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S AVING WATER TOGETHER

ANNUAL REPORT 2015 Metropolitan Waterworks Authority

ANNUAL REPORT 2015

Metropolitan Waterworks Authority

Water

is considered the most significant resource for human, plants, and animals. It is, however, the least regarded resource among others although it serves as one of the key elements for living. Currently, quality water resources are likely to be limited. Therefore, the problem of water shortage has become more important environmental issue. It's time for us to be aware of this matter seriously and work together to conserve water sources to create the sustainable water supply for the world.



⁶⁶Save Water Save Life⁹⁹

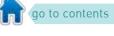
Like our body which water is the major physical part, water covers approximately 70% of our planet. This reflects that water runs in the natural cycle to generate what essentials for all lives on this earth, as the general statement says "water is where life begins".

The course of water sources begins from abundant forests. When water is rich, the ground is good for growing, bringing about flourishing vegetation which will be the source of food for all lives on earth. With the growing population as well as the change in people's living behaviors nowadays, the demand of water consumption is increasing, despite the stable pattern of natural water resources. As a result, the forests are becoming in worse conditions while the arid areas are expanding, leading to the lower supply of clean and safety water. It is impossible to identify when drinkable and consumable water will be reducing to the critical level. When that moment comes, how severe the impacts of it will be on our world and the living things?

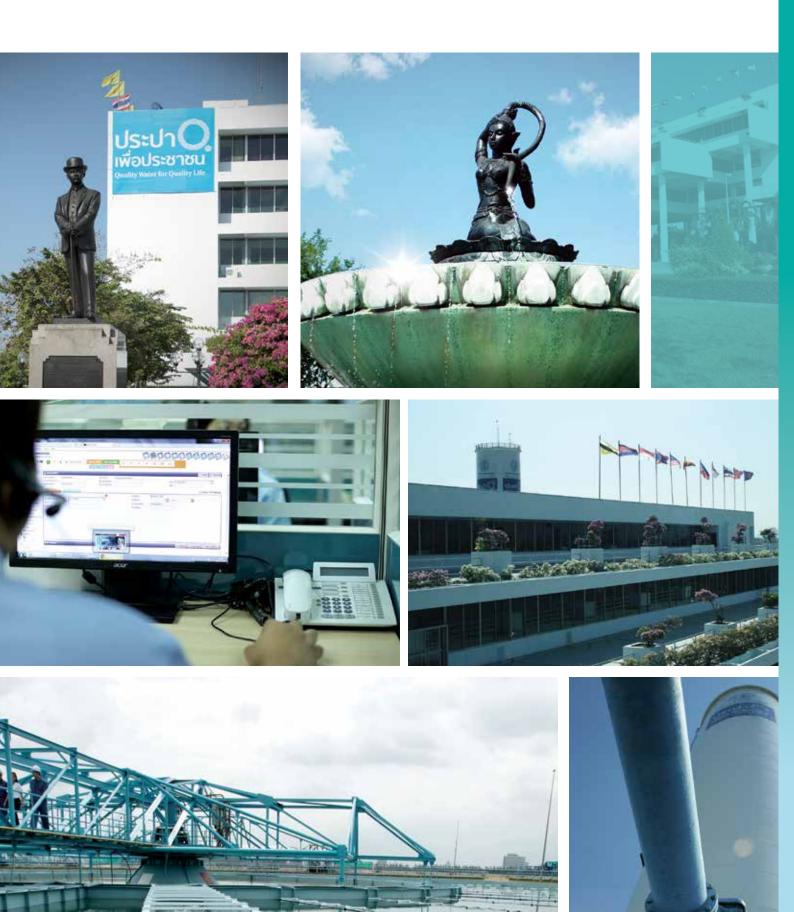
Don't wait for the day we live in water shortage. Because when the day comes, nothing can help us cope with it, not even substantial money or super advanced technology. Start today! Let's work together to cultivate value of making the most use of every drop of water, to promote the importance of water resources, and ultimately to conserve water sources.

TOGETHER









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The Metropolitan Waterworks Authority (MWA) is a state enterprise under the Ministry of Interior. It started its operation on 16 August 1967 under the Metropolitan Waterworks Authority Act B.E. 2510 (AD 1967) with an obligation to provide raw water sources for waterworks activities, including producing, distributing and selling treated water in Bangkok, Nonthaburi and Samutprakarn, and running other businesses related or beneficial to the waterworks.

Vision

To be the leading ASEAN water supply provider toward excellence in corporate governance and social responsibilities

Mission

To provide securing quality water supply and service coverage by latest technology and professional workforce

Willingness

Achievement

Excellent service

Respect to transparency

Team

Values

for customer satisfaction and confidence

The Government's Statement of Direction for State Enterprises is comprised

of 3 levels

Overall Policy for State Enterprises

To be a mechanism which drives economic strategy and society of the nation based on effective operation in accordance with good governance principles.

Policy for State Enterprises in Public Utilities Sector

To satisfy basic needs, promote improvement of citizens' quality of life and develop immovable property for the best benefits.

Policy for MWA

To improve and expand waterworks system network for quality and adequacy in order to accommodate urbanization, and to develop related business to add value to the organization.

To raise awareness and understanding of conserving the national environment among all sectors.

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Message from the Chairman

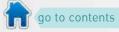
During the past 2015, the Metropolitan Waterworks Authority (MWA) had experienced numerous crises and challenges, especially the water shortages across the country, seawater intrusion, and the drought. The impact largely affected the living of the people. Among these limitations, the MWA, as a public service organization responsible for providing people with water supply, had potential to stand on its own and stably continued the waterworks operation with good corporate governance. The MWA has responded to the strategic management in terms of taking stakeholders of all sectors into consideration in order to create the organization's sustainability along with upholding corporate transparency policy and the value of anticorruption of any kinds. We also take an account of the management towards excellence enhancement by upholding the customer-centered principle as in our aim "Quality Water for Quality Life", considering the long-term sustainability of both revenue and organizational structure, developing stable water production and distribution system to bring satisfaction to all stakeholders. Furthermore, the MWA has maintained the waterworks quality to meet the international standards. This is another way to promote hygiene in public health which is consistent with the Vision of Thailand 2015-2020: "Stability, Prosperity, Sustainability", according to governmental policies.

From the set guidelines and policies, the organizational operations had become concretely successful such as creating innovations on the waterworks along with raising awareness and understanding of all sectors towards the environmental responsibility and, importantly, being capable of raw water management to increase the stability in providing water supply for public in response to the urban area expansion, and the well-being of people in the future. In addition, MWA has commitment to human resources development to strengthen the organization and to prepare for the entry of the ASEAN Economic Community as well as international competitions.

The MWA board of directors, executives, and employees would like to make a commitment to keep operating the authority professionally with transparency and take the interests of stakeholders into the highest account in accordance with good governance and social responsibility along with driving the country to stable and sustainable growth.

(Mr. Chareon Passara) Chairman, MWA Board of Directors

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To promote the importance of the value of water resources to encourage citizens to save water.

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Message from the Governor

2015 was the year the MWA has been operating for 48 years-accountable for an honored organization which has the most complete knowledge regarding waterworks operation. During the long years, the operation has been concentrated on balancing every group of the stakeholders according to the good corporate governance, which aims to raise the awareness of social and environmental responsibility, and ready-to-investigate disclosures.

For the operation in 2015, despite management challenges regarding production volume and quality of water supply caused by the unusually early and long-standing drought, the MWA had managed to balance every group of the stakeholders. This can be seen from the cooperation and compliance with the government policy in managing the limited amount of water in the dams and allocating to each sector to exploit properly, communicating with customers, both the residential and business sections, for better understanding regarding the current situation, and promoting campaign to raise the public awareness of the value of water resources in order to use water sparingly. Moreover, with the dedication, devotion, and knowledge of the Board of Directors, executives, officers, and staff members of the MWA, combined with the cooperation and support from both governmental and private sectors, the crisis was well-overcome and the overall result was achieved as targeted. However, to build public confidence in the stability of sustainable water supply, the MWA has executed several plans for the water management, such as finding new raw water sources and water reserves, adding clear water reservoirs at the pumping stations, etc. These are the preparation for drought crisis, or the shortage of quality raw water that may occur in the future.

In addition to its commitment in water management to produce quality water supply and sufficient quantity to meet the needs of water users, the MWA is also committed to continuously improve public services and organize social responsibility activities. The main project is "The Improvement of Customer Relationship Management Project" which applied leading technology in management and improved customer service systematically. This project won the Thailand ICT Excellence Awards 2015 in the Business Enabler Projects category from Thailand Management Association (TMA). "The Project of Service Expansion to Cover Urban Area (MWA ONE for All)" was the cooperation between Bangkok Metropolitan Administration, Provincial Administrative Organization and District Administrative Office of Samut Prakan and Nonthaburi to provide plumbing to the small population community without water supply system. This resulted in the citizens' equal access to clean water consumption, improvement of the quality of life, and reduction in social inequality. The project won the second place in Mexico Water Prize 2015 in the 7th World Water Forum in Daegu, the Republic of Korea. Another project was "The MWA Plumbers for People Project - 2PS". The aim was to train interested people who participated in the project, which has already had been 14 batches. The participants had learned technical knowledge and basic maintenance which could be beneficial in pursuing a career and increasing income. The participants also joined MWA voluntary events to repair and improve the water supply system in schools, temples, and communities. This project was awarded the Asia Responsible Entrepreneurship Award 2015 from Enterprise Asia in Investment in People Award. The award presentation took place in Macau Special Administrative Region of the People's Republic of China. It was also awarded the State-OWNED Enterprise (SOE) Awards 2015 for Excellence in CSR from the Ministry of Finance.

From the past operations, MWA has had good management, resulting in better performance in many operational areas and honored awards from both domestic and international institutes. This will be the great impetus for us to develop, to move forward with the world as our vision stated, **"To be the leading ASEAN water supply provider toward excellence in corporate governance and social responsibilities"**.

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(Mr. Thanasak Watanathana) MWA Governor



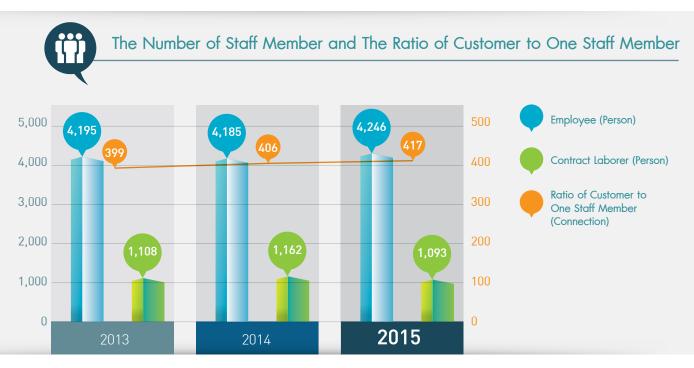
Organization Structure

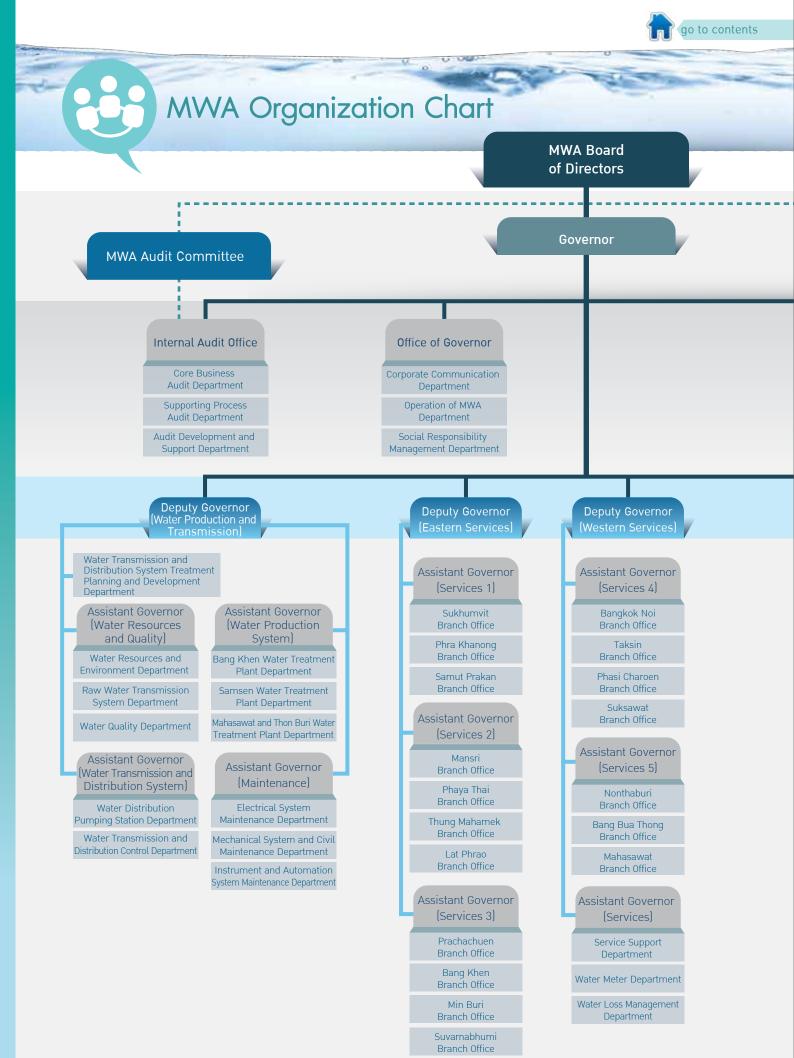
Workforce Structure

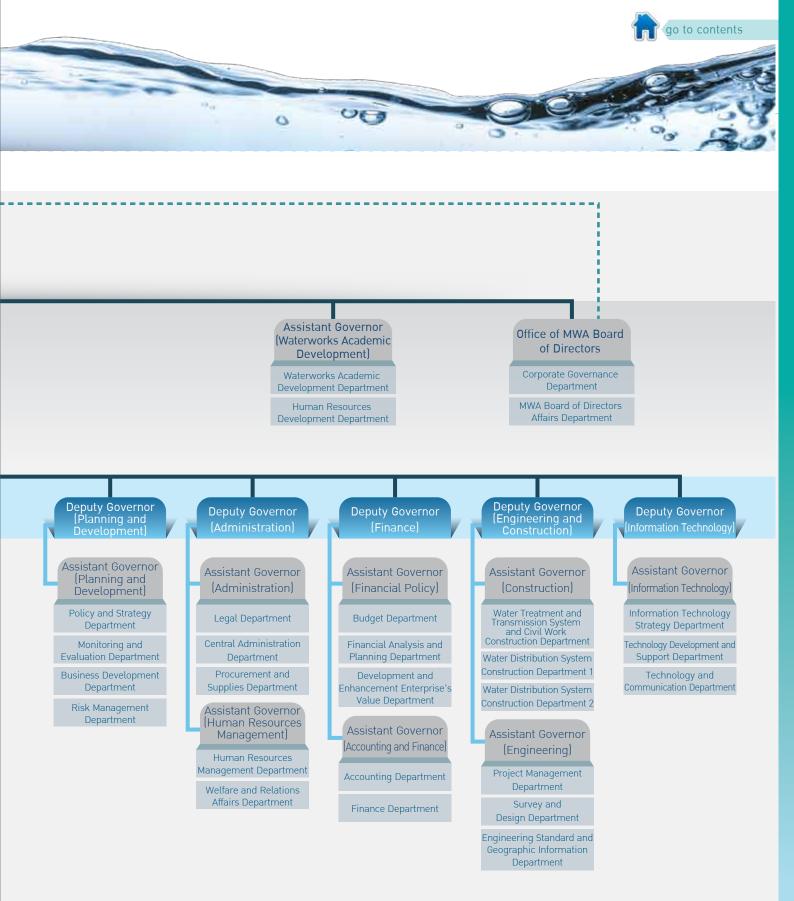
As of 30 September 2015, the Metropolitan Waterworks Authority has employed 5,339 staff members, of which 4,246 are employees and 1,093 are contract laborers. The total staff expenditure was 2,636.34 million baht, of which 2,452.77 million baht was employee expenditure and 183.57 million baht was contract laborer expenditure.

