



**COMMITTEE OF THE WHOLE MEETING
AGENDA
July 16, 2019
5:30 P.M. – 1201 S. Washington Ave.
Lansing, MI - REO Town Depot
Board of Water & Light Headquarters**

Call to Order

Roll Call

Public Comments on Agenda Items

1. Committee of the Whole Meeting Minutes of May 14, 2019.....**TAB 1**
2. Tree Trimming Update.....**INFO ONLY**
3. Corporate Planning Update/Stakeholder Engagement.....**INFO ONLY**

Other

Adjourn

COMMITTEE OF THE WHOLE
Meeting Minutes
May 14, 2019

The Committee of the Whole of the Lansing Board of Water and Light (BWL) met at the BWL Headquarters-REO Town Depot located at 1201 S. Washington Ave., Lansing, MI, at 6:09 p.m. on Tuesday, May 14, 2019.

Committee of the Whole Chair Sandra Zerkle called the meeting to order at 6:09 pm and asked the Corporate Secretary to call the roll.

Present: Commissioners Sandra Zerkle, Tony Mullen, David Price, Ken Ross, Tracy Thomas and Non-Voting Members: Doug Jester (East Lansing) and Bill Long (Delta Township).

Absent: Commissioners Beth Graham, David Lenz, Anthony McCloud, and Non-Voting Member Dion’trae Hayes (Lansing Charter Township).

The Corporate Secretary declared a quorum.

Public Comments

There were no public comments.

Approval of Minutes

Motion by Commissioner Price, **Seconded** by Commissioner Mullen, to approve the Committee of the Whole Meeting minutes of March 12, 2019.

Action: Motion Carried.

IT Overview

General Manager Peffley introduced CIO Rod Davenport who presented an overview of the IT Department. Mr. Davenport highlighted the four strategies in which IT is most actively involved—Effectively Acquire and Manage Resources, Implementing New Technologies, Workforce, and Financial Stability.





Commissioner Mullen inquired about the third-party penetration testing with the new OMS outage website. Mr. Davenport responded that the testing went well and a few vulnerabilities were addressed before the system went live. Commissioner Mullen asked what protections have been put into place since last year regarding the report of the security system being hooked up to a PC and the system being opened to the public. Mr. Davenport responded that software for network access control can be put into place on devices in addition to the network infrastructure upgrade that is being considered.

Commissioner Long inquired about the cyber security steering committee and the input and expertise of the process. Mr. Davenport responded that the committee helps with organizational change management and provides oversight and guidance for cyber security policies and processes. Mr. Davenport also responded that several BWL staff are certified in cyber security and that BWL has advisory services available. Mr. Davenport reported that drafts of the cyber security policies should be completed by the end of July and comprehension of the policies will be put into effect by the end of December.

Commissioner Jester inquired whether the documentation addressed in the audit remediation was process documentation or configuration items. Mr. Davenport responded that policy process and procedure was the majority of the audit information addressed. Mr. Davenport also responded that a configuration management database (CMDB) is being created.

Commissioner Long asked whether the budget included the elements IT requires to complete the network infrastructure that is planned and Mr. Davenport responded that throughout the forecasted plan leveraging of IT items will result in fulfillment of IT plans.

BSmart Update - Presentation

GM Peffley introduced Enterprise Business Interim Manager, Kellee Christensen, who provided information on the BSmart Program. Ms. Christensen highlighted the Advance Metering Infrastructure

(AMI), Advanced Distribution Management System (ADMS), Geographical Information System (GIS), Customer Information System (CIS), and Enterprise Service Bus (ESB). Ms. Christensen stated that BWL is investing in technology as the infrastructure is aging and there are some compatibility issues.

what is bsmart?

The BSmart Program comprised of five projects to move us to the utility of the future:

- Advanced Metering Infrastructure (AMI)
- Advanced Distribution Management System (ADMS)
- Geographical Information System (GIS)
- Customer Information System (CIS) and
- Enterprise Service Bus (ESB)

These updates will be huge, technological leaps forward for the BWL to better serve our customers, as well as our employees.

