



# TOWN OF DISCOVERY BAY

A COMMUNITY SERVICES DISTRICT



President – Robert Leete • Vice-President – Kevin Graves • Director – Bill Mayer • Director – Bill Pease • Director – Chris Steele

**NOTICE OF THE REGULAR MEETING  
OF THE WATER AND WASTEWATER COMMITTEE  
OF THE TOWN OF DISCOVERY BAY  
THURSDAY, MARCH 16, 2017**

**STANDING WATER AND WASTEWATER COMMITTEE REGULAR MEETING 3:00 P.M.**

**Community Center**

**1601 Discovery Bay Boulevard, Discovery Bay, California**

**Website address: [www.todb.ca.gov](http://www.todb.ca.gov)**

**Water and Wastewater Standing Committee Board Members**

*Chair Bill Pease*

*Vice-Chair Kevin Graves*

**A. ROLL CALL AND PLEDGE OF ALLEGIANCE**

1. Call business meeting to order 3:00 p.m.
2. Roll Call

**B. PUBLIC COMMENTS (Individual Public Comments will be limited to a 3-minute time limit)**

During Public Comments, the public may address the Committee on any issue within the Committee's jurisdiction which is not on the Agenda. The public may comment on any item on the Agenda at the time that item is before the Committee for consideration. Any person wishing to speak must come up to the designated location. There will be no dialog between the Committee and the commenter. Clarifying questions must go through the Committee.

**C. APPROVED MINUTES**

1. February 16, 2017 Water and Wastewater Standing Committee meeting minutes

**D. DISCUSSION ITEMS**

1. Discussion regarding an "opt out" alternative to the installation of a smart meter
2. Estimated cost for Well No. 2 motor replacement
3. Water and Wastewater budgeting wish list Items
4. Plant research for latest technology
5. Diffuser investigation
6. Water and Wastewater Master Plan update (capacity levels, and new development - Pantages and Hoffmann)
7. Water Meter Project update

**E. FUTURE DISCUSSION/AGENDA ITEMS**

**F. ADJOURNMENT**

1. Adjourn to the next Standing Water and Wastewater Committee meeting at the Community Center located at 1601 Discovery Bay Boulevard.

"This agenda shall be made available upon request in alternative formats to persons with a disability, as required by the American with Disabilities Act of 1990 (42 U.S.C. § 12132) and the Ralph M. Brown Act (California Government Code § 54954.2). Persons requesting a disability related modification or accommodation in order to participate in the meeting should contact the Town of Discovery Bay, at (925)634-1131, during regular business hours, at least twenty-four hours prior to the time of the meeting."

"Materials related to an item on the Agenda submitted to the Town of Discovery Bay after distribution of the agenda packet are available for public inspection in the District Office located at 1800 Willow Lake Road during normal business hours."



# TOWN OF DISCOVERY BAY

A COMMUNITY SERVICES DISTRICT



President – Robert Leete • Vice-President – Kevin Graves • Director – Bill Mayer • Director – Bill Pease • Director – Chris Steele

**MINUTES OF THE REGULAR MEETING  
OF THE WATER AND WASTEWATER COMMITTEE  
OF THE TOWN OF DISCOVERY BAY  
THURSDAY, FEBRUARY 16, 2017  
STANDING WATER AND WASTEWATER COMMITTEE REGULAR MEETING 3:00 P.M.  
Community Center  
1601 Discovery Bay Boulevard, Discovery Bay, California  
Website address: [www.todb.ca.gov](http://www.todb.ca.gov)**

**Water and Wastewater Standing Committee Board Members**

*Chair Bill Pease*

*Vice-Chair Kevin Graves*

**A. ROLL CALL AND PLEDGE OF ALLEGIANCE**

1. Call business meeting to order 3:01 p.m. – By General Manager Davies
2. Roll Call – All Present

**B. PUBLIC COMMENTS (Individual Public Comments will be limited to a 3-minute time limit)**

None

**C. APPROVED MINUTES**

None

**D. DISCUSSION ITEMS**

1. Establish Bylaws for the Water and Wastewater Standing Committee  
There was discussion regarding the Bylaws.
  - Bylaws established
2. Discuss Committee Calendar and set Water and Wastewater Standing Committee meeting dates
  - The calendar was discussed and days and times are set for the third Thursday of every month beginning at 3:00 p.m. at the Community Center. The next meeting date is scheduled for March 16, 2017 beginning at 3:00 p.m.
  - Water and Wastewater Standing committee Chair and Vice-Chair was established - Chair Pease and Vice-Chair Graves for the 2017 year with an annual rotation.
3. Update on Water Meter Installation Project
  - The update was given at the February 15, 2017 board meeting with the details listed below:
    - There are 260 meters in the ground (there are some delays due to the rain)
  - There was discussion regarding the installation of the meters. The discussion continued regarding the summary provided by Justin with Luhdorff and Scalmanini:
    - Overall satisfaction of the residents with the meter installation.
    - The contractors are working well together
    - Communicating well with the residents and keeping records up to date
  - Record keeping within the office  
Discussion continued regarding the estimated cost for each homeowner, a small group of homes being skipped due to being overly complex or out of scope.
4. Update on Filtration Project  
District Engineer Harris provided an update regarding the Filtration Project:
  - The project is 50% complete
  - The structure is complete – working on crack injections and sealing the structure
  - On schedule for September completion – pushing through rain days.