	Workforce (Person)			Expenditure (Million Baht)		
Line	Employee	Contract Laborer	Total Staff	Employee	Contract Laborer	Total Expenditure
Governor	295	72	367	176.57	12.61	189.18
Deputy Governor (Administration)	274	78	352	175.51	13.20	188.71
Deputy Governor (Finance)	160	16	176	105.80	2.79	108.59
Deputy Governor (Eastern Services)	1,202	316	1,518	627.11	51.89	679.00
Deputy Governor (Western Services)	979	233	1,212	546.36	38.39	584.75
Deputy Governor (Engineering and Construction)	332	52	384	178.22	8.97	187.19
Deputy Governor (Water Production and Transmission)	784	298	1,082	495.00	51.04	546.04
Deputy Governor (Planning and Development)	94	17	111	65.77	2.79	68.56
Deputy Governor (Information Technology)	126	11	137	82.43	1.89	84.32
Total	4,246	1,093	5,339	2,452.77	183.57	2,636.34

The number of staff members at the end of 2015 decreased from that of 2014 by 8 persons and the ratio of customer to staff member was 417:1.









Board of Directors





01 Mr. Chareon Passara Chairman and Independent Director

02 Vice Admiral Nadaecho Kerdchoochuen Independent Director

03 General Veerun Chantasatkosol Independent Director

04 Associate Professor Suwatana Chittaladakorn, Ph.D. Independent Director **05 Mr. Bowon Vongsinudom** Independent Director

06 Mr. Vudhibhongse Vibulyawongse Independent Director





07 Assistant Professor Teekawuth Potapirom Independent Director

08 Mr. Vullop Phringphong Independent Director 09 Mr. Somsak Suwansujarit Director

10 Associate Professor Chanin Tinnachote, Ph.D. Independent Director **11 Mr. Nattakit Tangpoonsinthana** Independent Director

12 Mr. Thanasak Watanathana Director and MWA Governor





BOARD OF DIRECTORS



(as of 31 December 2015)

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Mr. Chareon Passara

Chairman and Independent Directo Age 62

Education / Training

- Bachelor of Engineering (Civil Engineering), Khon Kaen University
- Master of Public Administration (Urban Development Administration), National Institute of Development Administration (NIDA)
- Certificate of Naval War College Course (Class 39),
 Institute of Advance Naval Studies
- Certificate of The Joint State-Private Course, National Defence College of Thailand (Class 20)
- Director Certification Program (Class 138), Thai Institute of Directors
 Association

Work Experience

- Branch Office Manager (Taksin)
- Regional Director 1
- Assistant Governor (Water Transmission and Distribution System)
- Deputy Governor (Administration)
- MWA Governor
- Executive Committee of MWA's Labour Union
- Secretary of Special Unit to Resolve the Water Shortage Crisis
- Impact of Air Pollution from Cremating Incinerators Study Subcommittee, Natural Resources and Environment Committee, The House of Representatives
- Advisor to the North-eastern region Drought Solution Monitoring Extraordinary Subcommittee, Natural Resources and Environment Committee, The House of Representatives

Present Positions

- Chairman and Independent Director of MWA Board of Directors
- Advisor to Thai Waterwork Association
- Subcommittee to Systematize the Administration of Central Government, Provincial Government and State Enterprises in Ministry of Interior, Committee on Administration of State Affairs, the National Legislative Assembly

Vice Admiral Nadaecho Kerdchoochuen Independent Director

Age 62

Education / Training

- Bachelor of Science, Royal Thai Naval Academy
- Civil Affairs School, Directorate of Civil Affairs
- Command and General Staff College
- Naval War College
- Certificate of Director Certification Program (DCP 209), Thai Institute of Directors

Work Experience

- Assistant Chief of Staff Sub-Division Deputy Chief of Defence Forces
- Counselor Working Group to the Prime Minister
- Naval Senior Advisor to Royal Thai Marine Corps

Present Positions

- Independent Director of MWA Board of Directors
- Early Retired Officer, Office of the Permanent Secretary for Defence

Associate Professor Suwatana Chittaladakorn, Ph.D. Independent Director

Education / Training

- Bachelor of Engineering (Irrigation Engineering), Kasetsart University
- Master of Engineering (Irrigation Engineering), Kasetsart University
- Doctor of philosophy (Irrigation Engineering), Utah State University, USA
- Good Governance for State Enterprise / Public Organization Directors
 & Executives Program (Class 13), King Prajadhipok's Institute

Work Experience

- Vice-chairman of the Sub-committee for Water Resources Management Reform, National Reform Council (NRC)
- Advisory Committee for Water Resources Management Policy Setting, Economic Department, National Council for Peace and Order (NCPO)
- Advisory and Chairman of the Sub-committee for Water Resources Engineering, the Engineering Institute of Thailand under H.M. the King's Patronage (EIT)
- Advisory and member of the Civil Engineering Committee, the Engineering Institute of Thailand under H.M. the King's Patronage (EIT)
- Member of the Expert Committee for Consideration of the Environmental Impact Assessment Analysis-Report for Government and Public-private Partnership Transportation Projects, Nation Environmental Board
- Department Head, and the Chairman of Steering Committee for the Special Graduate Program, Department of Water Resources Engineering, Faculty of Engineering, Kasetsart University

Present Positions

- Independent Director of MWA Board of Directors
- Special Expert in Department of Water Resources Engineering, Faculty of Engineering, Kasetsart University

General Veerun Chantasatkosol Independent Director

Education / Training

- Bachelor of Science, Chulachomklao Royal Military Academy
- Master of Arts (Social Development) , National Institute of Development Administration (NIDA)

Work Experience

- Military Specialist of Supreme Command Headquarter
- Army Expert
- Army Secretary
- Chief of Staff of Army Air Defense Command
- Deputy Commanding General of Army Air Defense Command
- Commanding General of Army Air Defense Command
- Senior Army Advisor

Present Positions

- · Independent Director of MWA Board of Directors
- Chairman of the Advisory Board
- Member of National Legislative Assembly

Mr. Bowon Vongsinudom

Independent Director Age 61

Education / Training

- Bachelor of Engineering (Chemical Engineering), Chulalongkorn University
- Master of Engineering (Chemical Engineering), Chulalongkorn University
- Master of Business Administration (Management), Sasin Graduate
 Institute of Business Administration of Chulalongkorn University
- Director Accreditation Program (DAP) 76/2008, Thai Institute of Directors
- Director Certification Program (DCP 209), Thai Institute of Directors
 Association
- Certificate of The Joint State-Private Course (Class 17), National Defence College of Thailand

Work Experience

- President and Chief Executive Officer, PTT Aromatics and Refining Public Company Limited Subsidized by PTT Public Company Limited
- President and Chief Executive Officer, PTT Global Chemical Public Company Limited Subsidized by PTT Public Company Limited
- President, PTT Phenol Public Company Limited Subsidized by PTT Public Company Limited
- Director, Thai Listed Companies Association
- Executive Vice President in Division of Chief Operations Officer,
 Downstream Petroleum Business Group, PTT Public Company Limited

Present Positions

- Independent Director of MWA Board of Directors
- President of Water Institute for Sustainability, The Federation of Thai Industries

Assistant Professor Teekawuth Potapirom

Age 61

Education / Training

- Bachelor of Engineering (Civil Engineering), Kasetsart University
- Master of Science (Ocean and Fisheries Engineering), Kagawa University, Japan
- Good Governance for State Enterprise / Public Organization Directors & Executives Program (Class 13), King Prajadhipok's Institute

Work Experience

- Lecturer in Department of Fishery management, Faculty of Fisheries, Kasetsart University
- Assistant Professor in Department of Water Resources Engineering, Faculty of Engineering, Kasetsart University
- Advisor to Deputy Minister of Transport
- Committee of Experts to report an analysis of the environmental impacts of transportation projects with public sector or private
- Advisor to Committee in Water Resource Engineering, The Engineering Institute of Thailand Under H.M. King's Patronage
- Chairman, Master of Water Resources Engineering Special Program, Faculty of Engineering, Kasetsart University

Present Positions

Independent Director of MWA Board of Directors

- · Working Committee of Problem Solution at Maesui Dam, Chiang Rai
- Advisor to Committee in Water Resource Engineering, The Engineering Institute of Thailand Under H.M. King's Patronage

Mr. Vudhibhongse Vibulyawongse

dependent Dire

Education / Training

- Bachelor of Laws, Thammasat University
- Thai Barrister at Law, Institute of Education of the Thai Bar Association
- Master of Public Administration, National Institute of Development Administration (NIDA)
- Advanced Certificate Course in Politics and Governance in Democratic Systems for Executives, King Prajadhipok's Institute (Class 14)
- Governance for Executive Directors of State Enterprises and Departmental Corporations, Public Director Institute
- The Rule of Law and Democracy, College Constitution
- Good Governance for State Enterprise and Public Organization Directors
 & Executives Program (Class 8), Public Director Institute

Work Experience

- Director General, Department of Appellate Litigation Region 5
- Director General, Office of Attorney General Region 5
- Director General, Department of the Attorney General Commission
- Inspector General, Office of the Attorney General
- Deputy Attorney General, Office of the Attorney General
- Independent Director of Small and Medium Enterprise Development Bank
 of Thailand
- Independent Director of Government Savings Bank

Present Positions

- Senior Prosecutor, Office of the Attorney General
- Independent Director of MWA Board of Directors
- Independent Director of EXAT Board of Directors
- · Committee of the Thai Bar under the Royal Patronage
- Subcommittee on Broadcasting Content Regulation, National Broadcasting and Telecommunication Commission

Mr. Nattakit Tangpoonsinthana Independent Director

Age 51

Education / Training

- Bachelor of Communication Arts (Mass Communication), Chulalongkorn University
- Master of Arts (Communication), University of North Texas, USA
- Master of Business Administration, University of North Texas, USA
- Doctor of Mass Communication (Television Administration), Chulalongkorn University
- Certificate of Director Certification Program (DCP 209), Thai Institute of Directors

Work Experience

- Account Director, Lintas Worldwide Advertising Company Limited (Thailand)
- Associate Director, Flagship Company Limited
- Marketing Director in Marketing and Sales Division, Wangthong Group Public Company Limited
- Associate Director in Marketing and Sales Division, Samart Corporation Public Company Limited
- Lecturer in Department of Mass Communication, Faculty of Communication Arts, Chulalongkorn University
- Chief Marketing Officer, Thai Samsung Electronics Company Limited
- Advisor in Public Relations to Ministry of Commerce and Ministry of Labour
- Advisor to Minister of Science and Technology
- · Advisor to Deputy Minister of Agriculture and Co-Operatives

Present Positions

- Independent Director of MWA Board of Directors
- Executive Vice President in Marketing Line, Central Pattana Public Company Limited

 ${f Q}$ Metropolitan Waterworks Authority "Saving Water Together"

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Mr. Vullop Phringphong

Independent Director

Age 61

Education / Training

- · Bachelor of Arts (Political Sciences), University of Delhi, India
- Master of Arts (Political Science), Bowling Green State University, USA
 Chief District Officers Program (Class 31), Institute of Administration
- Development, Department of Provincial AdministrationHigh Level Senior Administration Program (Class 32), Institute of
- Administration Development, Department of Provincial Administration • National Defence College of Thailand (Class 49)
- National Defence College of malance
 Capital Market Academy (Class 14)
- Certificate of Director Certification Program (DCP 170), Thai Institute of Directors

Work Experience

- Chief District Officer of Rayong Province
- Director of Local Finance Bureau, Department of Local Administration
- Governor of Samut Sakhon Province
- Governor of Phrae Province
- Deputy Director-General, Department of Local Administration
- Director-General, Department of Local Administration
- Member of the National Reform Council
- Director, Provincial Electricity Authority
- Deputy Permanent Secretary, Ministry of Interior
- Director, as the representative from Ministry of Interior, Sports Authority of Thailand
- The Representative of Thai Government to the ASEAN Ministerial Meeting on Rural Development and Poverty Eradication (AMMRDPE) at Bandar Seri Begawan, Brunei Darussalam
- The Representative of Thai Government to the Ministerial Meeting on Poverty Alleviation under Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC) at Kathmandu, Nepal
- The Representative of Thai Government to the Loan Negotiation with World Bank according to the Urban Development at Washington, D.C., USA

Present Positions

- Independent Director of MWA Board of Directors
- Member of National Reform Steering Assembly
- Senior Advisor to the National Land Policy Committee
- Select Committee in Civil Service Commission about Human Resources System Development
- Negotiating Committee of Agreement & Evaluation on Government Sector in Ministerial Level (Ministry of Interior), Committee of Public Sector Development Commission

Associate Professor Chanin Tinnachote, Ph.D. Independent Director

Education / Training

- Bachelor of Engineering (Survey Engineering), Chulalongkorn University
- Master of Science (Integrated Map and Geo-Information Production), International Institute for Aerospace Survey and Earth Sciences (ITC), The Netherlands
- Doctor of Engineering (Remote Sensing and Geographic), Asian Institute of Technology
- Certificate of Director Certification Program (DCP 201), Thai Institute of Directors
- Certificate of Advanced Audit Committee Program (AACP 18), Thai Institute of Directors
- Good Governance for State Enterprise / Public Organization Directors
 & Executives Program (Class 13), King Prajadhipok's Institute

Work Experience

• Director, Surveying and Mapping Society of Thailand

Present Positions

- Independent Director of MWA Board of Directors
- Director, Geo-Informatics and Space Technology Development Agency (Public Organization)
- Director, Eastern Water Resources Development and Management
 Public Company Limited
- Associate Professor in Survey Engineering, Faculty of Engineer, Chulalongkorn University

Mr. Somsak Suwansujarit

Direct

Education / Training

- Bachelor of Arts (Political Science), Chiang Mai University
- Master of Public Administration (M.P.A), National Institute of Development Administration
- Master of Arts (Political Science), Thammasat University
- Advanced Certificate Course in Public Administration and Law for Executives, King Prajadhipok's Institute
- Certificate of The Joint State-Private Course, National Defence College of Thailand (Class 48)

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 Certificate of Administration and Administrator Development, Graduate Research Institute of Policy Studies, Japan

Work Experience

- · Chief District Officers of Waeng Noi District, Khon Kaen Province
- Chief District Officers of Long District, Phrae Province
- Chief District Officers of Chaing Kham District, Phayao Province
- Chief District Officers of Tapan Hin District, Phichit Province
- Director, Technical Service and Planning Division, Department of
 Provincial Administration
- Director, Provincial Administration Bureau, Department of Provincial Administration
- Vice Governor of Nakhon Ratchasima Province
- Deputy Permanent Secretary, Department of Disaster Prevention and Mitigation
- Vice Governor of Phayao Province
- Governor of Nan Province
- Governor of Nong Bua Lam Phu Province
- Deputy Director General, Department of Provincial Administration
- Governor of Si Sa Ket Province
- Governor of Kalasin Province
- Governor of Khon Kaen Province
- · Chief of Inspector for Interior, Office of the Inspector for Interior

