

# NIPOMO COMMUNITY SERVICES DISTRICT

MONDAY, JUNE 11, 2012

10:00 A.M.

## **SPECIAL MEETING NOTICE & AGENDA** **WATER RESOURCES POLICY COMMITTEE**

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### COMMITTEE MEMBERS

ED EBY, CHAIRMAN  
MIKE WINN, MEMBER

### PRINCIPAL STAFF

MICHAEL S. LEBRUN, GENERAL MANAGER  
LISA BOGNUDA, ASST GM/FINANCE DIRECTOR  
JON SEITZ, GENERAL COUNSEL  
PETER SEVCIK, DISTRICT ENGINEER

**MEETING LOCATION - District Board Room**  
**148 S. Wilson Street, Nipomo, California**

1. **CALL TO ORDER, FLAG SALUTE AND ROLL CALL**
2. **REVIEW COMMITTEE PURPOSE AND GOALS**  
ACTION RECOMMENDED: Discuss Committee purpose and goals.
3. **REVIEW COMMITTEE PROCESS**  
ACTION RECOMMENDED: Review the process the Committee intends to follow to reach decision point on supplemental water
4. **DISCUSS IDEAS FOR THE FORMATION OF SUPPLEMENTAL WATER ALTERNATIVES REVIEW COMMITTEE**  
ACTION RECOMMENDED: Discuss goals of and process for forming a sub-committee to review alternatives for delivering supplemental water to the Nipomo Mesa Water Conservation Area. Forward recommendation, if any, to Board of Directors
5. **CONSIDER LETTER TO COUNTY BOARD OF SUPERVISORS REGARDING SUPPLEMENTAL WATER**  
ACTION RECOMMENDED: Review draft letter and forward recommendation, if any, to Board of Directors
6. **CONSIDER TASK ORDER WITH AECOM FOR SUPPLEMENTAL WATER PROJECT (INTERTIE PIPELINE) PHASING TECHNICAL FEASIBILITY STUDY**  
ACTION RECOMMENDED: Review AECOM proposal and forward recommendation, if any, to Board of Directors.
7. **PRESENTATION ON DESALINIZATION TECHNOLOGY**  
John D. Riley, President Verno Water, Inc. will give a 10-minute presentation on his firms desalination technology.  
ACTION RECOMMENDED: Receive presentation.
8. **SET NEXT WATER RESOURCES POLICY COMMITTEE MEETING**
9. **ADJOURN**

TO: WATER RESOURCES POLICY  
COMMITTEE

FROM: MICHAEL S. LEBRUN *MGL*  
GENERAL MANAGER

DATE: JUNE 8, 2012



## REVIEW COMMITTEE PURPOSE AND GOALS

### ITEM

Discuss purpose and goals of Nipomo Community Services District Board of Directors Water Resources Policy Committee. [CONSIDER INFORMATION AND DIRECT STAFF]

### BACKGROUND

At its May 23, 2012 Regular Meeting the Nipomo Community Services District Board of Directors voted to form the Water Resources Policy Committee. President Harrison appointed Director Eby as Chairperson and Director Winn and member.

The Committee is evaluating options for Board direction forward following the unsuccessful ballot measure to fund construction of an intertie pipeline to deliver supplemental water from the City of Santa Maria to the Nipomo Mesa Water Conservation Area via the District's potable water distribution system.

Committee members will discuss the metrics, which govern the evaluation of supplemental water project alternatives, namely;

- Meet the State Superior Court mandate for providing a physical water resources solution to the Nipomo Mesa Management Area
- Delivery capability of at least 2,500 acre-feet of water annually
- New water delivery as soon as possible to address ongoing resource depletion
- Most affordable and cost efficient solution

### RECOMMENDATION

Discuss Committee purpose and goals, and provide staff direction.

TO: WATER RESOURCES POLICY  
COMMITTEE

FROM: MICHAEL S. LEBRUN *MSL*  
GENERAL MANAGER

DATE: JUNE 8, 2012

**AGENDA ITEM**

**3**

**JUNE 11, 2012**

**REVIEW COMMITTEE PROCESS**

**ITEM**

Discuss the process by which the Committee will evaluate various paths forward to addressing water resources shortfall in the Nipomo Mesa Water Conservation Area. [CONSIDER INFORMATION AND DIRECT STAFF]

**BACKGROUND**

The Committee is tasked with evaluating options to address water resources shortfall on the Nipomo mesa through development of a supplemental water project to augment the area's groundwater-only potable water supply.