Why Invest in these Technologies?

- ▶ Aging infrastructure /systems
 - ▶ Meters
 - ▶ Mainframe
 - ▶ Compatibility
 - ▶ Performance
- ▶ Technology
 - ▶ Getting current
 - ▶ Staying current
- ▶ Utility Trends
 - ▶ Becoming the Utility of the Future
 - ▶ Customers expectations

ESB Enterprise System Bus

ESB transforms and communicates data to and from all integrated BWL systems.

- 01 Integrate with replacement and new systems
- 02 Integrate with existing systems to avoid data duplication
- 03 Integrate with existing systems and manage data consistency and integrity

gis Geographical Information System

Enables BWL to store and analyze geographic data related to all assets for BWL utilities.

- 01 Create precise geospatial data
- 02 Integrate with existing systems to avoid data duplication
- 03 Integrate with existing systems and manage data consistency and integrity

Future GIS Releases

R1	R2	R3	R4
Convert Electric Distribution and Conduits	Charging with EV Confirmation	Web_ArcGIS Online	Design Life Cycle
Covered Water and Other Water Distribution	BWL Portal for Earth	Sharing our maps externally and internally with our partners	Online Integration
Added Storm Distribution	Mobile Field Services	Templates - including mobile forms to map and data from a mobile platform	Consulting
Added Street Lighting and Conductivity			Designing with Esri

Continue integrations with other BSmart Projects

Adms Advanced Distribution Management System

Enables BWL to more efficiently distribute and manage utility to its customers.

- 01 Data will be more informative, relevant and user friendly
- 02 Integration with other systems
- 03 Having enterprise employees use the system for customer interaction

OMS An Outage Management System manages outage events and helps in service restoration. The OMS is required to improve outage management procedures and reduce outage response and working conditions.	Integrating OMS and GIS is required to improve operator efficiency, the outage management process, and the identification of field work as well as reduce data maintenance efforts. The two systems share a distribution system model and with a shared interface, the result is more comprehensive and accurate picture of system conditions.	Integrating SCADA with the OMS/OMS enables the OMS/OMS to use SCADA data to improve operations and provide integrated security analysis. A single system provides streamlined login and authority management.	Integrating SCADA with GIS and OMS enables the use of a single database containing geospatial information and user interface resulting in enhanced dispatch work flow. In this way, dispatchers have not only a single system and there are common operating procedures and protocols.	Integrating all four systems provides a common user interface, data model, infrastructure, and security.
DMS A Distribution Management System is used for monitoring, control, and analysis of the distribution network. The DMS is required to provide improved operator awareness and decision making to better improve safety and protect assets.				
SCADA A Supervisory Control and Data Acquisition system enables real-time monitoring and control of generation and transmission systems.				
EMS An Energy Management System optimizes, coordinates, and controls the generation, grid and transmission assets. The EMS is required to support power flow, increase reliability, and protect assets.				

AMI Advanced Metering Infrastructure

Enables two-way communication between the customer and the BWL.

- 01 Move without outage installation
- 02 Customer ability to control and manage usage
- 03 Integration of energy efficiency programs

Benefits of AMI

Electric Benefits - Gross

- ▶ Meter Reading
- ▶ Meter Visits & Disconnect S/O
- ▶ Meter Accuracy Losses
- ▶ Distribution Network Losses (Theft)
- ▶ Avoided Meter Replacement Costs
- ▶ Billing Department Reading Verifications
- ▶ kWh Reduction Program

Benefits of AMI

Water Benefits - Gross

- ▶ Meter Reading
- ▶ Meter Repair Site Visits Service Orders
- ▶ Meter Accuracy Losses
- ▶ Distribution Network Losses
- ▶ Avoided Meter Replacement Labour Costs
- ▶ Billing Department Reading Verifications
- ▶ CCF Reduction Program

AMI Deployment Progress

Category	Planned Installs	Confirmed Skips
Electric/Water Network	97,718 (89.9%)	445 (0.42%)
Water Only Network	44,806 (85.5%)	71,860 (15.5%)