Present Positions

- Director of MWA Board of Directors
- Governor of Rayong Province

Mr. Thanasak Watanathana

Director and MWA Governor

Age 58

Education / Training

- Bachelor of Engineering (Sanitary), Chulalongkorn University
- Certificate of Royal Thai Army War College Course (Class 52)
- Successful Formulation & Execution of Strategy (SFE), Thai Institute of Directors (IOD)
- · HR & OS (Thammasat Business School), Thammasat University
- Certificate of High Level Security, Thailand National Defence College Association
- Certificate of High Level Police Management, Police College (Class 35)
- Certificate of Director Certification Program (DCP 170), Thai Institute of Directors
- All Top Executive Courses provided by Metropolitan Waterworks Authority

Work Experience

- MWA Branch Office Manager (Sukhumvit Branch)
- MWA Branch Office Manager (Samutprakan Branch)
- Assistant Governor (Planning and Development)
- MWA Expert Level 10
- Deputy Governor (Services)
- Chairman of Thai Waterwork Association

Present Positions

- MWA Governor
- Director of MWA Board of Directors



Executives



Mr. Thanasak Watanathana

Governor

Education

- Bachelor of Engineering (Sanitary Engineering), Chulalongkorn University
- Advanced Security Management Program (ASMP Class 3), The Association National Defence College of Thailand under the Royal Patronage of H.M. the King
- Director Certification Program (DCP Class 170), Thai Institute of Directors (IOD)

Work Experience

- Assistant Governor (Planning and Development)
- MWA Expert Level 10
- Deputy Governor (Services)



Mr. Somsak Poothongchairit

Deputy Governor (Planning and Development)

Education

- Bachelor of Science (Medical Sciences), Mahidol University
- Doctor of Medicine, Mahidol University
- Master of Public and Private Management, The National Institute of Development Administration

Work Experience

- Assistant Governor (Human Resources)
- Deputy Governor (Information Technology)





Mr. Somsit Wannapiroon

Deputy Governor (Administration)

Education

- Bachelor of Science (Mechanical Engineering), Institute of Technology and Vocational Education College
- Executive Development, Chulalongkorn Business School, Chulalongkorn University

Work Experience

- Deputy Governor (Services)
- Deputy Governor (Western Services)



Mr. Vorasak Chatkaew Deputy Governor (Engineering and Construction)

Education

- Bachelor of Science (Industrial Engineering), Adamson University, The Philippines
- Master of Science (Industrial Hygiene and Safety), Mahidol University

Work Experience

- Assistant Governor (Services 2)
- MWA Expert Level 10



Mr. Wiwatchai Ratanarat

Deputy Governor (Western Services)

Education

- Bachelor of Engineering (Civil Engineering), Kasetsart University
- Crisis Communication in Government, Public Administration International, UK

Work Experience

- Assistant Governor (Office of Governor)
- MWA Expert Level 10



Mrs. Vachree Prasatkretkran

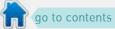
Deputy Governor (Eastern Services)

Education

- Bachelor of Accountancy (Accounting), College of Commerce
- Naval War College Course, Institute of Advanced Naval Studies

Work Experience

- Assistant Governor (Services 1)
- Assistant Governor (Services 4)





Miss Saovaluk Sopapatanakul

Deputy Governor (Finance)

Education

- Bachelor of Accountancy, Chulalongkorn University
- Master of Accounting, Thammasat University

Work Experience

- Director of Budget Department
- Assistant Governor (Financial Policy)



Mr. Bunchonchai Chanbusarakham Deputy Governor (Information Technology)

Education

- Bachelor of Engineering (Electrical Engineering), King Mongkut's Institute of Technology Ladkrabang
- Public Economics Management for Executives, King Prajadhipok's Institute

Work Experience

- Assistant Governor (Water Production System)
- Assistant Governor (Water Resources and Quality)



Mr. Narongrit Srisatidnarakul

Deputy Governor (Water Production and Transmission)

Education

- Bachelor of Science (Electrical Engineering), Prince of Songkla University
- Water Supply Administration for Better Management of Water Supply Services, Japan International Cooperation Agency (JICA)

Work Experience

- Assistant Governor (Water Transmission and Distribution System)
- Assistant Governor (Water Production System)



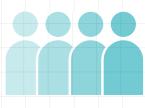
Miss Thanyaphorn Tantikul MWA Expert Level 10

Education

- Bachelor of Accountancy (Accounting), College of Commerce
- Executive Development Program (Mini MBA), Thammasat University

Work Experience

- Director of Service Support Department
- Assistant Governor (Accounting & Finance)





Executives



02 Mrs. Lawan Chatrungchewan

Assistant Governor (Office of MWA Board of Directors)

03 Miss Tassanee Lerksantivong Assistant Governor (Office of Governor)

04 Mrs. Phusadee Khomthong

Assistant Governor (Waterworks Academic Development)

05 Mr. Chalit Kaewsai Assistant Governor (Administration)

06 Miss Chawewan Uthaipibool

Assistant Governor (Human Resource Management)







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01 Mrs. Aphorn Phusap Assistant Governor (Financial Policy)

02 Mrs. Phannarat Panchua Assistant Governor (Accounting and Finance)

03 Miss Suttiluk Yodpayung

Assistant Governor (Services 1)

04 Mr. Kavee Areekul Assistant Governor (Services 2)

05 Miss Suree S.Srisuwan Assistant Governor (Services 3)

06 Miss Supannee Karunkittikun Assistant Governor (Services 4)









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01 Mr. Somboon Sunanthapongsak Assistant Governor (Services 5)

02 Mr. Viroj Roongpoovapatr

Assistant Governor (Services)

03 Mr. Prinya Yamasamit Assistant Governor (Construction)

04 Mr. Nachapong Sirasakorn Assistant Governor (Engineering)

05 Mr. Jumroen Tantiwongwat Assistant Governor (Water Production System)

06 Mr.Thamrong Buranatrakul Assistant Governor

(Water Transmission and Distribution System)

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05

01 Mr. Chaiwat Vorapeboonpong

Assistant Governor (Water Resources and Quality)

02 Mr. Kongkiat Charoenboonwan

Assistant Governor (Plant Maintenance)

03 Mr. Terdsak Yiemchavee Assistant Governor (Planning and Development)

04 Miss Pajaree Salimee Assistant Governor (Information Technology)

05 Mrs. Kanjana Tuangchaitanakorn MWA Expert Level 9

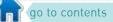
06 Miss Kamolchanok Warintaravack MWA Expert Level 9





















01 Mrs. Nisa Lomthong MWA Expert Level 9

02 Mrs. Wilairat Jitpinittum MWA Expert Level 9

03 Mr. Pinit Therachati MWA Expert Level 9

04 Miss Busagon Procks-anocha MWA Expert Level 9

05 Miss Sutisa Naksen MWA Expert Level 9

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Department Directors and Equivalents

Line of Governor

Mr. Vera	Srisakulvorathai	Auditor Level 8
Miss Prapai	Kampangkeaw	Audit Development and Support Department Director
Mr. Seree	Metharwanitpong	Core Business Audit Department Director
Mrs. Umpaisri	Thanthumwong	Supporting Process Audit Department Director
Mrs. Wipa	Panboon	Corporate Governance Department Director
Miss Wannee	Wuttiwongsumpun	MWA Board of Directors Affairs Department Director
Mrs. Jutharat	Somjitiranukit	Corporate Communication Department Director
Mr. Kittipong	Apichaichankit	Operation of MWA Department Director
Miss Suwara	Thawitchasri	Social Responsibility Management Department Director
Mr. Washirawit	Powichit	MWA Waterworks Department Director
Mr. Suntorn	Thonggumnerd	Human Resources Development Department Director
Line of Deputy Gove	ernor (Administration)	
Miss Nattapa	Tantiprapan	Legal Department Director
Mrs. Suwanna	Parkros	Central Administration Department Director
Miss. Kanchana	Vibhatavanij	Procurement and Supplies Department Director
Mrs. Apinya	Rotchanahatsadin	Human Resources Management Department Director
Mrs. Sutanya	Srisuriyachan	Welfare and Labor Relations Affairs Department Director
Line of Deputy Gove	ernor (Finance)	
Mrs. Montira	Rerkpiyasarp	Budget Department Director
Mrs. Nongluck	Ratanaudomchok	Financial Analysis and Planning Department Director
Mrs. Obhoon	Sawetavong	Development and Enhancement Enterprise's Value Department Director
Mrs. Wasana	Nakpiphatkul	Accounting Department Director
Miss Sompit	Nawapornchai	Finance Department Director
	ernor (Eastern Services)	
Mr. Wisoot	Weeteeprasit	Sukhumwit Branch Office Manager
Mr. Sutat	Vannasiri	Phra Khanong Branch Office Manager
Mrs. Payom	Srianan	Samut Prakan Branch Office Manager
Mr. Veerachai	Wisespunthurungsi	Mansri Branch Office Manager
Mrs. Ameritsa	Nirasphai	Thung Mahamek Branch Office Manager
Mr. Vera	Chitpaitoon	Phaya Thai Branch Office Manager
Mr. Archawan	Im-erbtham	Lat Phrao Branch Office Manager
Miss Suchima	Jantrapai	Prachachuen Branch Office Manager
Mrs. Penchan	Tanodkaew	Bang Khen Branch Office Manager
Mr. Marnus	Changnoi	Min Buri Branch Office Manager
Mr. Raksak	Suriyaharn	Suvarnabhumi Branch Office Manager



Line of Deputy Gov	ernor (Western Services)
Mr. Atthaya	Chansukon	Service Support Department Director
Mr. Saharat	Porkaew	Water Meter Department Director
Mr. Kittipat	Uthikamporn	Water Loss Management Department Director
Mr. Maitri	Kaewsaengtham	Bangkok Noi Branch Office Manager
Mr. Rangsun	Sumpowthong	Taksin Branch Office Manager
Mr. Piboon	Wongpatarajitkul	Phasi Charoen Branch Office Manager
Mr. Suthep	Eapakorn	Suksawat Branch Office Manager
Mrs. Sranya	Sinamphet	Nonthaburi Branch Office Manager
Mr. Prasopsuk	Somprasong	Bang Bua Thong Branch Office Manager
Mr. Sinut	Sinittarnon	Mahasawat Branch Office Manager
Line of Deputy Gov	ernor (Engineering and	Construction)
Mr. Suwan	Cheiwchansilp	Water Distribution System Construction Department 1 Director
Mr. Komkrit	Dinnakorn na ayutthaya	Water Distribution System Construction Department 2 Director
Mr. Banjong	Vongsa	Water Treatment and Transmission System and Civil Work Construction Department Director
Miss Widchuda	Liamsanguan	Project Management Department Director
Mr. Pornsak	Panyoi	Survey and Design Department Director
Mr. Suthirug	Buchagul	Engineering Standard and Geographic Information Department Director
Line of Deputy Gov	ernor (Water Production	and Transmission)
Mr. Chedthar	Chomchuen	Water Transmission and Distribution System Treatment Planning and Developing Department Director
Mr. Wichai	Arayasettakron	Mahasawat and Thon Buri Water Treatment Plant Department Director
Mr. Somchai	Poungklin	Samsen Water Treatment Plant Department Director
Mr. Uthai	Kaewtem	Bang Khen Water Treatment Plant Department Director
Mr. Somyos	Charussrivisit	Water Distribution Pumping Station Department Director
Mr. Sukit	Ekatikomkit	Water Transmission and Distribution Control Department Director
Mr. Somsak	Kitchareon	Water Resources and Environment Department Director
Mr. Suchin	Sungkakhun	Raw Water Transmission System Department Director
Mr. Parinya	Naenna	Water Quality Department Director
Mr. Udomdet	Wichaisutthikul	Electrical System Maintenance Department Director
Mr. Yuthana	Chandenduang	Mechanical System and Civil Maintenance Department Director
Mr. Sathaporn	Sunkumnurd	Instrumentation and Automatic System Maintenance Department Director



Line of Deputy G	overnor (Planning and	I Development)
Mr. Mongkol	Kerkkittikul	Policy and Strategy Department Director
Mrs. Pimjai	Sabsompong	Business Development Department Director
Miss Kornvilai	Yeawyasat	Monitoring and Evaluation Department Director
Miss Anchalee	Musigatham	Risk Management Department Director
Line of Deputy G	overnor (Information 1	Technology)
Miss Kanyarach	Nantanawikul	Information Technology Strategy Department Director
Mrs. Kanitta	Pholcharoen	Technology Development and Support Department Director
Mr. Veerasak	Tangsombatanan	Technology and Communication Department Director
MWA Expert Lev	el 8	
Miss Laksamee	Sukprasert	MWA Expert Level 8
Mr. Charat	Nakvachara	MWA Expert Level 8
Miss Punnee	Chithan	MWA Expert Level 8
Viss Siriwan	Klancharoen	MWA Expert Level 8
Mrs. Siwilai	Kitpitak	MWA Expert Level 8
Mrs. Supunnee	Salakavises	MWA Expert Level 8
Mrs. Penporn	Pusantisumphan	MWA Expert Level 8
Mr. Prachern	Boonkiew	MWA Expert Level 8
Miss Sumon	Tanteeratam	MWA Expert Level 8
Miss Toungporn	Supaniratisai	MWA Expert Level 8
Mrs. Kritsana	Boonlers	MWA Expert Level 8
Mrs. Kanchana	Futrakul	MWA Expert Level 8
Mrs. Suntaree	Akepanidtaworn	MWA Expert Level 8
Mr. Vichayut	Rodsilp	MWA Expert Level 8
Mr. Nithikriang	Onthuam	MWA Expert Level 8
Mrs. Wannee	Wangjaisuk	MWA Expert Level 8
Mrs. Voravan	Penthavatvong	MWA Expert Level 8
Mrs. Sukullaya	Sukarom	MWA Expert Level 8
Mr. Montri	Longtee	MWA Expert Level 8
Miss Jinda	Chantatamma	MWA Expert Level 8
Mr. Manit	Panaim	MWA Expert Level 8

As of 31 December 2015

Senior Executives during the Year 2015 (Retired on 1 October 2015)

Miss Tippawon	Budsayaplakorn	Deputy Governor (Finance)	
Mr. Trirong	Khanom	Deputy Governor (Administration)	
Mr. Wisut	Noppakhunthong	Deputy Governor (Information Technology)	
Mr. Vitaya	Intachit	Deputy Governor (Engineering and Construction)	
Mr. Chaovarin Kingkaew Deputy Governor (Water Production and Transmission)			
30 Metropolitan Waterworks Authority "Saving Water Together"			

























MWA... Moving towards the Future





Financial Factors Affecting MWA Operation

The MWA Bangkok Water Supply Improvement Project is a mega investment project which substantial investment funds are required. Due to its limited long-term investment savings, the MWA has considered to find possible appropriate loan resources from international agencies which properly meet the equity requirement as well as the project conditions. In this occasion, Japan International Cooperation Agency (JICA) has offered a favor through its long-term loan with low interest rates and debt-free provision period. The 7th and 8th Bangkok Water Supply Improvement Projects have been carried out by the liabilities in Japanese Yen currency as a long-term investment loan from JICA.

At present, the MWA has signed 2 Loan Agreements in Japanese Yen with JICA. With the nature of MWA operation which generates revenues and expenses in Thai Baht while having liabilities in Japanese Yen, the MWA is affected by the risk factors caused by fluctuating interest rate as well as exchange rate. Such risk factors are considered important to the corporate performance results. Therefore, Cross Currency Swap (CCS) is used as a foreign exchange hedge for one of the Loan Agreements in Japanese Yen. However, the risk monitoring for the other Loan Agreement is conducted because it is under the process of receiving loan and the interest rate is low.

