packet, which was compiled by the Municipal Water District of Orange County (MWDOC) using information gathered in coordination with our 30 member agencies, will assist you in updating your agency's UWMP.

Please give this package to the appropriate personnel or your consultant, if you are using one, who will be preparing the UWMP for your agency.

Information included in this package

Using the "Review for Completeness" form designed by Department of Water Resource (DWR) staff in its 2005 UWMP guidebook, MWDOC has completed 33 tables with supply and demand information specific for your agency. Other tables in this form are not related to supply and demand analysis, but still need to be completed by your agency. You will need to complete all the tables in this information package prior to submitting your plan to DWR. Here are descriptions of the 33 tables, completed by MWDOC for your agency, and the specific water codes they meet:

- Tables 4, 6, and 7 – identify and quantify sources of supply for your agency (Section 10631 (b))*
- Tables 8 and 9 – describe the reliability of the sources of supply identified (Section 10631(c))*
- Tables 12, 13, 14, and 15 – quantify past, current, and projected water use for your agency (Section 10631 (e))*

- *Table 17 – list water supply projects that may be undertaken to meet projected water use identified in the water supply and demand assessment (Section 10631 (h)) (Note: If your agency has projects shown on Table 17, please provide MWDOC the estimated construction starting date for the projects listed on this table.)*
- *Table 19 – quantify wholesale supply that your agency is expected to purchase from MWDOC, who in turn will purchase water from the Metropolitan Water District of Southern California (MET) (Section 10631 (k))*
- *Tables 20 and 21 - quantify the source of supply and the reliability of water MWDOC is expected to purchase for your agency from MET (Section 10631 (k))*
- *Table 24 – estimate the minimum supply available for your agency for the next three year (this is required to meet Section 10632 (b) – preparation of Shortage Contingency Plan)*
- *Tables 40 to 60 – assess the reliability of your water service to your customers by comparing total water supply sources available with the projected water use for a normal water year, a single dry water year, and multiple dry water years (Section 10635 (a))*

How did MWDOC generate the information in this package?

In the past six months, MWDOC staff worked closely with its member agencies in projecting the retail demand consumption and the local supply development through two coordination workshops, MWDOC’s Five-Year Survey, and many one-on-one meetings.

MWDOC developed a water balance model that is capable of projecting demand and supply (including groundwater produced from the Orange County Water District basin) for each member agency under various climate conditions using the following inputs –

- 1. Member agencies’ projected retail demands in normal water year condition*
- 2. Member agencies’ projected local project development, except for groundwater production from OCWD basin*
- 3. OCWD’s forecast of replenishment supplies from the Santa Ana River, incidental recharge, the Groundwater Replenishment System, and other non-MET related purchases.*
- 4. MET’s forecast of availability of replenishment supply to the Orange County groundwater basin*

5. *Climate factors reflecting historical hydrology from 1922 to 2004 (this model can also simulate the variation of supply and demand from forecasts during normal conditions using historical hydrology. For the update of 2005 UWMP, this model adopts the latest climate factors developed by MET.)*

Using the output from this model, MWDOC prepared this package to assist you in updating your agency's UWMP.

If you have any questions or identify a discrepancy in data, please contact me at 949-232-3629 or via e-mail at iyang@mwdoc.com.

MWDOC will host another in our series of coordination meetings in the next few weeks to discuss any questions you may have regarding this information packet or your agency's UWMP. Due to the construction activities and the resulting lack of parking at MWDOC headquarters, I am looking for an agency that would like to host this meeting. The time and date are flexible. Please let me know if you are interested.

Sincerely,

I-Wen Yang

Principal Engineer

M.2 July 19, 2005

The following e-mail was sent by Kristin Swihart, RMP Engineering Consultant, on behalf of the City of La Habra, on July 19, 2005 at 3:06 p.m. to I-Wen Yang, Principal Engineer for the Municipal Water District of Orange County. This e-mail provided a description of the La Habra Groundwater Basin, as well as projected supply revisions.

I-Wen,

Attached is a description of the La Habra Groundwater basin, which is based upon a study that was completed in 1977. If you need any additional information regarding the basin please don't hesitate to contact me, however, available information is limited.

In addition, we have scheduled a meeting with Cal Domestic to discuss the improvement project that they are currently implementing (refer to the second attachment for a brief description) and how it will affect La Habra's projected supply. I will email you the revised supply projections as soon as they become available, however, please note that this will likely result in a lower requested supply from MWDOC. I understand that you have a cut-

off date for information that you can change in your plan, however, this information will be provided for future planning purposes and coordination if you are not able to incorporate it into the current planning effort.

If you have any questions or need any additional information, please don't hesitate to contact me at 949/282-0123 x222 or Kristin.Swihart@RMPCorp.com.

*Thank you,
Kristin
Engineering Consultant*

M.3 September 12, 2005

The following e-mail was sent by Kristin Swihart, RMP Engineering Consultant, on behalf of the City of La Habra, on September 12, 2005 at 12:52 p.m. to I-Wen Yang, Principal Engineer for the Municipal Water District of Orange County. This e-mail provided revisions to La Habra's projected supply and demand calculations.