488 Days with Safety Incidents
476 Project Installation Days

Upcoming project milestones

- ▶ Deployment of assets continues (See dashboard)
- ▶ Water only area network in progress
- ▶ Water installation and retrofit appointment /communication strategy
- ▶ Opt Out Program
- ▶ Customer Portal
- ▶ Network (Service Level Agreements) SLA validation
- ▶ Validation, estimating and editing workshops for Meter Data Management (MDM)
- ▶ Complex billing data for large customers development in MDM
- ▶ Integrations to ADMS/GIS

CIS Customer Information System

Enables two-way communication between customers and the BWL.

- 01 Enhanced customer communication & usability through self service portal
- 02 Integration with other systems and data consistency
- 03 Ability to track customer asset installation

Customer Information System

- ▶ This project will replace the Customer Information and Billing System that is currently on the Mainframe CIS and Field Force Automation software programs
- ▶ We have begun the Discovery Phase of the project with the Vendor
- ▶ It will integrate with GIS, MDM/AMI, Auto Vehicle Locating (AVL) and ADMS/QMS
- ▶ Go live is projected summer of 2021
- ▶ Software and platform
 - ▶ Itineris
 - ▶ Microsoft 365 Dynamics
 - ▶ Microsoft Azure cloud

Commissioner Long inquired if the ESB time frame is on track, specifically going live in 2019. Ms. Christensen responded that the ESB went live in March 2019.

Commissioner Zerkle asked out how the advanced distribution management system helps or impacts the customers and Ms. Christensen responded that from the calls received from customers, the system can predict where the outage is occurring and help with restoration planning.

Commissioner Long inquired whether electric meters are installed at the same time as water meters are installed and Ms. Christensen responded that the electric meters are on a schedule.

Commissioner Zerkle commented that the public relations aspect of providing information on the Smartmeters was very helpful.

Commissioner Jester asked about the ease of customer information system working with third parties and Ms. Christensen responded that with this system public information is easier to distribute.

Rules and Regulations for Electric, Water, Steam and Chilled Water Utility Services Rules

GM Peffley introduced BWL General Counsel Mark Matus who reported on the changes to the Rules and Regulations for Electric, Water, Steam and Chilled Water Utility Services Rules.

FY20 RULES AND REGULATIONS

Summary of Proposed Changes

Subject: Board of Commissioners update of Rules and Regulations for utility services, including fees and charges.

Background: The Rules and Regulations set forth the terms and conditions of utility services, and govern issues such as:

- General Provisions
- Service Conditions
- Use of Service
- Metering
- Application of Rates
- Responsibility for Payment of Bills
- Dispute and Hearing Procedure
- Distribution System Extensions
- Services
- Fees and Charges
- Compliance
- Other individual Utility Issues

BWL staff periodically review the BWL Rules and Regulations to recommend changes designed to promote clarity and consistency, address change in practice or procedure, address new issues, and ensure that fees and charges are adequate to cover actual costs.

Fiscal Year 2020 changes fall into three categories: (1) Changes designed to address grammar, clarity and consistency across utilities, but not to change the meaning, substance or effect of a rule; (2) Substantive changes that may alter the meaning or effect of a rule; and (3) Fee and Charges increases to recover actual costs where they have increased since the last update in FY18.

1. Non-substantive Changes

For clarity: Examples:

- 10.7.A Prior to the installation of any electric distribution system extension, the BWL must be granted on the Customer's Premises, and at no expense to the BWL, recordable easements providing right-of-ways suitable for ingress, egress, installation, and maintenance, including, but not limited to, tree trimming or removal, restoration, replacement, construction, and relocation of the electric distribution system

extension including any street lighting cables and distribution equipment as designed by the BWL for present and future service.