In the past year, the interest rate was on a downtrend due to the national economic vulnerability continuing from 2014 as well as the unusually low inflation rate. In 2015, the Monetary





Policy Committee resolved to reduce the policy rate 2 times. The first reduction was conducted in the first quarter of 2015 on 11 March 2015, from 2% to 1.75% per year while the second reduction was conducted on 29 April 2015, from 1.75% to 1.50% per year, which has been stable at this rate until year end.

The exchange rate of the Thai Baht against the Japanese Yen in 2015 was highly fluctuating in a broad range with the weaker tendency due to the economic recovery of the USA, the economic stability of Japan as well as the vulnerable economic and political circumstances of Thailand in 2014 continuously to 2015. The weakening of Thai Baht is likely to continue in 2016 after the rise of Fed's interest rate.

With regard to the MWA risk management and monitoring towards the fluctuation of interest rate and loan's foreign exchange rate, the MWA expects to receive complete amount of loan according to the progress of the project along with the loan disbursement plan. Based on the economic and financial outlook, the interest rate is expected to go down in line with the economic slowdown and has no sign of recovery in the near future. Moreover, the weakening of Thai Baht against the Japanese Yen is likely to continue in 2016. If the interest rate and exchange rate are in the acceptable level, CCS will be implemented as the MWA's financial risk management to minimize the risks of exchange rate fluctuation.



Important Financial Information

	Con the second		
· · · · · · · · ·	2015	2014	2013
Financial Status (Million Baht)			
Current Assets	13,564.03	9,816.03	7,772.54
Total Assets	66,751.19	63,268.13	60,634.43
Current Liabilities	4,853.63	5,401.39	6,340.86
Total Liabilities	12,051.57	11,920.40	12,703.18
Equity	54,699.61	51,347.73	47,931.25
Performance Results (Million Baht)			
Total Revenues	19,917.22	19,492.23	19,114.66
Total Expenses	12,767.25	12,615.40	11,869.92
Net Profit	7,149.97	6,876.83	7,244.75
Financial Ratios			
Net Profit Margin Ratio (%)	36.52	35.83	38.40
Rate of Return on Assets (%)	10.71	10.87	11.95
Rate of Return on Equity (%)	13.07	13.39	15.11
Debt Equity Ratio (Times)	0.22	0.23	0.27
Current Ratio (Times)	2.79	1.82	1.23
Average Collection Period (Days)	28	28	28













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Industrial Conditions and Future Tendency

The MWA's core business is firmly strong since water supply is a primary public necessity. Based on the previous statistical data, however, the demand of water consumption is dependent upon the economic condition as well as the population growth particularly in the MWA's responsible areas. At present, changes in economy, social structure, politics, administration, climate and even urban growth have apparently influenced the water consumption behavior in the area. The industry sector is one of sectors which high volume of water is in need. According to the survey, it was found that the production of such sector, especially for domestic market, dropped in 2015, compared to the previous year. The reasons behind this are not only the slow growth of domestic demand, but also the political tension in the beginning of the year 2014. Besides the distinct drop of agricultural product prices in the second half of 2014 and the high household liability continuously hindered the purchasing power. Somehow, the export production has been increasing due largely to the world's economic recovery, resulting in consistently growing demands of multiple international industries from the beginning of the year.

In 2016, it is expected that the overall economy will improve from the last year but at a slow pace due to gradual recovery of middle to high class people's purchase power. However, the uncertainty over the economic condition has made them more cautious on spending. Looking at export sector, it is expected to remain stable due to economic recession in the partnering countries, leading to the private sector's steady investment in response to the weak demand of both inside and outside the nation. Based on the World Bank's report, Thailand's economy in 2016 is expected to grow by 2% with 1.8% growth of export. In 2017, however, the national economy is expected to grow by 2.4% with 1.3% growth of export. With the risk of Chinese economy which aims to reach only 6.7% growth at a slow pace due to their risk protection policy. The major driving force in 2016 is the implementation of economic boosters highly supporting farmers and SME entrepreneurs the results of which are expected to be seen in the beginning of next year. What would mainly drive the national economy in the following phases is the support of public investment.

The history of economic expansion, especially in industry section, has a significant impact over water consumption which is obviously seen from water use information and water sales volume. This year, based on the industry growth, the MWA foresees the lower demand of water usage, compared to the previous fiscal year. Some possible factors fall to the state policy, drought, climate change, and disaster, which directly and indirectly affect the national economic status as well as the level of water consumption in future.



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Major Plans and Projects

No.	Project	Project Period	Project Cost (Million Baht)	Implementation Results to the Fiscal Year 2015
1	The Seventh Bangkok Water Supply Improvement Project Expansion of the production capacity of Bangkhen and Mahasawat Water Treatment Plants for another 400,000 cubic meters per day each; construction of Bang Phli and Min Buri Pumping Stations; construction of transmission tunnels; and distribution pipelines for 1,000 kilometers in total.	1999-2018	25,177.3	91.63%
2	The Water Loss Improvement Project Construction of trunk mains and pressure reducing valves; installation of SCADA system and DMA system.	2002-2017	4,215.6	96.41%
3	The Eighth Bangkok Water Supply Improvement Project Expansion of the production capacity of Bangkhen and Mahasawat Water Treatment Plants for another 400,000 cubic meters per day each; construction of reservoirs at Ratburana and Petchkasem Pumping Stations; procurement and installation of raw water pumps, transmission pumps and distribution pumps; construction of pipelines and other related operations.	2008-2018	7,494.0	81.89%
4	The Ninth Bangkok Water Supply Improvement Project Expansion of production capacity of Mahasawat Water Treatment Plants for another 800,000 cubic meters per day; enhancing efficiency of the distribution system by constructing of transmission tunnels and Bangmod distribution pumping station as well as expanding reservoirs; construction of pipelines and other related operations.	2016-2022	44,870.0	In the process of submission to the Cabinet for project approval.



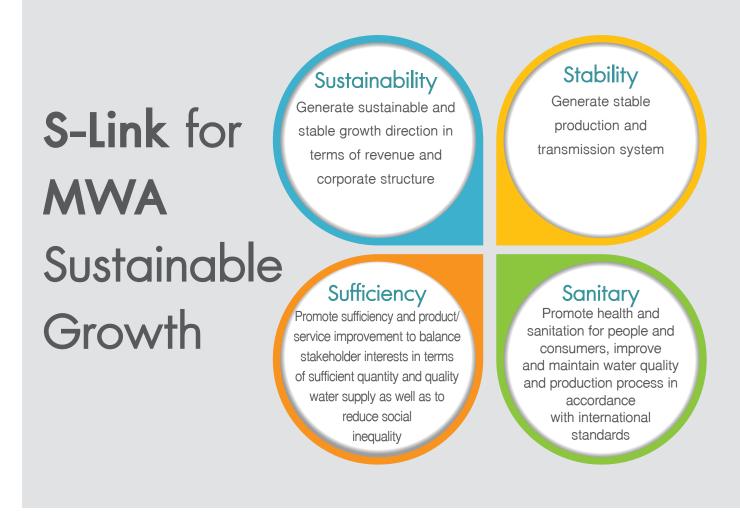
Future Policies and Plans

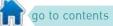
The Metropolitan Waterworks Authority is still committed to the vision *"To be the leading ASEAN water supply provider toward excellence in corporate governance and social responsibilities"*. The MWA's target is to be awarded Thailand Quality Class (TQC) in 2016 and improving itself to be awarded Thailand Quality Awards (TQA) at the end of the Strategic Management Planning Metropolitan Waterworks Authority 4th Issue (2017-2021).

Under the Strategic Management Planning Metropolitan Waterworks Authority, 4th Issue (2017-2021). the MWA also aims to generate corporate sustainability throughout the Strategic Management Planning Metropolitan Waterworks Authority, 3rd Issue (2012-2016). under the principle "S-Link for MWA Sustainable Growth":

For future operation guideline on generate sustainability and excellent service, the MWA is in the process of making a 30 year framework (2018-2047) for water supply infrastructure improvement (MWA Master Plan). It is a continuing plan for the present one that will finish in the year 2017. The major projects are as follows:

• Executing the 9th Water Supply Improvement Project (2016-2022), with the objective to increase production capacity of Mahasawad Water Treatment Plant to 800,000 cu.m./day,





establishing a new water pumping station in the southern area on the west side of Chao Phraya River, connecting more 4 transmission tunnels, and expanding clear water reservoirs at Lad Krabang, Min Buri, Samrong, Lad Phrao and Bang Phli Water Pumping Station to generate stability and satisfy the increasing demand of water supply in the next 20 years.

 Implementing the 10th Water Supply Improvement Project (2018-2022), with the emphasis on stability of long-term production in the northern area on the west side of Chao Phraya River.

• Building stability of waterworks system, along with improving raw water transmission permanently to prevent flood, surveying and providing sources of raw water for sustainable production when water is inadequate or sea water level is high.

For service Improvement, the MWA aims to reduce the water loss while simultaneously enhancing water pressure in distribution system along with instantly improving water pipe quality particularly in high water loss area to lower as much as 20% with over 10 meters of water pressure by 2017. Furthermore, the MWA enhances service efficiency for general public and individual customer, focusing on the rapidity and convenience for smart phone users via App MWA onMobile for ios and android system as well as Customer Information System (CIS) which can connect to Smart card.

In addition, the MWA plans to enhance confidence as well as corporate image in both domestic and international levels as follows:

• Improving water quality to meet World Health Organization's standard in line with the Water Safety Plan by upgrading the water operation system from raw water to water users.

• Enhancing the MWA's Corporate Governance and Corporate Social Responsibility to the international standard and raising awareness of Demand Side Management.

• Establishing legal work in response to the MWA's business expansion/investment plan in CLMV countries and setting the academic collaboration network as ASEAN's waterworks knowledge center.

• Increasing the efficiency of IT's security system with ISO/IEC 27001:2013 standard in order to provide service continuity even in irregular circumstances.

The MWA's major objective is to provide securing quality water supply and service coverage for customer satisfaction, particularly in the MWA's 3 responsible provinces, along with surrounding areas, as stated in the MWA's mission below.



"To provide securing quality water supply and service coverage by latest technology and professional workforce for customer satisfaction and confidence"







World Water Day





Drinking water supply for People and Public Sector Unite to Combat Drought Project



New bill payment service via K-Mobile Banking PLUS





The opening of Center for the Water Crisis and Water Quality



Metropolitan Waterworks Authority "Saving Water Together"





The celebration ceremony of His Majesty the King's birthday





MWA 161 Weirs for HRH Princess Maha Chakri Sirindhorn Project



The Centenary Celebration of Thai Waterworks



The commemoration of HRH Princess Maha Chakri Sirindhorn's 60th Birthday



Opening ceremony of Damrong Dham Center of MWA



MWA Academic Fun Fest 2015

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METROPOLITAN WATERWORKS AUTHORITY

Performance Results

03



Organizational Performance

In fiscal year 2015, it is the 4th year of the MWA action plan framework under the Strategic Management Planning MWA, 3rd Issue (2012-2016). The Balanced Scorecard (BSC) and Economic Value Management principles were the core corporate management to drive the strategic management to be the achievement of MWA's vision, mission and value under 6 strategies, namely stakeholders, finance, customers, internal process, learning and organization development, and good corporate governance.

During fiscal year 2015, the drought crisis in Thailand affected to capacity and quality of raw water in water production for public consumption. The MWA closely monitored and worked in collaboration with related agencies as well as prepared measures in order to resolve the situation, making effective water service and production even when the crisis comes. The overall performance went according to the strategic plan with concrete outcome, resulting in the progress of the organization and the balance management of the demands of all stakeholders. The summary of performance in each aspect is as follows:

Finance

The daily income plan was generated and the balance remained in cash at the period ending in accordance with the financial regulation. The information influencing on the MWA's expenses was followed up in order to adjust income-expense estimate in line with the changing situations. The interest rate and deposit period based on the balance liquidity of MWA was taken into account. The bank which offered the highest interest rate with the lowest risk was selected.

The MWA analyzed monthly financial performance in order to plan and manage income-generating channels and to reduce expenses. Management practices under the EVM principle were adopted, taking account of financial costs and asset management for the target achievement of the Economic Profit (EP). Strategies, targets and indicators were formulated and assigned to the EVM centers, namely Water Production and



Distribution Center, Supporting Center, and Service Center, to mobilize the operation to the targeted outcome.

Customers and Marketing

The MWA is highly aware of customers and consistently improving service quality, resulting in higher customer satisfaction than that of the previous year.

The important operations were as follows:

• Distributing the manual for public on MWA's official website in accordance with Licensing Facilitation Act, B.E. 2558 (2015).



• Improving and enhancing the efficiency of service quality for more convenience, faster operation and overlap process reduction as well as improving a service for new connection application in which an ID Smart Card is solely needed instead of filling the form at the MWA branch offices.

 Applying IT technology to enhance service efficiency especially GIS system which has been in place for the installation of new water pipelines and pipe replacement to reduce loss of water. Moreover, the MWA has signed MOU agreement with GISTDA regarding space technology and geo-information to support waterworks administration. Particularly, GISTDA highresolution images were beneficial to the survey of water-shortage areas, with aim to expand service area coverage in 2017. For existing users, the MWA made additional service channel available with the MWA on Mobile application, providing various types of information such as water stop service/weak water flow areas, locations of MWA branch offices and customer data.

• The MWA has formulated policies to expand water supply service to cover all areas with the aim to increase people's quality of life. At the end of 2015 there were 2,226,707 customers, 55,336 more than the previous year.

- Setting discount criteria for new connections at the rate of 10% for new Residence Type customers

applying for permanent connection of ½ inch water meter in accordance with the regulations. In fiscal year 2015, the MWA reduced fee for 49,908 new connections of 27,157,500 baht for total amount.

- Signing MOU with the Bangkok Metropolitan Administration, along with Samut Prakan and Nonthaburi Provinces to expand service coverage for water supply by jointly installing pipes in areas far from MWA's trunk mains. The project cost is on an equal sharing basis. In 2015, pipes of 199.276 km. of length were installed.
- Exempting the minimum water tariff for type 1 (Residence) in response to the policy of Ministry of Interior which emphasizes on Relieve Suffering ; Increase Happiness. Starting from the meter round of 1 April 2015, the actual water tariff is 8.50 baht per one cubic meter. There were 260,000 customers receiving benefit from the discount, considering 90 million baht for the total discount.

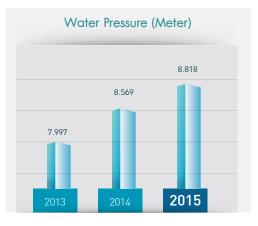
 Promoting customer relations by hosting four MWA Meet People activities at each branch office's area. The project was initiated by the collaboration between the MWA and other agencies such as District Office of Bangkok and the Metropolitan Electricity Authority. This project's objectives were to provide services, including pipe leakage detection, new connection application, complaint lodging, household waterworks consultation, and basic troubleshooting, etc. Best Care Service Project was implemented for large customers, some of which were selected to be in the Key Account Project so as to maintain excellent relations in each year.

· Managing and handling the severe drought crisis systematically and efficiently by reducing production capacity and water distribution at Bangkhen Water Treatment Plant which receives water from Chao Phraya River. This operation affects on weaker water flow sometimes but never affects public's water consumption. The MWA reserved raw water with low salinity value of raw water in water canal as much as possible, encouraged the public to reserve water for household consumption 60 liters per household as well as requested for cooperation from every sector to save water. Moreover, the MWA established the Integrated Water Quality Center which is able to present the information of water quality in production system and Real Time water pipe system. The automatic Chlorination process at pumping stations was controlled to ensure the efficiency and there were 50 locations throughout the service areas where the automatic water quality testers were installed. For more convenience, industrial plants and general public are able to test the quality of water on Real Time basis 24 hours through the website http://twqonline.mwa. co.th.