Committee members will discuss various paths forward and define a unified decision point with the goal of reaching that point within one year. Paths forward are envisioned to include at least;

- Engineering a reduced configuration of intertie pipeline to deliver water from the City of Santa Maria
- Analysis of supplemental water project options
- Financing approach for supplemental water project(s)

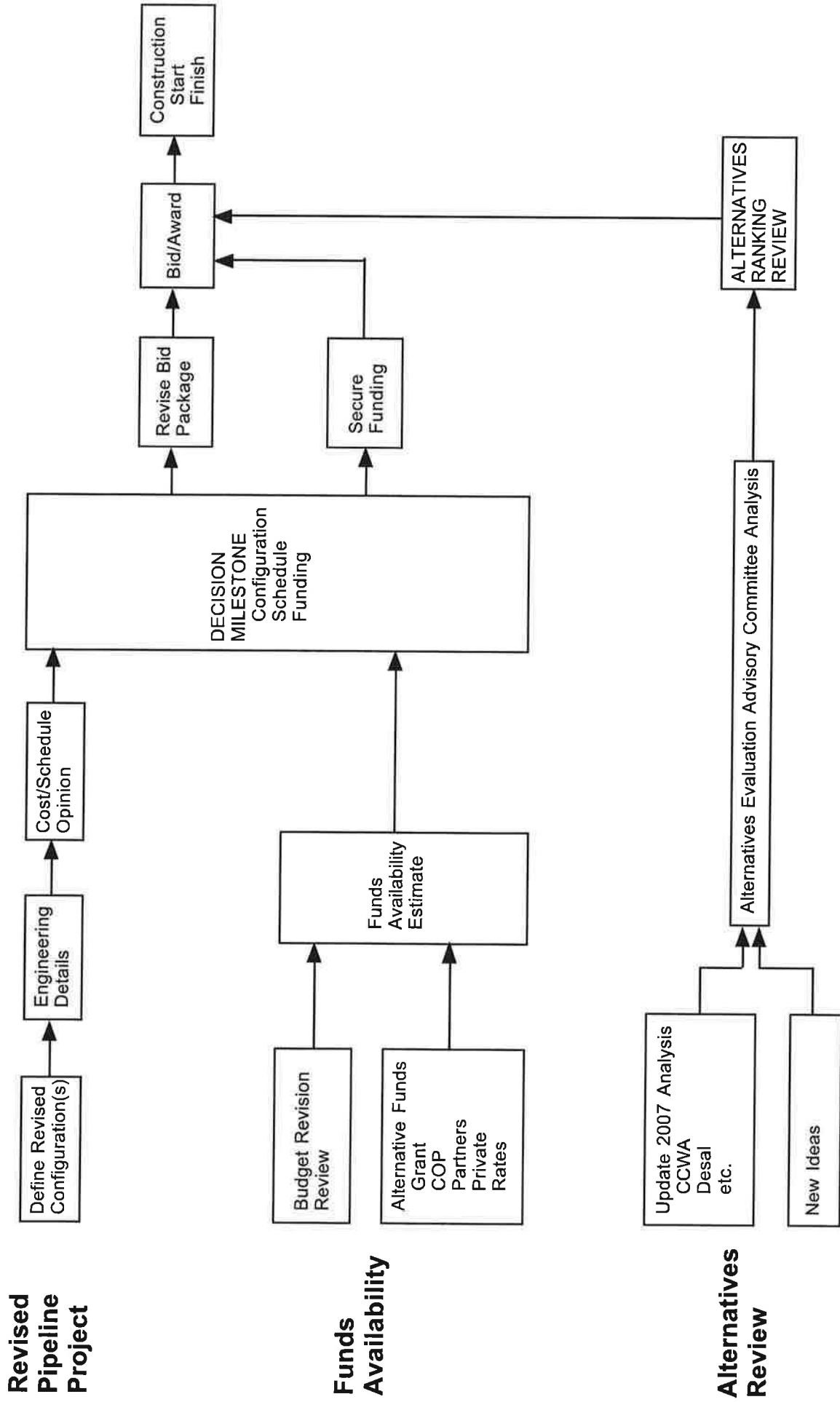
**RECOMMENDATION**

Discuss Committee process, and provide staff direction.