Revision to Rule 5.7, **Rate 5 and 8 Meter Installations**

- Changed heading to “Primary Rate Meter Installations” instead of “Rate 5 and 8 Meter Installations”

2. Substantive Changes

Across Utilities - Electric, Water, Steam and Chilled Water:

- Revision of Rule 1, **Definitions**
 - Added a definition of “Customer Information” as referenced in the new Rule 2.2 regarding Customer information collection and privacy
- Revision of Rule 2, **General Provisions**
 - 2.2 - Added language to address Customer information collection and privacy
- Revision to Rule 6, **Property Owner – Rental Agent Agreement for Automatic Leave-On “ALO” Service**
 - Revision to language to clarify that ALO is a requirement, not recommendation
 - Added language that failure to enroll in ALO may result in application charges and possible service interruptions until enrolled in ALO
- Revision to Rule 9 or 10, **Easements**
 - Added language to that in the event the required easement could not be reasonably granted on the Customer’s premises, the BWL may require the Customer to assist in negotiation of any necessary easements on other private property.
- Revision to Rule 9 or 10, **Non-Standard Equipment**
 - Added language to clarify that when the BWL elects to provide and maintain equipment which differs from its normal specifications, the Customer will have to enter into an agreement and pay the BWL for the purchase, maintenance, and replacement costs of the non-standard equipment.

ELECTRIC:

- Revision of Rule 1, **Definitions**
 - Added definition of “Advanced Meter” due to new use of the term.
 - Added definition of “Advanced Metering Infrastructure (AMI)” due to new use of the term.
 - Added definition of “Alternate Primary Service” to replace “Second Service” for clarification and to be more descriptive.
 - Added definition of “Alternate Primary Source” to replace “Second Source” for clarification and to be more descriptive.
 - Deleted definition of “Second Service”
 - Deleted definition of “Second Source”
- Revision of Rule 3.2.C, **Available Voltage**
 - Changed language to eliminate the availability of new three-wire power service which we no longer wish to offer due to safety concerns. Existing three-wire power services are grandfathered in.
- Revision of Rule 3.2.E, **Available Voltage**
 - Added language to allow Customers who require additional or non-standard equipment the BWL is not willing to install to take primary service voltage instead. The BWL does not want the liability of non- standard equipment that we cannot maintain or replace readily.
- Revision of Rule 3.2.F, **Available Voltage**
 - Added language to clarify the point of delivery.
 - Revised language to remove voltages that no longer exist.
- Revision of Rule 4.5, **Power Factor**
 - Added language to allow the BWL to provide notice and require a Customer to submit a mitigation plan for approval when the Customer’s power factor is less than 85% for 6 or more months of any 12 consecutive billing periods; and the Customer is subject to disconnection if the power factor is not adjusted. This add is to enforce the minimum power factor requirement.
- Revision to Rule 5.3C, **Equipment Location**
 - Added language that when an advanced meter is located indoors and is not communicating, the

Customer will be required to pay for BWL to install equipment to establish signal for two-way communication.