Internal Process

MWA produced and distributed 1,835.1 million cubic meters of water, or 5.03 million cubic meters on daily average. Total length of water pipeline network has 33,186.76 kilometers (not including service pipes). Water quality check points and automatic chlorine feeding systems were installed to ensure that the quality of water met the World Health Organization (WHO) standard. MWA carried out its operation in line with Water Safety Plan. For example, the MWA Water Quality Rally Road Show at schools in service area was held by the cooperation of MWA branch office, Corporate Communication Department and Water Quality Department.

MWA has constantly adopted advanced technology to reduce water loss by installing a detecting tool called District Metering Area (DMA) in surveillance areas. There were network connections, both Real Time and data inputting, between the tool and the control room of branch offices. This technology has been integrated in the Water Leakage Management Application (WLMA), which led to efficient water loss management. Moreover, the principle of "Four Disciplines of Execution (4DX)" was adopted in the water loss





management. This resulted in the reduction of water loss ratio in the year 2014 from 23.39% to 23.37%. The average water pressure was 8.818 meters.

Learning and Organizational Development

• The Career Management for human resource development has been run through two main projects, namely High Performance and Potential Staffs (HiPPS) and Successors to Key Positions

• Research and development to promote and utilize the innovation of employees or agencies. In 2015, the MWA obtained the patent product design for "water strainer" and "water strainer lid" from Department of Intellectual Property. Furthermore, with the awareness of innovation and technology promotion of MWA, the authority organized "MWA Academic Fun Fest 2015" activity under a concept called "knowledge is power of development". The activity allowed for external and internal people to express



their technology creativity and invent innovations for saving water under the topic "MWA Green Innovation", with aim to promote adequate water supply for the public.

• A survey on staff members' level of engagement and satisfaction has been conducted. The results were used to formulate a plan to promote corporate engagement and satisfaction. Activities were held to promote Happy Workplace such as Happy body : training on "How to Exercise for Good Health", Happy Money : training on "Financial Planning for Retirement" and Happy Brain : arranging a study visit at Rattanakosin Exhibition Hall and many more. • The corporate culture has been promoted to support corporate vision, value and objective. The role model of public service provider was selected to be a good example of other employees.

• The collaboration between MWA and ASEAN countries was expanded in the cooperation frameworks: personnel training and innovation development with Saigon Water Corporation (SAWACO) in Vietnam and National Directorate for Water Services (NDSA) in Timor-Leste. There was also the collaboration network with neighboring countries in AC group.

Good Corporate Governance

• The Manual on Governance, Risk Management and Compliance (GRC) was compiled and distributed to all units as an operation guideline for the whole organization.

• The MWA has carried out a project to promote safety , occupational health and working environment (SHE) at Bangkhen Water Treatment Plant, where the operation has run in accordance with ISO14001:2004 and OHSAS 18001:2007. In 2015, the plant undergone an ISO14001 assessment by the Management System Certification Institute (MASCI). The result showed that the ISO14001:2004 system was well maintained and there was no fault found.

• The MWA has raised awareness, communication and understanding of good corporate governance. The MWA Corporate Governance Manual was reviewed and Corporate Governance knowledge was constantly shared through various media to reach all 4 groups of stakeholders, that is, staff members, contract laborers, partners, and customers/ public.

• MWA CG & CSR DAY Happiness is All Around 2015 was held on 20 March 2015. There were the exhibition organized to promote anticorruption as well as portfolio contest, presenting innovative work reflecting the employee's commitment to the good corporate governance and social responsibility. The activity was participated by 1,120 MWA staff members, contract laborers and partners.

• CG role model and network have been promoted by selecting CG My Idol, a person at the leader level and individual level who has behaved in a way that conforms to the executive and employee's work ethics. Moreover, the MWA CG and NACC network was established to encourage all staff members to take part in monitoring and elimination of corruption.

• Mechanism and measures have been established to develop the operation process in accordance with the principle of good governance and anti-corruption. KPIs and transparency criteria have been set to be used as department's KPIs.



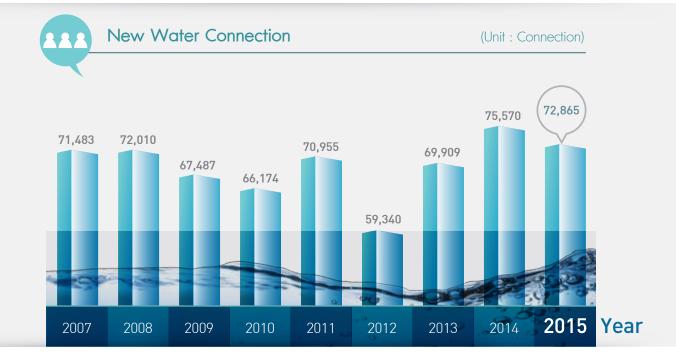
Financial Status Analysis

Despite the economic challenges and the instability of national politics and the global economy, the MWA has performed its operation efficiently, resulting in the net profit of 7,149.97 million baht, 273.14 million baht higher than the previous year.

Organizational Performance

The total revenues of 19,917.21 million baht were mainly from water sales of 16,822.91 million baht, 419.42 million baht higher than the previous year. The MWA has complied with the Cost of Living Relief Measures for Low Income People under CSR policy by waiving the minimum water tariffs for customers type 1 (Residence) since 1 April 2015, resulting in the decrease in water sales. However, the increase in water sales volumes was attributable to the greater number of residents living in multiple completed buildings along with the greater number of customer in the business sector. In addition, the water sales to the Provincial Waterworks Authority (PWA) in the connected areas of MWA and PWA was increasing from the previous year with the total water sales volume of 1,382.64 million cubic meters, 32.16 million cubic meters higher than the previous year. With respect to the revenue from the new connection, the MWA generated 410.04 million baht, 44.99 million baht and 2,705 new connections lower than the previous year. Moreover, effective from 1 October 2014, the MWA has reduced 10% of new connection tariffs for all types of permanent connection of 1/2 inch water meter and 3/4 inch water meter, apart from the previous discount for permanent connection of 1/2 inch water meter for residence type only. Additional revenue was lower than the previous year due to the lower revenue from water pipe installation for the private sector, attributable to the slowdown of real estate businesses, particularly residence in flat areas, in response to the national economic circumstance as well as the household debt. Furthermore, revenues from the water pipe installation for the public sector and the reconnection of water pipe were lower than the previous year while other revenues from the interest income and layout design were higher than the previous year.

The amount of total expenses was equal to 12,767.24 million baht, 151.84 million baht higher than the previous year. The expenses were mainly from the electricity fee, the employee expenditure, the amortization of intangible assets along with the loss affected by foreign exchange rate. However, the cost of chemicals was less than the previous year when the chemical flocculation AL(K-320) test was conducted and this test increased the corporate production cost. The increasing chlorination (Sodium Hypochlorite) at pumping stations has made it cheaper than the regular chlorination system in the production process.



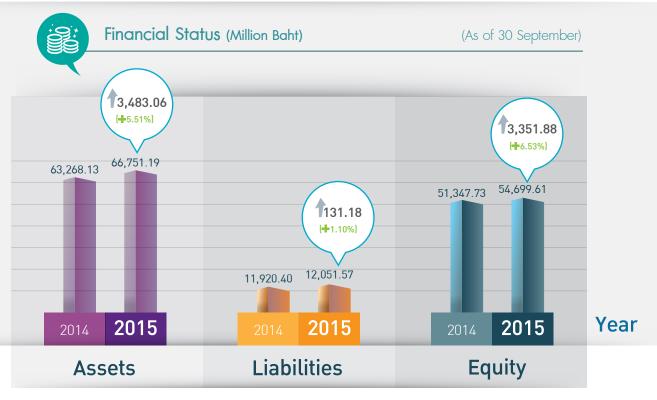
46 Metropolitan Waterworks Authority "Saving Water Together"



Financial Status

As of 30 September 2015, the MWA had total assets of 66,751.19 million baht which was higher than the previous year. The increase in total assets was due to the surplus liquidity from the operation and the surplus liquidity management by investing in the temporary investment. The fixed assets were lower than the previous year due to the delay of capital budget disbursement for regular operating activities. The delay was affected by the fair price reviewing process in accordance with the cabinet resolution towards the Reduction of Construction Cost

for Public Agency Measures on 30 December 2014. The amount of total liabilities was higher than the previous year due to deferred assets by donation and deferred income obtained from water pipe installation for the private sector along with the discount creditors from "Help People. Help Nation. Save Water." Project by offering water tariffs discount through credit in 2016. Moreover, the total equity was higher than the previous year due to the increase in retained earnings.





Changes in Cash Flow

			Unit : Million Baht
Detail	2015	2014	Increase (Decrease)
Net cash from operating activities	10,850.36	9,698.98	1,151.38
Net cash used for investing activities	(5,979.65)	(6,148.65)	(169.00)
Net cash used for financing activities	(4,129.44)	(4,459.96)	(330.52)
Net increasing (decreasing) cash and cash equivalents	741.27	(909.63)	1,650.90
Beginning cash and cash equivalents	4,210.12	5,119.75	(909.63)
Ending cash and cash equivalents	4,951.39	4,210.12	741.27

As of 30 September 2015, the MWA had cash and cash equivalents of 4,951.39 million baht, 741.27 million baht higher than the previous year with the cash flow for the following activities.

- Net cash from operating activities was higher than the previous year due to the higher revenues from water bill payment and pipe installation for the private sector than the previous year. Meanwhile, the payment for pension fund was less than the previous year.
- Net cash used for investing activities was less than the previous year due to the lower investment on fixed assets. The disbursement of capital budget was lower than planned while the interest income was higher than the previous year.
- Net cash used for financing activities was lower than the previous year because the remittance to the Ministry of Finance was lower than the same period of the previous year.

Loan Liabilities

			Unit : Million Baht
Loan Liabilities	2015	2014	2013
Domestic Loans (not guaranteed by the Ministry of Finance)	-	-	-
Foreign Loans (guaranteed by the Ministry of Finance)	1,790.019	1,697.556	1,489.459
Total Loan Liabilities	1,790.019	1,697.556	1,489.459

Approved Budget

			Unit : Million Baht
Approved Budget	2015	2014	2013
Operating Budget	7,868.7	7,375.7	7,446.0
Capital Budget	4,638.7	5,440.5	6,591.8
Total Budget	12,507.4	12,816.2	14,037.8

Remittance to the Ministry of Finance

			Unit : Million Baht
Remittance to the Ministry of Finance	2015	2014	2013
Remittance to the Ministry of Finance	4,118.00	4,745.00	1,501.50





Organization Management

Risk Management

Risk management is considered as a key factor of target achievement of MWA operation; the associated policy and action plan are put in place to ensure the integrated risk management against the significance of both internal and external threats in the MWA operation. There is also an effective risk control plan which aims to control risk at the acceptable degree while consistently upholding such culture among executives as well as staff members.

In fiscal year 2015, MWA's major progress in risk management is as follows:

Water Production, Transmission and Distribution Stability Enhancement

Further from the previous year, back-up electricity substations were established at pumping stations so that the main stations and substations can operate attentively in the case of maintenance or damage. The risk management plan was implemented in response to the impact of saltwater intrusion in the eastern raw water source. Moreover, Business Continuity Plan (BCP) was formulated, reviewed, and improved in order to maintain the operation of water production, transmission and distribution. To effectively meet the future demand, MWA has gone an extra mile to manage investment risk in the master operation plan for future expansion.

Services

To ensure water sufficiency for users, MWA has run the operation with care, consistency, and value consciousness. The risk management stresses on the improvement of water loss management efficiency by accelerating water leakage detection in distribution pipes and trunk mains of each branch, improving stability of detecting devices and water loss monitoring through new advanced technology.

Human Resources

MWA has continuously encouraged personnel development for staff members of all levels. In fiscal year 2015, MWA has prepared individuals to become successors to key positions, as well as human resource development in particular fields, with aims to develop professional expertise in the organization.

To comply with the MWA risk management plan, the revision on the MWA regulations No. 116 in 2000, focusing on water transmission, distribution and consumption was conducted appropriately in line with the existing working condition and in preparation for the ASEAN Community and related business which water supply service to non-Thai sectors is in need.

Finance

The operation time in the procurement plan was reviewed to ensure its correspondence with the disbursement plan so that the disbursement can be done according to plans. Training courses were organized for staff members and the knowledge gained could be adopted to make solutions to procurement problems.

IT Technology

IT Business Continuity Plan (BCP) was reviewed, revised and exercised in accordance with the ISO 27001:2005 for the 5th consecutive year. Stand-alone back-up system was also developed to be used in main operation systems. To ensure the security and availability of the organization's IT system in any emergency situations.

Water Safety Plan

The plan has run continuously and concretely, integrating principles of assessment and risk management in every stage of waterworks system to ensure that the water distributed to households can be safely consumed, and adequate. The action plan revision was conducted appropriately in a long run and in line with the water safety plan as well as expertise from various fields.

Furthermore, the MWA has implemented the internal control, risk management and internal audit project continually from 2014. The MWA's development of the related IT system and supporting database for maximum benefit has been completed as scheduled. The project aims to support MWA's good governance and long-term competitiveness, this strengthening all stakeholders' confidence in the corporate management and services in the long run.

Internal Control

The MWA Internal Control is in consistency with the internal control standards under the Regulation of the State Audit Commission B.E. 2544, as well as in accordance with international standards of COSO (The Committee of Sponsoring Organizations of the Treadway Commission) in terms of corporate internal control policy and principle assignment. The internal control includes the establishment of all internal control committee i.e. high level of

executives from all departments and divisions, who monitor and evaluate the performance of internal control system as a whole and determine proper control practices. The independent divisions and departments have implemented the annual Control Self Assessment (CSA), with every main task, to ensure that the existing internal control system is efficient and effective. Furthermore, the independent internal control by the Internal Audit Office is implemented to ensure that the existing internal control system is sufficient, appropriate, and practical. The MWA has clear internal control policy and guidelines which are reviewed and revised regularly to keep up with changing circumstances.

In fiscal year 2015, The MWA's major internal control operations stressed on carrying out multiple activities to educate personnel towards internal control system, with aims to implement it as part of their own operation in response to the Governance, Risk and Compliance (GRC) as follows.

> • The Control Self Assessment Contest in 2015: to instill the internal control values in staff members of





all levels, encourage regular practice of internal control in all operations, and promote the benefits of the CSA for all units

- Constantly educate all personnel towards Internal
 Control including:
 - Training session "How Important Is Internal Control to The Executives?" was organized for department heads and equivalent personnel to review and deeply understand the internal control standard, along with their role to monitor, follow up and assess the operation to ensure its efficiency. The strict compliance to such standard is able to bring out confidence that the objectives of the operation will be easily achieved.
 - Training Session "Internal Control" for new employees as well as other training sessions for future promotion, mainly focusing on enhancing knowledge and awareness of the internal control in order to efficiently implement it in their operation.
 - Risk Management and Internal Control Roadshow is designed for all personnel in all departments to review knowledge concerning risk management and internal control.
- Information Technology Development under the name of information system for the integrated Internal Control, Risk Management and Internal Audit

This newly developed information technology system is aimed to manage and share the information towards G (Governance), R (Risk) and C (Compliance) among any work units associated with the internal control, risk management and internal audit. It works as a key channel to enhance the communication quality and to coordinate between the executives and the relevant work units. Moreover, this new system, officially in effective in 2016 to replace the previous system which is unable to share GRC information, will help promote the monitoring and reporting business performance with transparency.

To perfectly meet the needs of users and better correspond with the organizational operation, however, the MWA will measure and report the flaws of actual operation of this IT system for the integrated Internal Control, Risk Management and Internal Audit in 2016.