**ATTACHMENT**

- Policy Committee Process Diagram

# Proposed Policy Committee Process



TO: WATER RESOURCES POLICY  
COMMITTEE

FROM: MICHAEL S. LEBRUN *MSL*  
GENERAL MANAGER

DATE: JUNE 8, 2012

## AGENDA ITEM

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JUNE 11, 2012

### DISCUSS FORMATION OF A SUPPLEMENTAL WATER ALTERNATIVES COMMITTEE

#### ITEM

Discuss forming a Nipomo Mesa Water Conservation Area supplemental water alternatives review committee. Discuss goals, ground rules and formation criteria for the Alternatives Review Committee [CONSIDER INFORMATION AND DIRECT STAFF]

#### BACKGROUND

At its May 23, 2012 Regular Meeting the Nipomo Community Services District Board of Directors voted to form the Water Resources Policy Committee. President Harrison appointed Director Eby as Chairperson and Director Winn and member.

The Committee is evaluating options for Board direction forward following the unsuccessful ballot measure to fund construction of an intertie pipeline to deliver supplemental water from the City of Santa Maria to the Nipomo Mesa Water Conservation Area (NMWCA) via the District's potable water distribution system.

Committee members will discuss forming a separate committee to review alternatives for delivery of supplemental water to the Nipomo Mesa Water Conservation Area.

The Committee will discuss and define goals for the review of alternatives, such as:

1. Review Supplemental Water Alternatives
  - a. Begin with review of 2007 Boyle Engineering Study
  - b. Introduce new ideas
  - c. At a minimum review the following options:
    - i. Intertie pipeline with City of Santa Maria
    - ii. Connection to Central Coast Water Authority pipeline (State Water Pipeline that transects Nipomo)
    - iii. Desalinization of seawater/brackish water
    - iv. Reclaim Phillips 66 process water
    - v. Recycled water sources
2. Report findings to Nipomo CSD
  - a. Interim Statement of Work
    - i. Alternatives to consider
    - ii. Assignment of analyses to committee members
    - iii. Initial listing of issues for each alternative
  - b. Interim Reports
    - i. Preliminary findings
    - ii. Meeting minutes

- c. Final Report
  - i. Presentation
  - ii. Written report of findings

Ground rules for the review committee will be discussed and defined, such as;

- No reexamination of Mesa groundwater supply
- No CEQA review
- Santa Maria Urban Water Management Plan 2010 update is authoritative document regarding supply and reliability of imported water from City of Santa Maria and Santa Maria Valley.

Formation of the review committee will be discussed, including the following topics:

- Appointing a Chair person
- Assigning District Engineer to Vice-Chair
- Appointing three registered professional engineers with water resources experience
- Appointing two to three environmentally qualified individuals
- Appointing two individuals with experience in public works project financing.
- Application and assignment process

#### **RECOMMENDATION**

Discuss alternatives review committee goals, ground rules, and formation criteria and direct staff.

TO: WATER RESOURCES POLICY  
COMMITTEE

FROM: MICHAEL S. LEBRUN *MSL*  
GENERAL MANAGER

DATE: JUNE 8, 2012



**CONSIDER LETTER TO COUNTY BOARD OF SUPERVISORS  
REGARDING SUPPLEMENTAL WATER**

**ITEM**

Consider draft letter from Board President to County Board of Supervisors regarding supplemental water to address Level Severity III water resource finding in Nipomo Mesa Water Conservation Area [REVIEW DRAFT LETTER AND FORWARD RECOMMENDATION, IF ANY, TO BOARD OF DIRECTORS]

**BACKGROUND**

At its May 23, 2012 Regular Meeting the Nipomo Community Services District Board of Directors voted to form the Water Resources Policy Committee. President Harrison appointed Director Eby as Chairperson and Director Winn and member.

The Committee requested consideration of a draft letter to County Board of Supervisors, telling them of our intention to form an alternatives evaluation advisory group but welcoming County formation of a "blue ribbon committee" if they wish to lead the effort instead.

**RECOMMENDATION**

Discuss draft letter and forward recommendation, if any, to Board of Directors.

**ATTACHMENT**

- DRAFT LETTER

Wednesday, 9 June 2012

Supervisor James Patterson  
SLO County Board of Supervisors  
San Luis Obispo, CA 93408

Dear Chairperson Patterson, and Supervisors,

As you know, the Nipomo Community Services District's effort to fund the construction of a pipeline from the City of Santa Maria by an equitable distribution of property taxes to provide supplemental water for the Nipomo Mesa was rejected last month by the landowners of the four major water providers here.

This setback for regional water planning did nothing to address our region's need for a sustainable, long-term supply of water, and the court order to bring in supplemental water from Santa Maria remains in place.

As a result, we are forming a technical advisory committee, much as your Board did in Los Osos, to reevaluate all the alternatives previously found inadequate, look at new alternatives as they may present themselves, and analyze the potential for a phased approach to a Santa Maria pipeline that, though slower and costing more over time, could be financed by moneys in hand and our current rate structure. The DWR grant we helped your Public Works staff negotiate would be an important part of that latter effort.