5. Discuss CIP schedule and budgeting for 2017-2018  
There was discussion regarding the CIP schedule and budgeting for 2017-2018 regarding:
  - Testing the Wells – power check on the motor and pump
  - Recommendations from Luhdorff and Scalmanini
    - Well No. 2 motor replacement – in existence since the 70s
    - Have the CIP recommendations prepared for the next Water and Wastewater meeting on March 16<sup>th</sup>
6. Repairs to Plant No. 1  
There was discussion regarding Plant No. 1 repairs
  - Research for latest technology and options (what other Plants have for technology)
 The Staff and District Engineer will be working on the CIP for the Plant No. 1 repairs.
7. Influent Pump Station Generator  
There was discussion regarding the Influent Pump Station Generator at Plant No. 1.
  - Plant No. 1 only has a portable generator – need permanent generator
8. SCADA Update on Willow Lake Site  
There was an update for the SCADA – Kick off meeting January 30<sup>th</sup>; everyone is coordinating together with the tasks and submittals etc.
9. Discuss Lift Station Control Panel Upgrades  
There was an update regarding the Lift Station Control Panel Upgrade.
  - Veolia will handle the bid – design and installation
  - Veolia has started the bid – waiting on the proposals
  - Veolia to manage the project
  - Town to oversee the project
 General Manager Davies will be check with Legal Counsel on the legal aspects of Veolia working on the Lift Station Control Panel Upgrades
10. Discuss Well Performance Testing Results  
There was discussion related to staff doing the research on the Well Performance testing results.
11. Discuss Export Pump Testing  
There was discussion regarding the Export Pump Testing
  - Export Pump Testing not pumping as they thought
  - Diffuser problems – investigation needs to be done on the Export Pump Station. The board is aware of the diffuser problem and District Engineer is unclear as to the fix that is needed; there are 32 pipes that stick out of the old river – a few of the pipes are plugged and a few are missing caps – the District needs to look into – is it the pipeline, is it the diffuser, we need to obtain costs (not currently in the CIP) and would like to have the item on the March 16<sup>th</sup> Water and Wastewater meeting.
12. Discuss Title 22 vs Filtration for District  
There was discussion regarding Title 22 vs Filtration for the District
  - Permit requires filters installed by Dec. 31<sup>st</sup> – reuse water – Test facility as a Title 22
  - Report has to be written, manual, operators to run as a Title 22 facility
  - Operations (Veolia) doesn't have to run as a Title 22 facility until 2022
  - Cost for an Engineers Report and O & M Manual - \$30,000.00
  - Item should be on the CIP and a money set aside for the project in the future
 There discussion continued regarding regulations for Title 22.
13. Lead Sampling for Schools  
There was discussion regarding the amendment of the Water Permit in January 2017.
  - Requested by the School to have a Lead sampling at their site
  - State has been notified of the 4 schools in our District
14. Drought Regulation Update  
There was discussion regarding the drought regulations
  - Regulations still present – can't wash down driveway – can't wash car without a shutoff nozzle – watering on the hardscape still a problem

#### **E. FUTURE DISCUSSION/AGENDA ITEMS**

1. Water and Wastewater Master Plan update
  - For capacity levels
  - New development - Pantages and Hoffmann - meeting later this month to obtain update

There was discussion regarding the future agenda items and what is impacting Discovery Bay – water meters, new development, out of the drought and recession.

#### **F. ADJOURNMENT**

1. The meeting adjourned at 4:33 to the next Standing Water and Wastewater Committee meeting at the Community Center located at 1601 Discovery Bay Boulevard.



# Town of Discovery Bay

*“A Community Services District”*

## Water and Wastewater

### COMMITTEE STAFF REPORT

**Meeting Date**

March 16, 2017

**Prepared By:** Mike Davies, General Manager  
**Submitted By:** Mike Davies, General Manager

*MRD*

**Agenda Title:**

Discussion regarding an “opt out” alternative to the installation of a smart meter.

**Recommended Action**

Provide direction on whether or not to add an “opt out” alternative to the installation of a smart meter, and if yes, provide direction on the type(s) of alternative(s) that may be offered to the customer and the imposition of associated costs.

**Executive Summary**

The Water Meter Completion Project is underway and Badger E-series Ultra-Sonic “smart meters” are being installed. Attached to the smart meter is a Badger Orion Cellular Endpoint that captures meter readings and status information, then broadcasts this data via a 2G cell phone signal to Badger’s software system called “BEACON.” The Town accesses BEACON to view customer water usage for billing purposes, and customers have access to BEACON through the website/app “Eye on the Water” to monitor their individual water use.

A resident has requested to “opt out” of the smart meter installation and requests that an analog water meter be installed in its place. Currently, the Town does not provide an “opt out” alternative.

Alternatives to the Smart Meter – Requires Manual Meter Reading

- 1) Badger E-series Ultra-Sonic meters could be installed without the Badger Orion Cellular Endpoint reader. By eliminating the reader, no cell signal or other broadcast function exists. The meter itself sends ultrasonic signals, but these signals travel completely within the meter. Installation cost would be reduced by the cost of the reader (\$85.50 plus tax and S&H). If the reader is later added, its cost could be billed to the customer at that time.
- 2) A Badger “Recordall Disc Meter” could be installed as an alternative. This meter is a magnetic drive and does not have ultrasonic signals or transmitter capability. The cost of a ¾” is \$101 and the cost of the 1” is \$196 (add tax and S&H). This meter would have to be replaced if a smart meter is desired at a later time, and that cost could be billed to the customer at that time.

Manual Reading Costs

Both alternatives cited above would require manual meter reading and extra billing procedures. Staff time attributable to this type of billing is estimated on average to be 15 minutes per customer. Currently, this would be:

Employee Burdened Rate:	\$49.98/hr.	
13% Operation Surcharge (overhead)	6.50/hr.	
Use of TODB Truck	<u>32.90/hr.</u>	
	\$89.38/hr.	\$22.35 - 1/4hr.

When employee and other associated costs go up, so would the rate.

**Previous Relevant Board Actions for This Item**

**Attachments**

AGENDA ITEM: D-1