Internal Audit

In order to promote effective Good Governance and Accountability, the MWA internal audit office is committed to report the sufficiency and efficiency of the internal control, risk management and good governance. The Internal Audit Office is also tasked with providing the executives and departments with recommendations and guidelines on how to achieve successful operation results.

The Internal Audit Office's Auditors: The Office constantly develops internal auditors' professional skills and expertise according to the assigned responsibilities, encourages auditor's profession consciousness with integrity, and promote sharing of knowledge through relevant study visits and seminars within and outside the organization.

Audit Procedures

 Trust Building: The Annual Internal Audit Plan has specified auditing activities covering main task systems, and in consistency with MWA Strategic Plan 2012-2016. Part of it is to include the comment of audit committee members, executives, and stakeholders, together with the corporate risk report in such plan and the general internal audit plan in details. The Annual Internal Audit Plan shall have the content of threats against the achievement of MWA and align with the Audit Office's resources; the reliability of the organization's financial statement; the compliance to the MWA's law, regulations, policies, related instructions, and the working system that influences general operation. The Audit Office is working to report on proper asset monitoring and utilizing effectively. Also, focusing on the internal control, based on COSO principle. The MWA believes that the effective internal control system which is sufficiently reviewed and assessed would be able to hinder any corruption activities in the organization.

 Consultation: Providing Proactive Audit consultation by publicizing news and information and sharing knowledge with employees to be used as a practice guideline. Besides, there were study visits by such external organizations as the Public Warehouse Organization and the State Railway of Thailand.

- Internal Auditor's Quality Control: The internal audit manual was developed and annually reviewed to ensure the appropriate and accurate practice. The audit quality will be reviewed by the senior auditors while working satisfaction will be rated by the internal auditor's self assessment, CSA team and the Audit Committee. The results will be analyzed in order to improve the internal auditor's quality in the future.
- Auditor's Remuneration : The MWA had the Office of Auditor General as the auditor of the fiscal year 2015. The auditor's remuneration was 2.5 million baht.







Corporate Social and Environment Responsibility

The MWA has been carrying out the Corporate Social Responsibility (CSR) in compliance with ISO26000 and adopting the good governance and transparency policy to the organization's core operation, that is, to sufficiently provide water supply with internationally accepted standards for customer ultimate satisfaction. The MWA CSR Policy has been set to create a distinct operation framework and to raise awareness of building good relationship and collaboration with the stakeholders from all sectors as well as to generate benefits to the public and community for harmony living.

Furthermore, the MWA is highly aware of implementing CSR in-process to bring about efficiency, effectiveness and sustainability in operation. The social responsibility report is conducted annually to present and analyze the organization's CSR performanc which will be used as operation guidelines for the following years and reported to the stakeholders accordingly.

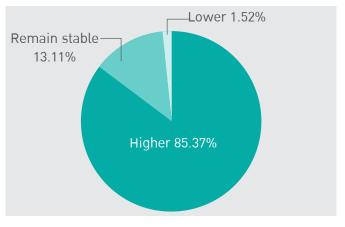
From the commitment to promote corporate social and environment responsibility, the MWA has won, 3 domestic and international awards from 2 projects in the fiscal year 2015, that is, MWA Plumber for People and MWA ONE for All.

MWA Plumber for People Project aims to provide corporate core knowledge and expertise of water pipe system maintenance, water pipe and equipment repair techniques to the general public with no limitation on genders and education levels together with offering plumber suits and plumber tool box for basic waterworks tasks. There are both theoretical and practical trainings with free of charge. In addition, the MWA organizes the activity "CSR Quality Water for Quality Life" for trained people so that they can apply their knowledge and skills to a real situation by acting as volunteers to repair the water system in various locations such as temples, schools and communities. The MWA employees are available to coach these trainees people and the knowledge, skills and experience they obtain from the training will provide them an extra career opportunity or minimize their household expense in repairing and maintaining waterworks system. Moreover, the trained people are able to be independent and to assist others in their community. Most importantly, the fewer problems of broken water pipes and water equipment there are, the better chance of reducing loss of clean water, which is one of the world's important resources, there will be.

Performance Result Summary of Plumbers for People Project

Fiscal year	Number of		umber o articipan		Number of
	Classes	Female	Male	Total	Communities
2014	4	10	85	95	53
2015	10	108	232	340	213
Total	14	118	317	435	266

In fiscal year 2015, the knowledge level and participant satisfaction survey conducted after the training sessions showed the higher knowledge level.



There were 14 batches of CSR The MWA Meet People Project in 21 locations to encourage the participants to put knowledge obtained from the training into practice in the fieldwork.

What the MWA is more proud than providing knowledge and opportunity to the participants is that they can go an extra mile to apply knowledge and skills gained to invent innovation for the waterworks and participate in the MWA Innovation Contest by sending their innovative work. Moreover, the opportunity of participants to turn themselves into trainers is possible, proving that learning is limitless. The capability and self-esteem they discover will make them proud of themselves to be able to help their family and community and truly realize the significance of water conservation.

The MWA Plumber for People Project won 2 awards, from both domestic and international stages, which are the State-Owned Enterprise (SOE) Award 2015 in terms of excellence in CSR practice from State Enterprise Policy Office (SEPO) and,





in the international level, the award of Enterprise Asia, a nongovernmental organization promoting social responsibility, organization leadership and entrepreneurship development across Asia to achieve the sustainable economic development in local community and become regionally accepted. This organization distributes awards in various categories to support the enterprise that acts as a role model for new entrepreneurs. The MWA Plumber for People Project won the prize from the Investment in People Award Category for the 5th Asia Responsible Entrepreneurship Awards 2015 (AREA), out of 300 projects submitted from 28 countries in Asia. Out of 31 organizations in Thailand, there were only 13 organizations winning this award.

MWA ONE for All Project was initiated by the collaboration between the MWA, Bangkok Metropolitan Authority (BMA), Samutprakarn Provincial Administration Organization and Nonthaburi Provincial Administration Organization for pipe laying in no water supply area to increase quality of people's life, to reduce social inequality as well as to provide service coverage of clean water with a low price under the government policy and Ministry of Interior. MWA has completed 654.47 kilometers of pipe laying project. The investment budget is 853.38 million baht. The quality water was supplied to additional 20,000 households.

The project "MWA ONE for All" was selected for the second place in Mexico Water Prize 2015 among more than 100 projects submitted from all corners of the globe. It is the prize that the Mexico government granted institute or local administration for best practices in water supply and sanitary management such as water production, wastewater treatment in order to promote sustainability of water resource management and to enhance revenue or value-added to the organization.

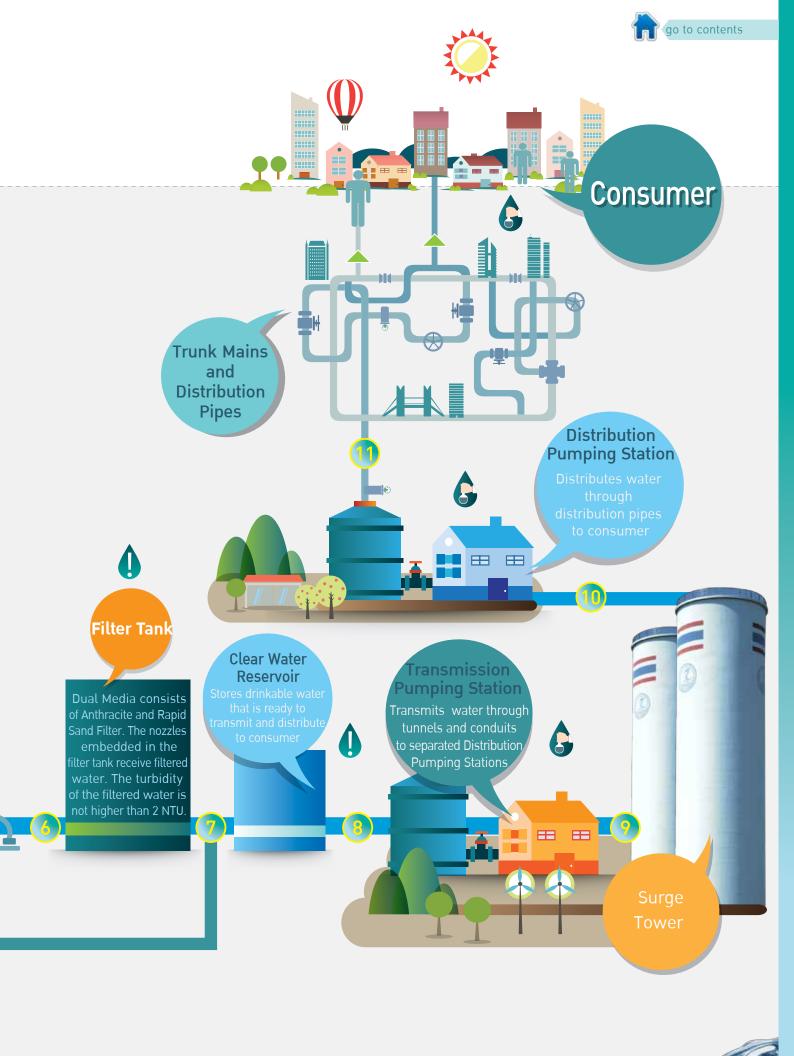
Apart from the above two projects, the MWA also has other projects and activities which are part of CSR such as The Forest Conservation Project in Honor of His Majesty the King: In collaboration with the Electricity Generating Authority of Thailand, the volunteer groups from both organizations, along with the public sector and civil society in the areas have constructed check dams at Baan Rin Luang Community, Chiang Dao District, Chiang Mai. The activities have included building a stadium, activity center and earthen ridge to prevent flood at a school to improve people's quality of life. The project has helped promote the collaboration between people, community and the local administration in forest conservation and development. Demand Side Management (DSM): The MWA has encouraged people's awareness of the value of water and water saving as well as to change their water consuming behavior. The project has also encouraged water saving devices or innovations. The Environment Conservation in Collaboration with UNDP: The MWA has signed a collaborative agreement with the United Nations Development Programme (UNDP). The MWA has annually granted UNDP 5 million baht for 4 consecutive years in order to support at least 5 communities surrounding 2 river basins, Chao Phraya and Mae Klong, to conserve their water sources and to develop the environment. This will lead to a good result in the rehabilitation of raw water quality used for supply water production and the improvement of the ecological system. Fire Hydrant Check-up Project: Checking and maintaining over 20,000 fire hydrants in order to help reduce the risk of fire and loss of life and property for the public.

The MWA is aware of the importance of CSR operation and continues doing so. Moreover, the MWA is ready to take part in enhancing the sustainability of community and society while upholding the corporate key mission to supply basic public utility to serve all lives, which is "water supply", with international standard quality, cleanness and safety as stated in the corporate key principle that "Quality Water for Quality Life".

Water Production Process Chart

Raw Water Sources	Unit (million cu.m./day)	Production Capacity	Water Production	
1	Samsen Water Treatment Plant	0.550	0.378	
Chao Phraya River, abstracted from	Thonburi Water Treatment Plant	0.170	0.092	
Ban-Krachang Sub-district, Mueang District, Pathumthani Province	Bangkhen Water Treatment Plant	3.600	3.636	
2	Mahasawat Water Treatment Plant	1.600	1.444	
Mae Klong Dam, abstracted from Tah-Muang District, Kanchanaburi Province	Samlae/ Th	Chemical here are 4 ma		
	Banglen 1. Lin Raw Water for pH Pumping Stations adjus		2. Chlorine : for disinfection and germs a pathogens elim	nd
	. Alu	m :	4. Poly-electr	olyte
	for flo	occulation	for activation	n of
	and so	edimentation	alum reactio	n
Raw Water Pumping		Colloic	ifier Tank I reacts with	
Pumping Station at Water Treatment Plant	Lime Alum	Colloid chemica and sludg down to th tank. Th clear w to fi		s
Pumping Station at Water Treatment Plant	Lime Alum	Colloid chemica and sludg down to th tank. Th clear w to fi	I reacts with Is to form floc te. Sludge sink the bottom of th then the upper water flows ilter tank. Poly-	ss
Pumping Station at Water Treatment Plant Plant Plant Constant of the second of the sec	Lime Alum	Colloid chemica and sludg down to th tank. Th clear w to fi	I reacts with ils to form floc ie. Sludge sink ne bottom of th nen the upper water flows ilter tank. Poly- ectrolyte	ss

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Service Performance of Branch Offices

					W			
Branch Office	Service Area	Customer	New Connection	Water Production	Water Sales	Others	Total	Pipe Length
	Sq.km.	Connection	Connection	Million cu.m.	Million cu.m.	Million cu.m.	Million cu.m.	Km.
Region 1	474.41	431,081	14,994	442.965	335.478	5.471	340.949	6,702.729
Sukhumvit	94.46	116,982	3,469	134.440	104.411	1.564	105.975	1,896.257
Phra Khanong	118.58	136,042	4,603	129.150	93.413	2.754	96.167	2,166.388
Samut Prakan	261.37	178,057	6,922	179.375	137.654	1.153	138.807	2,640.084
Region 2	226.32	390,343	5,221	426.990	336.147	4.473	340.620	5,442.928
Phaya Thai	60.91	88,281	1,134	127.117	95.639	1.776	97.415	1,389.315
Thung Mahamek	31.86	72,394	501	82.615	63.756	0.747	64.503	728.734
Mansri	35.81	70,340	691	114.081	90.938	1.338	92.276	827.199
Lat Phrao	97.75	159,328	2,895	103.177	85.814	0.612	86.426	2,497.680
Region 3	726.73	460,662	21,048	317.491	265.132	2.799	267.931	8,022.404
Prachachuen	77.87	110,768	2,590	79.694	64.084	0.545	64.629	1,571.012
Bang Khen	80.99	114,127	4,120	65.222	52.092	0.811	52.903	1,689.954
Min Buri	277.11	141,131	7,134	71.479	62.783	0.220	63.003	2,691.524
Suvarnabhumi	290.76	94,636	7,204	101.096	86.173	1.223	87.396	2,069.914
Region 4	513.60	567,279	15,033	445.185	291.853	9.096	300.949	7,428.578
Bangkok Noi	111.76	131,782	2,054	104.949	68.433	2.488	70.921	1,821.425
Taksin	111.57	150,841	3,606	121.138	81.317	2.057	83.374	1,828.073
Phasi Charoen	127.83	159,505	4,557	115.856	74.805	2.668	77.473	1,638.090
Suksawat	162.43	125,151	4,816	103.242	67.298	1.883	69.181	2,140.990
Region 5	413.13	377,342	16,569	202.503	154.034	1.861	155.895	5,590.123
Nonthaburi	91.96	124,837	2,909	84.585	67.311	0.890	68.201	1,789.038
Bang Bua Thong	173.55	118,038	6,223	52.400	39.403	0.340	39.743	1,841.587
Mahasawat	147.62	134,467	7,437	65.518	47.320	0.631	47.951	1,959.498
Grand Total	2,354.19	2,226,707	72,865	1,835.134	1,382.644	23.700	1,406.344	33,186.761