- Revision to Rule 5.4, **Multiple Occupancy Buildings**
 - Added language to require the common meter room of multiple occupancy buildings be located on the ground floor or floor closest to ground level above the flood plain. The BWL does not own or maintain metering equipment for multiple floors such as high-rise buildings.
- Addition of Rule 5.8, **Advanced Meter Opt-Out Program**
 - Added language of eligibility and ineligibility of the Advanced Meter Opt-Out Program
- Revision to Rule 6.3, **Choice of Rates**
 - Added language to give BWL the authority to change a Customer's rate, without the consent of the Customer, when the customer is on a rate they are not eligible to receive. BWL will notify the Customer prior to such change.
- Revision to Rule 6.8A, **Cogeneration and Small Power Production Facility**
 - Added Primary High Load Factor Service – Rate 85 to rate schedule list
- Deletion of Rule 6.9, **Billing Demand**
 - The revision of Rule 6.3 now addresses this point.
- Revision to Rule 10.11, **Customer Provided Facilities**
 - Added language requiring the Customer to provide outside space for any BWL transformers and other oil- filled equipment which must be accessible by BWL personnel and equipment for purposes of installation, operation and maintenance of BWL equipment to be consistent with current practices.
- Revision to Rule 10.21, **Distribution System Extensions for Second Source**
 - Revision to use new defined term of alternate primary source in place of second source.
 - Added language that Customer will be responsible for all operation and maintenance costs. This is a new requirement placed on Customers as currently the BWL is bearing all O&M costs.
 - Added language that an alternate primary source does not guarantee capacity on the circuit and related equipment to be able to carry the load of the Customer at all times because the BWL does not have "reserve" capacity agreements or pricing for such an agreement.
- Revision to former Rule 11.11, now Rule 10.22, **Second Service**
 - Moved to Rule 10 to keep distribution system extensions together.
 - Revised section heading to be Distribution System Extensions for Alternate Primary Service for clarity
 - Revision to state the Customer may request an alternate primary service, because is previously read a Customer could automatically have it which is inaccurate; the BWL must approve.
 - Added language that Customer will be responsible for all operation and maintenance costs. This is a new requirement placed on Customers as currently the BWL is bearing all O&M costs.
- Revision to Rule 11.7A, **Commercial and Industrial Underground Services**
 - Revision to remove secondary attachment on the pole because the BWL does not want customer-owned facilities on BWL structures.
- Revision to Rule 11.7B, **Commercial and Industrial Underground Services**
 - Revision to language to clarify the Customer, not BWL, will install direct buried electric secondary service conductors and be responsible to maintain because this is the customer's side of the meter and this work is delegated to local electricians.
- Deletion to Rule 11.7E, **Commercial and Industrial Underground Services**
 - Removed to eliminate BWL doing work on Customer's secondary service conductors as this work is delegated to local electricians.
- Revision to Rule 11.7F, **Commercial and Industrial Underground Services**
 - Revision to clarify a single secondary service in excess of 2000 Amperes must be installed using a cable bus or bus duct, if approved by the BWL because this is limited by the number of parallel conductors that can be installed.
- Revision to Rule 11.8A, **Multi-Dwelling Structure Services**
 - Revision to remove secondary attachment on the pole because the BWL does not want customer-owned facilities on BWL structures.
- Revision to Rule 11.8B, **Multi-Dwelling Structure Services**
 - Revision to language to clarify the Customer, not BWL, will install direct buried electric secondary service conductors and be responsible to maintain because this is the customer's side of the meter

and this work is delegated to local electricians.

- Revision to Rule 13.2, **Authorized Attachments**
 - Added language that new non-pole owner permit applications are limited to 50 poles per application. This is a BWL requirement due to limited resources.
 - Added language that If the BWL concludes the proposed attachment could jeopardize the physical integrity of its distribution poles, the BWL may require certification of the proposed route by a licensed professional engineer. This is a new requirement BWL is placing on attacher. Attacher is altering pole construction so putting requirement on them to verify attachments do not jeopardize the physical integrity of the pole.
 - Added language that the installation or maintenance of applicant’s equipment on poles owned by a third- party, will require an agreement between the pole owner and the BWL, and a separate agreement between the BWL and the applicant to be consistent with current practices.
- Revision to Rule 13.6, **Payment of Fees**
 - Revision of late fee from 5% to 2% because 2% is what is being used operationally.

WATER:

- Revision of Rule 1, **Definitions**
 - Added definition of “Advanced Metering Infrastructure” due to new use of the term within the rules regarding AMI.
 - Added definition of “Module” due to new use of the term within the rules regarding AMI.
- Addition of Rule 5.7, **Advanced Meter Opt-Out Program**
 - Added language of eligibility and ineligibility of the Advanced Meter Opt-Out Program.
- Revision to Rule 6.3, **Choice of Rates**
 - Added language to give BWL the authority to change a Customer’s rate, without the consent of the Customer, when the customer is on a rate they are not eligible to receive. BWL will notify the Customer prior to such change.
- Revision to Rule 11.2B, **Application for Services**
 - Deleted Dewitt Township as a township requiring their customers to apply with the township. They want their customers to contact BWL directly.