We will solicit applications for committee members from professionals who reside or have worked in the South County to take a fresh look at all the options and advise our Board on the strengths and weaknesses of each.

Some have suggested that your Board should lead in this effort, and we are writing to welcome you to form your own "blue ribbon committee" if you choose to assume leadership. Due to the pressing nature of our



groundwater deficiencies, time is of the essence. We will press ahead now with our effort, but we will gladly step aside if you choose to take the lead in the financing and construction of a supplemental water solution instead.

Cordially,

James Harrison, President  
Nipomo Community Services District

cc. Supervisor Frank Mecham  
Supervisor Bruce Gibson  
Supervisor Adam Hill  
Supervisor Paul Teixeira  
Paavo Ogren, Public Works Director

TO: WATER RESOURCES POLICY  
COMMITTEE

FROM: MICHAEL S. LEBRUN *MSL*  
GENERAL MANAGER

DATE: JUNE 8, 2012

**AGENDA ITEM**

**6**

**JUNE 11, 2012**

**CONSIDER TASK ORDER WITH AECOM FOR SUPPLEMENTAL  
WATER PROJECT (INTERTIE PIPELINE) PHASING TECHNICAL  
FEASIBILITY STUDY**

**ITEM**

Consider task order in amount of \$7,150 with AECOM for a technical feasibility study of supplemental water project (Intertie pipeline) alternatives. [REVIEW TASK ORDER AND FORWARD RECOMMENDATION, IF ANY, TO BOARD OF DIRECTORS]

**BACKGROUND**

At your May 29, 2012 Water Resources Policy Committee Meeting, your Committee directed staff to explore modifications to the Supplemental Water Project that may reduce pipeline flow rate and allow for phased construction to reduce annual funding demands.

Staff requested that AECOM provide a proposal for a phasing technical feasibility study for the Supplemental Water Project as requested by the Committee. AECOM submitted the attached proposal to perform the work for a not to exceed amount of \$7,150. The scope of work includes identification of potential phasing scenarios, performing hydraulic modeling to analyze the scenarios, and reviewing the existing pump station design based on the modeled scenarios.

The results would be documented in a technical memorandum for consideration by your Committee and the Board of Directors.

**RECOMMENDATION**

Discuss proposal and forward recommendation, if any, to Board of Directors.

**ATTACHMENT**

- AECOM proposal



AECOM  
1194 Pacific Street, Suite 204  
San Luis Obispo CA 93401

805.542.9840 tel  
805.542.9990 fax

June 7, 2012

Michael LeBrun  
Nipomo Community Services District  
PO Box 326  
Nipomo, CA 93444

### **Supplemental Water Project – Revised Phasing Technical Feasibility Study**

Since the unsuccessful assessment vote for the Supplemental Water Project funding, NCSD's staff and Board of Directors have been working hard to develop options and evaluate the path forward for addressing the Mesa's supplemental water issues. The District has made significant investment in the Supplemental Water Project planning and design. There may be a revised phasing of the Project that would be feasible and make use of District's investments. Several aspects of a revised phasing would need to be evaluated, including technical, financial, and legal feasibility.

At your request, AECOM has prepared this proposal to perform a brief technical assessment of potential phasing scenarios for the Supplemental Water Project and evaluate impacts to the capital construction cost. Results of this study will be summarized in a technical memorandum and presented to the NCSD Water Resources Policy Committee and the Board of Directors.

#### Scope of Work

The detailed scope of work is outlined below.

Task 101. Identify potential phasing scenarios – AECOM will review the Supplemental Water Project design and develop up to three phasing scenarios, focusing on deferring project components that may not be essential for delivering supplemental water in the initial phase(s). This likely will result in a reduced flow capacity, which will need to be balanced against the potential reduced construction cost for these scenarios.

Task 102. Hydraulic Modeling – Hydraulic modeling will assist with evaluation of the capacity of the phasing scenarios determined by modeling different amounts of supplemental inflow from the Project and examining the resulting pressures at critical conditions around the system. Various phasing scenarios will be modeled to determine the maximum capacity for each. Our budget assumes up to three modeling scenarios will be analyzed.

Task 103. Pump Station Assessment – After development of phasing scenarios and modeling the maximum capacities of these scenarios, AECOM will review the flows and required pressures at the pump station and assess potential required revisions to the existing pump station design. Alternatives will be evaluated to match the capacities of the revised phasing scenarios with options for expansion in the future.