Awards of Our Pride

International Awards



Mexico Water Prize 2015 in 7th World Water Forum

0





Asia Responsible Entrepreneurship Awards (AREA) 2015

National Awards





Pipeline Length and Equipment

Type and Dia. Size (mm.)					
	ST	SCP	RCP	CI	PC-ST
Tunnel and Conduit					
3,400	10.367				6.582
3,200	40.846				
3,000	16.286				
2,800	0.070				17.624
2,500	11.980				5.331
2,300	19.497				1.755
2,000	36.801				2.623
1,500	7.289				
Total in Transmission System	143.135				33.915
Trunk Main					
1,800	12.559	0.676			
1,500	84.947	11.070	10.316		
1,200	132.610	14.646	1.960		0.354
1,000	514.011	10.994	32.186	12.937	4.532
900	29.964			20.166	3.128
800	452.561	0.121	0.148	8.958	5.373
700	40.970			11.000	8.118
600	158.196		0.009	15.806	8.921
500	35.488			19.494	13.886
Total in Trunk Main	1,461.306	37.506	44.619	88.361	44.310
Distribution Pipe					
400	37.602			6.693	
300	229.378			2.459	
250	1.994			1.183	
200	86.069			2.562	
150	100.740			0.297	
100	4.191			1.312	
Total in Distribution Pipe	459.974			14.505	
Total in Transmission and Distribution System	2,064.415	37.506	44.619	102.866	78.225

Remarks: Length of distribution pipeline excluding service pipe (1/2" - 3" size)

Fire Hydrant 150 mm. Size28,266 UnitsGate Valve128,927 UnitsButterfly Valve2,678 Units

Pipe Ler	Pipe Length (km.) classified by Type					
PC	AC	DI	PVC	GI	HDPE	Total
						16.949
						40.846
						16.286
7.500						25.193
0.841						18.152
						21.252
5.530						44.954
						7.289
13.843						190.921
						13.234
						106.332
		0.013				149.583
		0.092				574.751
					0.269	53.526
		0.530			8.355	476.047
						60.088
	3.786	2.700			0.210	189.628
	3.090					71.957
	6.876	3.335			8.835	1,695.148
	122.565		104.264		0.159	271.282
	1,472.990		3,887.781		14.318	5,606.925
	20.970		0.895			25.042
	564.454		3,828.110		8.844	4,490.040
	1,086.008		7,850.450	27.907	25.566	9,090.968
	381.051		11,155.586	243.801	30.493	11,816.436
	3,648.039		26,827.087	271.708	79.379	31,300.692
13.843	3,654.914	3.335	26,827.087	271.708	88.214	33,186.761



Good Corporate Governance

Good Corporate Governance Policy

MWA Board of Directors has strictly adhered to the good corporate governance principles in operating the business and has set a clear CG Policy since 2006 in accordance with Corporate Governance Principles and Guidelines for Sate Enterprise 2009 and the Stock Exchange of Thailand (SET) Corporate Governance Principles. The MWA has adopted CG policy as the core framework in promoting efficient operations based on moral, ethics and responsibility towards society and environment, resulting in the corporate success and sustainable growth.

On account of continuous good corporate governancebased operation, MWA has achieved outstanding performance and won numerous awards as follows:

- The second place in Mexico Water Prize 2015 from Mexico government for best practices in water supply and sanitary management such as water production, wastewater treatment in order to promote sustainability of water resource management and to enhance revenue or value-added to the organization.
- Thailand ICT Excellence Awards 2015 for Business Enabler Projects from "Customer Relation Management Project"
- Asia Responsible Entrepreneurship Awards 2015 (AREA) in the Investment in People Award Category from "The MWA Plumbers for People Project - 2Ps"
- "Good People, Good Deeds for the Nation 2015 (Khon Dee Kwam Dee Tankhunpaendin)" in State Enterprise Management category of One Million Good Deed Seedlings for the King Project, Thai Society Foundation, Thai Award Committee
- State-Owned Enterprise (SOE) Awards 2015 for outstanding performance in terms of social and environment responsibility through "The MWA Plumbers for People Project-2Ps"



MWA Good Corporate Governance

The MWA Good Corporate Governance consists of 6 principles, which are used as a guideline for management and operation to create organizational stability and equitable treatment of stakeholders as follows:

The Rule of Law

MWA has set of clear and fair rules and regulations and fair implementation with equitable treatment of all parties concerned. The authority refrains from any action that suggests double standard. At the same time, it ensures that its operations are within the framework of rules and regulations and timeframe and that there is no abuse of authority power. Respect on rights and freedom is always valued at MWA while rules and regulations are always updated to reflect the current situation.

Virtue

MWA strictly adheres to operation virtue in order to be role model for the society as well as supports and encourages people's self-development to create society of integrity, sincerity, toleration, discipline, and honesty together with refraining from corrupted activities, and working in collaboration with all employees in preventing corrupted acts in the organization.

Transparency

MWA ensures transparent administration and operations in all areas, including clear and transparent work process, audit process, and straightforward, accurate, transparent and timely disclosure of information

Participation

MWA offers equal opportunity for employees to participate in the administration and management recommendation, decision making and resource allocating which matters to the business operation, employees, and employers. The MWA also provides information, gives recommendations, takes employee's opinions into account and allows them to participate in planning, plan execution, and stakeholders' control.

Accountability

MWA is aware of its right and duties and stresses an importance of being responsible, attentive and enthusiastic in solving problems as well as willing and prepared for audit and evaluation. This truly reflects its responsibility towards stakeholders and accountability for operational consequences.



Efficiency & Effectiveness

MWA adheres to efficient and effective management, optimization of existing resources for the best benefits of the organization, quality and competitive products and services, and social and environmental responsibility. Key performance indicators are set and the performance appraisal is conducted by a recognized independent organization or persons.

MWA has strictly adhered to the good corporate governance principles in operating the business and encouraged anticorruption, e.g. forming MWA's Corporate Good Governance Network against Corruption and MWA Prevention and Suppression of Corruption Center which perform to prevent and suppress any corruption activities in the organization in response to the National Strategy on anti-corruption and the governmental policies towards good governance. Additionally, the formations are targeted to create the network in collaboration with the Anti-corruption Center Ministry of Interior to drive the execution of action plans and other measures. The MWA Prevention and Suppression of Corruption Center is in location the MWA Information Center on the first floor of MWA head office building. Any corruption behaviors can be reported through various channels such as Moral Box, telephone, facsimile, Internet and intranet system, etc.

Structure of Board of Directors

According to the Metropolitan Waterworks Authority Act, B.E. 2510, the Board of Directors shall consist of the chairman and no fewer than 9 but no more than 13 directors, and the Governor is a director by position. The Board of Directors shall be appointed by the Cabinet and stay in the office for three years. (If a director leaves the office, a replacement shall be appointed and the person shall stay in the office for the remaining period of the term of the director replaced).

• Present Board of Directors comprises 13 directors (as of 30 September 2015)

- 2 are directors from Directors' Pool
- 9 are independent directors

All of them have the knowledge and experience that benefit the MWA, and come from different backgrounds, such as engineering, business administration, law and political science. This complies with the Metropolitan Waterworks Authority Act B.E. 2510 and good corporate governance principle.

Board of Directors and Executives Checks and Balances

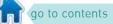
Pursuant to the Metropolitan Waterworks Authority Act B.E. 2510 and the good corporate governance, duties of the Board of Directors and the Management are clearly separated. The Board of Directors is responsible for formulating policy, overseeing the operations of MWA and monitoring the performance and appraising the Governor. The Governor is responsible for managing and overseeing the operations of MWA to ensure that the authority performs its duties as required by laws and regulations as well as the policy formulated by the Board of Directors. The Governor shall report directly to the Board of Directors.

Leadership and Vision

1. Formulating policy for MWA to achieve efficiency and effectiveness by considering sustainable operations such as

- The 9th Bangkok Water Supply Improvement Project
- The Papa Drinking Water project
- Water Safety Plan
- Thai Waterworks Museum Project
- Amendment to the Metropolitan Waterworks Authority Act
- Building of an earthen ridge to prevent flood throughout water canal permanently
- Improvement of public service and organization's image
- Survey on the Needs of Water in High Rise Building Areas
- Demand Side Management : DSM
- Water Loss Management and Transmission System
 Maintenance
- Enhancement of Management and stabilization of raw water sources
- Expansion of Areas Where Quality Water Supply is Sustainably and Sufficiently Provided with Service Coverage
- MWA Anti-Corruption Project
- Personnel Training for executive
- Survey on the Needs of Water in High Rise Building Areas
- Construction of MWA Waterworks Institute for AEC
- Information Technology Management in MWA
- Preparing for solutions against drought crisis

2. Working with the management in formulating corporate strategies in order to create added value for MWA. In 2015, the



Board of Directors organized workshops, seminars and study visit with the management as follows:

2.1 Surveying the water diversion route from the West to the North, with the executives of Royal Irrigation Department, to review the background and process of water diversion in order to find the solutions against drought crisis in the following year on 1 October 2014.

2.2 Mr. Charoen Passara, MWA Chairman, was the president of the lecture "Thailand's Readiness for the ASEAN Economic Community(AEC)" led by Mr. Arin Jira, MWA Director as a keynote speaker to provide beneficial knowledge regarding the readiness for the change prior to the entry of AEC, on 20 October 2014.

2.3 Observing the water management at Chao Phraya Dam in Chinat to monitor and inspect the downstream drainage condition in order to work in collaboration with the executives of Royal Irrigation Department to solve upcoming drought situation in 2015, on 22 October 2014

2.4 Meeting with a group of executives of Geo-Informatics and Space Technology Development Agency (GISTDA) to set the framework for Memorandum of Understanding (MOU) concerning the collaboration to enhance the efficiency of the organization's administration and service quality to improve people's lives through the implementation of space technology, on 19 November 2014

2.5 Visiting Mahasawat and Thonburi Water Treatment Plant and meeting with Water Production and Transmission Department and Western Services Department to update the progress of the 8th and 9th Water Supply Improvement Project, water loss management in the West, the connection of water transmission and distribution system of Mahasawat Water Treatment Plant, and the relocation from Bangkok Noi branch office to Thonburi Water Treatment Plant. In this event, Board of Directors provided guidelines as well as accelerated the project execution in order to perfectly meet the designated deadlines and prepare for drought crisis in 2015 together with the higher demand of water consumption, held on 25 November 2014.

2.6 Surveying and following up the salinity level in Chao Phraya River in Klong Ladpho Water Gate area, Sirirat Hospital; meeting and discussing with the Director of Water Allocation and Maintenance Division, the Royal Irrigation Department, as well as a group of researchers from King Mongkut's University of Technology Thonburi in order to measure salinity level in Chao Phraya River. The obtained result was close to that of MWA and the watch on the high seawater intrusion in January 2015 was conducted by the cooperation of three agencies.

2.7 Attending "Framework Setting for Efficiency Enhancement of Water Loss Reduction Seminar (Operation Level) on 24 December 2014

2.8 Discussing with the MWA Chairman of the Board of Directors, held at the meeting room 606, on waterworks distribution guidelines in the connected areas of MWA and PWA, which is considered the work integration between state agencies, based on the policy of Ministry of Interior, to provide information regarding waterworks for consumption, held on 10 February 2015

2.9 Working in collaboration with the Director of the Office of Water Management and Hydrology, Royal Irrigation Department, to take the press team from various different sources on the survey boat to witness the salinity measurement in the center of Chao Phraya River, covering from Royal irrigation Department on Samsen Road to Klong Ladpho Water Gate and participating in the press conference on an awareness of drought situation. The salinity measurement station, monitored by Royal Irrigation Department, was working to get the test result from Chao Phraya River for 24 hours and operating to drain water of 6 millions cubic meter per day from Chao Phraya Dam and Rama 6 Dam in order to push seawater effectively. In drought season of 2015, it was firmly guaranteed that the water production was carried out regularly until May 2015 due to the availability of quality raw water.

2.10 Attending the keynote lecture led by the Chairman of the Cabell Brand Center for Global Poverty and Resource Sustainability Studies, USA. on "Potable Water : Emerging Challenges and Opportunities", stressing on 3 main water management principles which are Water Production, Water Treatment and Water Solutions, held on 27 January 2015

2.11 Attending workshop on establishing case study for MWA's raw water sourcing strategy to raise opinions on setting





topics for consulting organization to thoroughly study over multiple issues associated with MWA's raw water sources , held at Piyarat meeting room, MWA Head Office on 31 March 2015.

2.12 Workshops for MWA Board of Directors, the MWA Governor and top executives on review of MWA Strategic Plan No. 3 (2012-2016) and the action plan for the fiscal year 2016, held at Piyarat meeting room, MWA Head Office on 2 June 2015.

2.13 Discussing on approval request guidelines and considering the study results of appropriate investment in the 9th Water Supply Improvement Project as well as the construction framework of the new water treatment plant (Sainoi), held on 24 June 2015. In the event, the consideration and study on future water tariff structure revision was included in the discussion.

3. Regularly supervising and monitoring the operational performance towards finance and the progress of significant projects



particularly to create effective budget disbursement. Non-financial activities involving five core business management principles: risk management, internal audit, internal control, human resources management, and IT Management along with financial management, financial report, Corporate Governance policy (CG) and Corporate Social Responsibility (CSR) were taken into account. The suggestions along with notices obtained from the consideration were passed on to the executives in order for them to execute business plans effectively and efficiently all year long. In fiscal year 2015, the MWA's overall performance Agreement under Ministry of Finance, while well responding to the related governmental policies.

4. Visiting different operation units and providing suggestions on how to improve performance such as Minburi and Suvarnabhumi Water Office Branches, Bangkhen Water Treatment Plant, Mahasawat and Thonburi Water Treatment Plant, the Integrated Water Quality Center, the Water Quality Division.

5. Encouraging various activities in order to support corporate development, such as MWA CG & CSR Day, KM Day, and Excellent Risk Management Contest.



Meetings

The MWA Board of Directors scheduled meeting for the entire calendar year in advance. Meetings were scheduled for at least once a month, on every last Tuesday of the month. Extraordinary meetings may also be scheduled as necessary. The Office of MWA Board of Directors, as Secretary, prepared and distributed meeting invitations, agendas and documents to the Board of Directors. In 2015, the Board of Directors regularly convened 12 ordinary meetings.

(Details of attendance of each director are on page 84-85 of the Annual Report)

There were 13 additional workshops and practical seminars with the executives to set the direction of strategic operation and future operating plans for MWA.

The Board of Directors received the agenda and document approximately seven days prior to the meeting, so there was sufficient time for studying the matters. In every Board of Directors meeting, the directors had the opportunity to express their opinions openly and independently. Directors who might have conflict of interest on a particular agenda had to leave the meeting room until consideration ends. For instance, in appraising the performance of the MWA Governor, the Governor left the room. The minutes of meeting was taken and the opinions and observations of the directors were recorded in writing. The minutes which had already been approved were kept for review by directors and concerned persons.

In addition, the Board of Directors invited the Deputy Governors to attend the meeting to provide information useful for the Board of Directors' consideration and to acknowledge the given policies directly so as to put them into practices accurately and promptly. Exceptions applied for some agenda where the Board of Directors convened without the presence of the management to maintain full independence.

The Appointment of Committees and Subcommittees

In fiscal year 2015, the MWA Board of Directors appointed 11 committees and subcommittees to help screen significant projects on behalf of the Board of Directors. Details of the composition and scope of responsibility of each committee and subcommittee are on page 79-82 of the Annual Report. Besides, some important subcommittees have prepared charters of duty and responsibility which comply with the MWA's good corporate governance policy.

Remuneration of the MWA Board of Directors, Committees and Subcommittees

Remuneration

- The Board of Directors shall receive monthly remuneration and meeting allowances as follows:
 - Directors shall receive remuneration of not more than 10,000 baht per month. If a director stays in office for less than a full month, the remuneration shall be paid on a pro rata basis. The Chairman shall receive two times the amount received by a director (20,000 baht per month);
 - Meeting allowance of not more than 10,000 baht per month for directors who attend the meeting only. The meeting shall not exceed once a month.
- A director appointed as a director of committee/ subcommittee/ working committee shall receive meeting allowance per meeting at the rate equal to MWA directors for meeting attended. Each director shall not receive allowances for more than two committees and not more than once per month per committee.