I-Wen,

Per your request, the City of La Habra has reviewed the information that was included in the MWDOC Regional Urban Water Management Plan and has found several discrepancies related to La Habra's projected supply and demand calculations. The information that was originally provided to MWDOC by La Habra was developed assuming no population growth; however, the projected demand has been recalculated using the historical per capita consumption and the projected population growth. The increased demand has increased the amount that La Habra intends to purchase from MWDOC. In light of this new information, does MWDOC foresee a problem providing this volume of water to La Habra?

In addition, Cal Domestic has indicated that the upsizing project currently under development will provide La Habra with a maximum of 7,200 AFY, based on the capacity of the facilities.

The following table summarizes the amount and sources of supply that will meet La Habra's demand. Please note that the Cal Domestic and La Habra Basin supply is maximized based on current facilities...

...I understand that you have a cut-off date for information that you can change in your plan, however, this information will be provided for future planning purposes and coordination if you are not able to incorporate it into the current planning effort. However, it would be appreciated if MWDOC would provide confirmation as to the availability of water that was requested above the original amount (2,450 acre-feet in years 2015, 2020, 2025, and 2030).

If you have any questions or need any additional information, please don't hesitate to contact me at 949/282-0123 x222 or Kristin.Swihart@RMPCorp.com.

*Thank you,
Kristin Swihart
Engineering Consultant*

M.4 October 13, 2005

The following e-mail was received by Kristin Swihart, RMP Engineering Consultant, on behalf of the City of La Habra, Thursday October 13, 2005 at 11:03 a.m. from I-Wen Yang, Principal Engineer for the Municipal Water District of Orange County. This e-mail announced the availability of MWDOC's regional Urban Water Management Plan and requested each member agency to review the included information for accuracy and consistency with the local plan.

Dear Colleagues,

I am writing to request any changes you would like to incorporate to the MWDOC's Final 2005 Urban Water Management Plan.

On October 12, MWDOC released its Draft 2005 Urban Water Management Plan for public review. The comment period for this document ends on November 16. While receiving the comments from the public, MWDOC would like to conduct another run of the water reliability analysis to incorporate any changes of supply and demand assumption that have occurred since the time of draft.

We all know that Metropolitan, MWDOC, as well as the water retailers are preparing Urban Water Management Plans simultaneously. Although MWDOC has made every effort possible to coordinate information with its member agencies' plans, much of the data collected at the time is based on the best available information. Change is an inevitable part of a planning process, and MWDOC is fully aware of the nature of this process. As a responsible agency, MWDOC would like to be as flexible as possible to any changes.

Now that as most of us are finalizing our plans, MWDOC would like to take this opportunity to incorporate any changes that have occurred since data were last collected into the final reliability analysis for its Urban Water Management Plan. MWDOC has already received input from several agencies regarding changes in their demand and supply assumptions. OCWD has also notified MWDOC of certain changes to its operational assumptions and has requested MWDOC modify the analysis accordingly.

As MWDOC staff is preparing for this final run of analysis, we ask that you submit, if you have not done so already, any changes you may have made since you last provided the information to MWDOC regarding your agency's local supply and retail demand.

*Again, we do need to set a cut off date for this run of analysis. Please submit any changes you may have to me (iyang@mwdoc.com) by **Monday, October 24**.*

We appreciate your understanding and patience during this time. Please contact me if you have any questions regarding this request.

Sincerely,

I-Wen Yang

Principal Engineer

M.5 November 21, 2005

The following e-mail was received by Kristin Swihart, RMP Engineering Consultant, on behalf of the City of La Habra, Monday November 21, 2005 at 11:01 a.m. from I-Wen Yang, Principal Engineer for the Municipal Water District of Orange County. Revised supply projections for each agency within MWDOC's service area, including the City of La Habra, were attached to this email. The projections were revised based upon the information previously supplied to MWDOC.

Dear Colleagues,

Attached is the newly revised informational package to assist you in your Urban Water Management Plan. The information contained in this package will be used in MWDOC's 2005 Final Urban Water Management Plan.

As I pointed out in my last email to you, MWDOC as well as the water retailers are preparing Urban Water Management Plans simultaneously, and we all have made every effort possible to coordinate information used in our plans. After MWDOC released its

draft Urban Water Management Plan, MWDOC took the opportunity to incorporate any changes that have occurred since data were last collected into the final reliability analysis for its Urban Water Management Plan. In that email, MWDOC requested all changes to be submitted to MWDOC on October 24th for staff to incorporate the changes to the final reliability analysis.

The results of that analysis are included in the attached package for your use. The information reflects the changes submitted by the following agencies:

- OCWD – groundwater basin operation criteria, which have effects on the local supply projections for all agencies in Orange County Basin.*
- City of Garden Grove – Retail demand projection;*
- City of La Habra – Local supply projection;*
- Yorba Linda Water District – Retail demand projection;*
- El Toro Water District – Retail demand projection;*
- Trabuco Canyon Water District – Retail demand and local supply projections;*
- Moulton Niguel Water District – Local supply projection;*
- Santa Margarita Water District – Retail demand and local supply projections; and*
- Irvine Ranch Water District – Local supply projection.*

Due to the size of the file, I have zipped the spreadsheet for email purpose. Please contact me if you have any problem in accessing the file. When open the file, please choose the “do not update link” option. You may use the “instruction” tab to navigate around the file. Again, please feel free to contact me if you have any questions on the file. My number is 949-232-3629. Best luck to your Urban Water Management Plan.

Sincerely,

I-Wen Yang

Principal Engineer