Task 104. Draft Technical Memorandum – AECOM will summarize the results of the feasibility study, including potential phasing scenarios, associated water delivery rates and associated capital construction costs, in a technical memorandum for District staff to review and comment. Our budget assumes an electronic submittal for this deliverable (as a PDF).

Task 105. Final Technical Memorandum – After receipt of a consolidated set of comments from the District, AECOM will integrate the comments as appropriate and provide a final technical memorandum (2 hard copies and 1 PDF file).

Task 106. Present Results to Committee and Board – Once the final technical memorandum is completed, AECOM will present the results to the Water Resources Policy Committee and the NCSD Board of Directors at the next available regularly scheduled meetings for each.

#### Schedule

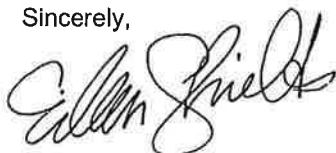
AECOM will deliver the draft technical memorandum three weeks after Notice to Proceed. The final technical memorandum will be delivered within 2 weeks of receiving comments from the District.

#### Budget

Our fee and charges will be invoiced on a time and materials basis, with a budget not to exceed \$7,150 based on the current fee schedule. Details are provided on the estimated engineering fee attached.

Please feel free to contact us if you have any questions or comments.

Sincerely,



Eileen Shields, PE  
Project Engineer



Jon Hanlon, PE  
Managing Engineer

**Estimated Engineering Fee**

**Supplemental Water Project  
Revised Phasing Technical Feasibility Study**

**Nipomo Community Services District**

Task Description	Personnel Hours						Budget		
	Managing Engineer	Senior II	Senior Engineer I	Associate Engineer	Administrative	Total Hours	Labor	Non-Labor Fee	Total
<b>Task Group 1</b>									
101. Identify potential phasing scenarios	1		1			2	\$ 340	\$ 27	\$ 367
102. Hydraulic modeling	1		6			7	\$ 1,115	\$ 89	\$ 1,204
103. Pump station assessment		8				8	\$ 1,320	\$ 106	\$ 1,426
104. Draft Technical Memorandum	2		6	4	1	13	\$ 1,895	\$ 152	\$ 2,047
105. Final Technical Memorandum	1		4	3	1	9	\$ 1,270	\$ 102	\$ 1,372
106. Present results to Committee and Board	2		2			4	\$ 680	\$ 54	\$ 734
<b>Subtotal</b>	<b>7</b>	<b>8</b>	<b>19</b>	<b>7</b>	<b>2</b>	<b>43</b>	<b>\$ 6,620</b>	<b>\$ 530</b>	<b>\$ 7,150</b>
<b>Total</b>	<b>7</b>	<b>8</b>	<b>19</b>	<b>7</b>	<b>2</b>	<b>43</b>	<b>\$ 6,620</b>	<b>\$ 530</b>	<b>\$ 7,150</b>

Personnel Category	\$/HR
Managing Engineer	\$185.00
Senior II	\$165.00
Senior Engineer I	\$155.00
Associate Engineer	\$130.00
Administrative	\$75.00

TO: WATER RESOURCES POLICY  
COMMITTEE

FROM: MICHAEL S. LEBRUN *MSL*  
GENERAL MANAGER

DATE: JUNE 8, 2012



## PRESENTATION ON DESALINIZATION TECHNOLOGY

### ITEM

Receive presentation on desalinization technology by John D. Riley, President Verno Water Inc. [CONSIDER PRESENTATION AND DIRECT STAFF]

### BACKGROUND

Mr. Riley will provide a presentation on recent advances in desalinization technology.

### RECOMMENDATION

Consider presentation and direct staff.

TO: WATER RESOURCES POLICY  
COMMITTEE

FROM: MICHAEL S. LEBRUN *MGL*  
GENERAL MANAGER

DATE: JUNE 8, 2012



## SET NEXT MEETING DATE AND TIME

### ITEM

Discuss the time and date for the next meeting of the Water Resources Policy Committee

[RECOMMEND SET TIME AND DATE OF NEXT COMMITTEE MEETING]

### BACKGROUND

At its May 23, 2012 Regular Meeting the Nipomo Community Services District Board of Directors voted to form the Water Resources Policy Committee. President Harrison appointed Director Eby as Chairperson and Director Winn and member.

The Committee is evaluating options for Board direction forward following the unsuccessful ballot measure to fund construction of an intertie pipeline to deliver supplemental water from the City of Santa Maria to the Nipomo Mesa Water Conservation Area (NMWCA) via the District's potable water distribution system.

Committee members will discuss next meeting date.

### RECOMMENDATION

Consider information, public comment, and provide staff direction.