STEAM:

- Revision to Rule 6.3, **Choice of Rates**
 - Added language to give BWL the authority to change a Customer’s rate, without the consent of the Customer, when the customer is on a rate they are not eligible to receive. BWL will notify the Customer prior to such change.

CHILLED WATER:

No substantive revisions

3. Fees and Charges

ELECTRIC FEES and CHARGES				
Charge Description	When Applied	FY18 Charge	Proposed FY20 Charge	
Pole Attachment Fees:				
Permit Application Pre- and Post-Construction Review, along with all Applicable Engineering and Make Ready Construction	Each occurrence	At cost	At cost	
Annual Pole Rental Fee	Annually	\$12 per attachment, \$300 minimum	Per Pole Attachment Rate 41	Directs to applicable Rate
5G Wireless Antenna Rental Fee (On Existing Pole)	Annually	DID NOT EXIST	\$50 per antenna with 10% increase every 5 years	New fees per law
5G Wireless Antenna Rental Fee (New Pole Installation)	Annually	DID NOT EXIST	\$150 per antenna	New fees per law

Failure to Transfer	Each occurrence after the due date via the agreed upon notification system	3 times annual attachment fee per attachment per month	3 times annual attachment fee per attachment per month	
Unauthorized Attachment	Each occurrence 30 days after notification via the agreed upon notification system	3 times annual attachment fee per attachment per month	5 times annual attachment fee per attachment per month	To be consistent with Rate 41
Non-refundable Application Fee	Each occurrence	\$33 per pole, \$495 minimum	\$50 per pole, \$500 minimum	Adjusted to market rate
Map Page Fee	Each Request - Electronic Each Request - Per Map Page in Hard Copy	DID NOT EXIST DID NOT EXIST	\$20 per request \$20 per page	New fee to cover costs New fee to cover costs
Connect (Turn-on/turn-off) Fee	Same-Day Service: By the end of the same calendar day of the ordering being taken. Service orders taken after 3:00 p.m. weekdays will be completed by the end of the day.	\$150	\$165	For consistency with Water
Reconnection Fee Non-Pay or other	Same-Day Service: By the end of the same calendar day of the ordering being taken. Service orders taken after 3:00 p.m. weekdays or during the weekend will be completed by the end of the day.	\$150	\$165	For consistency with Water
Meter Tampering	Each occurrence	\$265	\$275	For consistency with Water
Interference Fee	Each occurrence	\$265	\$275	For consistency with Water
Advanced Meter Opt-Out Fee	One Time - Electric Only - Per Meter One Time - Electric & Water One Time - Electric, Water & Irrigation Monthly - Electric Only - Per Meter Monthly - Electric & Water Monthly - Electric, Water & Irrigation	DID NOT EXIST DID NOT EXIST DID NOT EXIST DID NOT EXIST DID NOT EXIST DID NOT EXIST	\$115 \$190 \$315 \$10 \$25 \$25	Added due to language in Rule 5.8

**WATER
FEES and
CHARGE
S**

Charge Description	When Applied	FY18 Charge	Proposed FY20 Charge	
Water Main Front Footage Recovery	% of the charge for either side of street if not previously collected.			
	On 16"	\$190/ft	\$197 / ft	Adjusted to cover costs of labor, materials and equipment
Water Services (Board Installed) (Connection Fee applicable)	Up to and incl. 1" Water Service			
	Main-to-Curb Box Stub on previously installed water mains	\$2,300 per stub plus restoration cost	\$2,700 per stub plus restoration cost	Adjusted to cover costs of labor, materials and equipment
	Curb Box-to-Building (Trenched)	\$810 minimum, \$18/ft in excess of 45 feet plus restoration cost	\$845 minimum, \$18/ft in excess of 45 feet plus restoration cost	Adjusted to cover costs of labor, materials and equipment
	Curb Box-to-Building (Bored)	\$1,550 Minimum, \$25/ft in excess of 45 feet plus restoration cost	\$1,850 Minimum, \$30/ft in excess of 45 feet plus restoration cost	Adjusted to cover costs of labor, materials and equipment
	Indoor Meter Set ¾" – Standard	\$270	\$290	Adjusted to cover costs of labor, materials and equipment
	Indoor Meter Set ¾" - With Split Irrigation	\$375	\$385	Adjusted to cover costs of labor, materials and equipment
	Domestic or Irrigation Outdoor ¾" Meter Set with Meter pit	\$2,850	\$3,015	Adjusted to cover costs of labor, materials and equipment
	Outdoor ¾" Meter Set with Meter pit – Customer Choice Program (labor only)	\$155	\$180	Adjusted to cover costs of labor, materials and equipment
	Retrofit of existing service to allow for split Domestic or Irrigation Service	\$375	\$385	Adjusted to cover costs of labor, materials and equipment
	Charge for setting meter on a split service after initial installation	\$160	\$180	Adjusted to cover costs of labor, materials and equipment
Service Meter Pit set – Customer Choice Program (labor only)	\$155	\$180	Adjusted to cover costs of labor, materials and equipment	
Service Demolition	When requested by Customer			
	Up to and including 1" Curb Box-to-Meter Pit	\$120	\$130	Adjusted to cover costs of labor, materials and equipment
	Up to and including 1" Curb Box-to-Building	\$235	\$245	Adjusted to cover costs of labor, materials and equipment
Winter Construction Charge	Water Services, 2" and under	\$10 /Trench ft	\$11/Trench ft	Adjusted to cover costs of labor, materials and equipment
Damaged Meter Charge	Upon occurrence			
	For Services Up to 1"	\$250	\$260	Adjusted to cover costs of labor, materials and equipment
	For 1" Services	\$320	\$330	Adjusted to cover costs of labor, materials and equipment
Thawing Service Charge	After a running water order has been issued			
	Up to and incl. 2" and up to 2 hours	\$235	\$245	Adjusted to cover costs of labor, materials and equipment
Domestic Service Inspection Fee (Customer Choice Program)	Each inspection visit for 2" or less diameter services only – no engineering drawings or service evaluation required.	\$165	\$195	Adjusted to cover costs of labor, materials and equipment
Permit Application (Customer Choice Program)	Initial request by contractor seeking qualification	\$400	\$410	Adjusted to cover costs of labor, materials and equipment
BULK WATER PERMIT Temporary Hydrant Usage for construction, festivals and governmental special use by special permit.	1" RPZ backflow device plus	\$850	\$795	Adjusted to cover costs of labor, materials and equipment
	2" RPZ backflow device plus	\$1,490	\$1,385	Adjusted to cover costs of labor, materials and equipment
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Water Theft Penalty Fee	1st Occurrence	\$500	\$500	
	2nd Occurrence	Up to \$1,500	Up to \$1,500	Removed this fee from Bulk Water Permit section and reinserted here so it is applicable in all instances, not just to bulk water permit customers
	3rd Occurrence	Up to \$5,000 and permit revocation	Up to \$5,000 and bulk water permit revocation, if applicable	
Meter Tampering	Each Occurrence	\$265	\$275	Adjusted to cover costs of labor, materials and equipment
Meter Calibration Charge	Customer request meter calibration check is within plus or minus 1.5% of accuracy			
	Up to 2" meters	\$175	\$195	Adjusted to cover costs of labor, materials and equipment

Interference Fee	Each occurrence	\$265	\$275	Adjusted to cover costs of labor, materials and equipment
Advanced Meter Opt-Out Fee	One Time - Water Only -	DID	\$125	Added due to language in Rule 5.7
	Per Meter One Time -	NOT	\$190	
	Electric & Water	EXIST	\$315	
	One Time - Electric, Water	DID	\$20	
	& Irrigation Monthly -	NOT	\$25	
	Water Only - Per Meter	EXIST	\$25	
	Monthly - Electric & Water	DID		
	Monthly - Electric, Water & Irrigation	NOT		
		EXIST		
		DID		
	NOT			
	EXIST			
	DID			
	NOT			
	EXIST			
	DID NOT EXIST			

CHILLED WATER FEES and CHARGES				
Charge Description	When Applied	FY18 Charge	Proposed FY20 Charge	
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Meter Tampering	Any time	\$265	\$275	For consistency with Water
Interference Fee	Any time	\$265	\$275	For consistency with Water
Meter Calibration Charge	When Customer requested meter calibration check is within plus or minus 2% accuracy	\$175	\$195	For consistency with Water

Commissioner Zerkle requested an example of a customer being removed from a billing program and Mr. Matus responded that if a customer is in a flat rate program of equalized payments, the data obtained can be removed to change the program for the customer. Commissioner Long asked about an instance where the customer is no longer eligible for a program and Mr. Matus responded that the system will remove customers from programs for which they are no longer eligible based on data the system obtains. Commissioner Mullen asked why BWL has rules and regulations when there are laws that are applicable and Mr. Matus responded that BWL has policies and procedures in place to conduct BWL operations. Commissioner Long asked about the alternate service and BWL guaranteeing or not that BWL is able to supply power. Mr. Matus responded that BWL guarantees power if BWL provides the alternate service but not if the customer installs the alternate service. GM Peffley responded that capacity cannot be just provided to every business that requests alternate service but an appropriate rate needs to be set.

Commissioner Long asked about the fees for customers that wanted to attach to poles and Mr. Matus responded that there are two types of customers, customers that want to attach an antenna and customers that want to put up lines, and contracts are made with these customers.

Commissioner Zerkle inquired about the opt out system. GM Peffley responded that the opt out system is a service and the customer can have an electric meter rather than a Smartmeter but the customer

will pay the cost for the meter reader. Commissioner Zerkle also asked about the same day re-instatement of service if payment is made by 3:00 pm. Executive Director of Customer Operations and Communications, Steve Serkaian, responded that requests are to be made by 3:00 pm to eliminate overnight service turn-around.

Motion by Commissioner Price, Seconded by Commissioner Thomas to forward the proposed Resolution for Rules and Regulations for Electric, Water, Steam and Chilled Water Utility Services Rules with an amended effective date of July 1, 2019 to the full Board for consideration.

Action: Motion Carried

BWL Planning Process

GM Peffley introduced Executive Director of Strategic Planning and Development, Brandie Ekren, who presented BWL’s long-term and strategic goals planning process.

Commissioner Long inquired whether there was a standard education process and what the plans were for communities outside of Lansing. Ms. Ekren responded that there is a standard questionnaire that educates on the integrated resource process and that there are plans to meet with mayors and other people in the community. A sustainability program has also been requested from the communities.

Commissioner Ken Ross left the meeting at 7:00 p.m. (No Quorum at this point)

New Plant Update

GM Peffley gave an update on the new plant. There will be a groundbreaking celebration on Monday, June 3, 2019. Equipment has been procured at favorable costs and BWL is acquiring labor. BWL is working on a GMP, the guaranteed maximum price for the plant and in July 2019, a 60% GMP will be obtained and in January 2020 a 90% GMP will be obtained. Value engineering is being completed and a design is being worked on with Black & Veatch. A gas line is coming in from Consumers Energy and

the first stage of the gas line will be online soon so that operations can be completed April 2021. The peaker unit will be brought on by December 2020 to cover the gap of the Eckert plan going offline in December 2020.

Amending Appointment to Michigan Public Power Agency (MPPA) Resolution

General Manager Peffley stated that the presented Resolution is naming Dave Bolan as the BWL's MPPA Commissioner to replace Robert LaLonde who resigned his position with the BWL effective April 19, 2019 and asked that the Resolution be forwarded to the full Board for consideration.

Board Chair Price stated this resolution will be brought forward at the upcoming Board meeting.

Other

Board Chair Price acknowledged the absences of Commissioner Hayes and Commissioner McCloud as there was not a quorum for an official motion of excused absence.

Adjourn

Motion by Commissioner Price to adjourn the meeting. The meeting was adjourned at 7:58 p.m.

Respectfully Submitted
Sandra Zerkle, Chair
Committee of the Whole