- Members of the Audit committee of MWA shall receive remuneration as audit directors at a fixed monthly rate equal to meeting allowance of MWA Board of Directors.
- Members of Corporate Affairs Committee shall receive meeting allowances per meeting at the rate of not more than 3,000 baht per person only when attending the meeting.
- The Chairman shall receive 25% higher meeting allowance than a director (12,500 baht) and the Vice Chairman shall receive 12.5% higher meeting allowance than a director (11,250 baht). The directors shall be responsible for the income tax.
- The directors shall attend at least 60% of the meeting throughout his/her term in that fiscal year.

Bonus

The Chairman and Directors are entitled to bonus in accordance with the regulations of the Cabinet. Bonus allocation will be made after the review and approval of the Office of the Auditor General of Thailand and approval by the State Enterprise Policy Office (SEPO). The MWA will then allocate net profit as bonus to Directors under the following conditions:

SEPO bonus rate of allocated in accordance with the net profit as follows:

Net Profit (Million Baht)	Bonus (Baht/Person)
Not more than 100	3% of net profit but not more than 60,000 baht
100 - 300	65,000
More than 300 - 500	70,000
More than 500 - 700	75,000
More than 700 - 1,000	80,000
More than 1,000 - 2,000	90,000
More than 2,000 - 5,000	100,000
More than 5,000 - 8,000	110,000
More than 8,000 - 11,000	120,000
More than11,000 -13,000	130,000
Every additional 2,000	Additional 10,000

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The Chairman and the Vice Chairman shall receive 25% and 12.5% higher bonus than the Directors respectively.

2. State Enterprise which can allocate bonus for employees when there is net profit for allocation shall allocate bonus to the Directors based on appraisal results as follows:

Appraisal Result (Score)	Bonus Allocation Received by the Director (Baht/Person/Year)		
5.00 (Excellent)	Bonus base + 100% of base		
4.50	Bonus base + 75% of base		
4.00 (Very Good)	Bonus base + 50% of base		
3.50	Bonus base + 25% of base		
3.00 (Good)	Bonus base		
2.50	Bonus base - 25% of base		
2. 0 0 (Fair)	Bonus base - 50% of base		
1.50	No bonus		
1.00 (Poor)	No bonus		

Criteria

1. Bonus allocation shall be made only after the MWA remits the accrued remittance to the Ministry of Finance or obtains approval from the State Enterprise Policy Office to pay in installment at fixed schedule.

2. The net profit calculation for bonus allocation shall be indicated by the State Enterprise Policy Office, Ministry of Finance.

3. The Directors receiving bonus shall be responsible for the income tax.

In the fiscal year, if the Director is absent from the meeting for more than 3 months, bonus allocation on shall be paid according to these criteria:

- More than 3-month absence, but not more than 6 months, the bonus shall be decreased by 25%
- More than 6-month absence, but not more than 9 months, the bonus shall be decreased by 50%
- More than 9-month absence, the bonus shall be decreased by 75%

Remuneration of Governor and Top Executives

 The Governor of MWA is appointed through a recruitment process. The contract term is four years. The Governor receives remuneration as considered and approved by the Board of Directors, depending on his/her knowledge, capability, responsibility and the MWA's ability to pay within the remuneration framework.

The current Governor, Mr. Thanasak Watanathana (contract period from 5 November 2013 to 1 April 2017) received fixed remuneration of 381,791.67 baht per month in fiscal year 2015 along with other benefits as stated in the employment contract. The Governance's Performance Appraisal Subcommittee considered the Governor's performance and resolved that the Governance passed all the appraisal and performance criteria. As a result, the Governor received the remuneration in accordance with the appraisal result of 1,718,062.50 baht per year and additional fixed monthly remuneration from October 2015 of 416,152.92 baht per month.

 Remuneration of Deputy Governors and Equivalents The remuneration is pursuant to the Ministry of Labor's salary structure (58 levels). The remuneration of Deputy Governors and Equivalents is no more than 113,520 baht. There are also other benefits, both in financial and non-financial terms, including entertainment allowance, bonus, car allowance and other benefits according to the MWA regulations.

	Unit : Million Baht		
Remuneration	2015	2014	2013
Remuneration of Governor	7.75	5.12	3.43
Remuneration of Deputy Governor and Equivalents	31.15	30.28	19.13
Total	38.90	35.40	22.56

Director Development and Self-Assessment of MWA Board of Directors

Director Development through Training Courses that Benefit Directors' Performance

The Board of Directors is aware of the importance of training courses which help develop the directors' knowledge and skills useful for MWA operation improvement and its future growth. In 2015, there were six directors attending training courses/seminars as follows:

Director	Course
1. Associate Professor Suwatana Chittaladakorn, Ph.D.	 Corporate Governance for Board of Directors and Top Executives of Public Enterprise (Class PDI 13), 22 April 2015 - 6 June 2015
2. Assistant Professor Teekawuth Potapirom	 Director Certification Program" Class DCP 209/2015, Thai Institute of Directors Association (IOD), 29 June 2015
3. Vice Admiral Nadaecho Kerdchoochuen	 Director Certification Program" Class DCP 209/2015, Thai Institute of Directors Association (IOD), 29 June 2015
4. Mr. Bowon Vongsinudom	 Director Certification Program" Class DCP 209/2015, Thai Institute of Directors Association (IOD), 29 June 2015
5. Mr. Nattakit Tangpoonsinthana	Corporate Governance for Board of Directors and Top Executives of Public Enterprise (Class PDI 13), 22 April 2015 - 6 June 2015
6. Associate Professor Chanin Tinnachote, Ph.D.	 Corporate Governance for Board of Directors and Top Executives of Public Enterprise (Class PDI 13), 22 April 2015 - 6 June 2015 Risk Management Program for Corporate Leaders (Class RCL 1/2015, Thai Institute of Directors Association (IOD), 6 and 13 July 2015





Seminars and Training Courses Beneficial for Governance and Duty Performance such as

- Study visit on water management at Chao Phraya Dam in Chinat to monitor and inspect the downstream drainage condition and discuss with the executives of Royal Irrigation Department to find the solutions against drought crisis in 2015, 22 October 2014
- Seminar on Construction Sector Transparency Initiative in Public Construction (CoST), at Centara Grand at Central Plaza Ladprao, in which the Finance Minister, British Ambassador to Thailand, Top officials, attendants, along with involved agencies were attending and Prime Minister Gen Prayut Chan-o-cha was presenting as the president of the event, 6 March 2015
- Study visit on oil production and refinement system at PTT Global Chemical (PLC) or PTTGC in Rayong, and site visit at PTT Operation Center to study the natural gas transmission system, 20 July 2015
- Study visit at ThaThai Co., Ltd., the major manufacturer and supplier of Aluminium Sulphate (alum) for the four treatment plants of MWA, on production and management processes in terms of quality control as well as quantity of raw water used in the production to ensure that the company, with its effective operation and risk management plans, has capability of carrying out consistent Aluminium Sulphate production to continuously support MWA's operation, 30 September 2015

Directors Orientation

In fiscal year 2015, the appointment of additional chairman and directors in the MWA was proposed to the Secretariat of the Cabinet prior to the approval of the Cabinet. Four chairman and directors were appointed on 9 December 2014, namely Mr. Vullop Phringphong, Mr. Kwanchai Wongnitikorn, Mr. Somsak Suwansujarit and Associate Professor Chanin Tinnachote, Ph.D. The Secretary to the Board of Directors, therefore, provided the newly appointed directors with the following related information and documents in order to inform them about the MWA operation.

- 1. MWA Board of Directors' Manual
- 2. MWA Act and MWA Regulations
- MWA Strategic Plan No.3 (2012 2016) and Action Plan 2015
- 4. Annual Report 2014
- Report on Assets and Liabilities Form, which has to be submitted to the National Anti-Corruption Commission (Within 30 days after being appointed to the office)
- Independence Certification Form and Report on Conflict of Interest Form
- 7. Report on disclosure of securities and connected transactions of the MWA Board of Directors Form

Board of Directors Performance Appraisal

The MWA Board of Directors undergoes two types of self appraisal Board Evaluation and self of Aassessment. In 2015, the Board of Directors conducted two appraisals in April 2015 and September 2015. The assessment results were analyzed and guidelines for performance improvement were suggested. This, therefore, made the appraisal more useful and valuable.

The 1st Appraisal

The MWA Board of Directors assessment on 28 April 2015

Board Evaluation

The overall performance result of the entire Board of Directors is 119.43, equivalent to 95.54% (out of 125), which is excellent.

Self Assessment

The overall performance result of the Board of Directors' self assessment (individually) is 109.79, equivalent to 95.47% (out of 115), which is excellent.

The 2nd Appraisal

The MWA Board of Directors assessment on 29 September 2015

Board Evaluation

The overall performance result of the entire Board of Directors is 117.00, equivalent to 91.53% (out of 125), which is excellent.



Self Assessment

The overall performance result of the Board of Directors' self assessment (individually) is 108.07, equivalent to 90.53 % (out of 115), which is excellent.

The 5 assessed aspects with the lowest results were included in the MWA Committee's action plans after the review and consideration of the MWA Committee.

In addition, the main Committee and Subcommittee, such as the Audit Committee, the Risk Management Subcommittee, the Relations Affairs Committee, and the CG and CSR Subcommittee also conducted both types of assessment. Results from the appraisal were used for further improvement of their performance competency.

Conflict of Interest Management

The MWA Board of Directors stresses the importance of prudent and transparent conflict of interest management. Criteria and Directions on conflict of interest management have been included in the Corporate Governance Policy, requiring the directors, executives and employees to unveil significant information to prevent direct and indirect conflict of interest between employees and the MWA. Conflict of interest is reported on a specified form to the higher level supervisor at end of the fiscal year. During the fiscal year, if there is any issue that is suspected to involve conflict of interest, the matter shall be immediately brought to superiors' attention. The Audit Office is responsible for preparing summary of conflict of interest report of the entire organization. In fiscal year 2015, the MWA Conflict of Interest Order was revised in order to improve the efficiency and standard of the conflict of interest reports. In fiscal year 2015, the Board of Directors, executives and employees complied with the conflict of interest criteria and guidelines and no conflict of interest was found.

With respect to the connected transactions which may cause conflict of interest and may lead to transfer of the organization's benefits, there will be inspection of the procurement process of direct and indirect interest between bidders, either natural person, juristic person, or central market in order to find any administrative relation, investment relation, or cross-management and investment. According to the Internal Audit Office's review of relations between the contractors and MWA employees who involved in the procurement process, no conflict of interest of related issue was found in 2015.

Details of Important Securities Held by Directors and Related to MWA and Connected Transactions to MWA

MWA has prepared a form for disclosure of securities (shares) and connected transactions for the Board of Directors to disclose to the public. The information as of 30 September 2015 can be summarized as follows:





Name	Shareholding in juristic person related to core business	Related juristic person	Being a director/top executive in other state enterprises/ juristic persons		
Chairman and Independent Director			Chairman	Director	Executive
1. Mr. Chareon Passara	-	-	-	~	-
Director and Independent Director					
2. Vadm. Nadaecho Kerdchoochuen	-	-	-	-	-
3. Gen. Veerun Chantasatkosol	-	-	-	-	-
4. Assoc. Prof. Suwatana Chittaladakorn, Ph.D.	-	-	-	-	-
5. Mr. Bowon Vongsinudom	-	-	~	-	-
6. Mr. Vudhibhongse Vibulyawongse	-	-	-	-	-
7. Asst.Prof. Teekawuth Potapirom	-	-	-	-	-
8. Mr. Nattakit Tangpoonsinthana	-	-	-	-	~
9. Mr. Vullop Phringphong	-	-	-	-	-
10. Mr. Somsak Suwansujarit	-	-	-	-	-
11. Assoc.Prof. Chanin Tinnachote, Ph.D.	-	-	-	~	-
Director, Representative of Ministry of Finance					
12. Mr. Manas Jamveha	-	-	-	~	-
Director and Governor					
13. Mr. Thanasak Watanathana	-	-	~	~	-

Remarks: The MWA has no subsidiaries or associates

Number 1	:	Advisory Director, Thai Waterwork Association
Number 5	:	Chairman, Water Institute for Sustainability, the Federation of Thai Industrial
Number 8	:	Executive Vice President, Marketing Department, Central Pattana PLC.
Number 11	:	Executive Director, Geo-Informatics and Space Technology Development Agency (Public Organization)
		Director, Eastern Water Resources Development and Management PLC.
		Director, Surveying and Mapping Society of Thailand
Number 12	:	Director, Bank for Agriculture and Agricultural Co-operatives
		Director, PTT Exploration and Production (PLC)
Number 13	:	President of Thai Waterwork Association
		Director to the College of Waterworks Establishment Committee
		Director, Thai-Myanmar Cultural and Economic Cooperation Association

Definitions

1. Securities holding (shareholding) in a juristic person related to the core business: shareholding of MWA directors in a juristic person related to the core business of MWA in the percentage exceeding 10 percent of the total shares with voting rights.

2. Juristic persons related to MWA directors: a juristic person which has or is likely to have a transaction activity related to MWA where the spouse, minor child/adopted child of the MWA directors has control over on one of the following cases: holding shares with voting rights exceeding 50 percent of all voting rights; or having controlling power in the majority of votes in shareholders meeting; or having controlling power in the appointment or removal of at least half of all directors.

MWA Code of Ethics

To express the intention in operating the business with transparency, moral principles and responsibility towards stakeholders, MWA Board of Directors thus set MWA Code of Ethics in accordance with the Metropolitan Waterworks Act No. 133 on ethics of MWA Governor and Employees B.E.2552 dated 28 December 2009. MWA Code of Ethics has been issued to ensure that all stakeholders receive fair treatment, and has been distributed to all to be used as practice guidelines for directors, executives, employees and contract laborers. If there are proofs in case of a breach, or the Code of Ethics are not followed, disciplinary actions shall be considered regarding to Metropolitan Waterworks Act. In fiscal year 2015, MWA has been prepared Metropolitan Waterworks Act No.27 regarding Ethics Standard B.E.2558 to make ethical operation in MWA go well, efficient, and more transparent in actions.

Relationship between the Board of Directors and Stakeholders

With commitment to ensuring good treatment of all stakeholders, that is, the Government, customers, partners/ creditors, and employees as well as to social and environmental responsibility, a set of guidelines has been included in the MWA Operational Ethics, and CG and CSR Operational Plan. The guidelines set forth the responsibilities to the stakeholders as follows:

Government

- Following the Government policies, or the autherized persons, and reporting the operational performance and situations frequently, completely, and truthfully.
- 2. Operating with integrity, morality, and good conscience.
- 3. Managing resources of the organization to make the best use of them and enhancing the organization performance for future growth.

Customers

- 1. Providing quality products and services with fair prices and less concentrating on making financial profits.
- 2. Treating all customers equally with justice, transparency, service mind, courtesy, and good human relations.
- Offering conveniences to the customers in every aspect such as fast and easy ways for new water connection request and various bill payment methods.
- 4. Installing pipelines and plumbing.

Partners/Creditors

- 1. Strictly complying with all conditions agreed upon the creditors. No infringement to the creditors.
- Urgently reporting partners/creditors upfront in order to find solutions together, in case of failing to follow the agreed conditions.
- 3. Being fair and equal to all partners/creditors.
- 4. No requesting, receiving, or giving unfair benefits to partners/creditors.
- 5. Providing partners with appropriate assistance to complete the agreed commitment.

Employees

- 1. Providing fair compensation and benefits to employees and setting a clear Code of Conduct for employees.
- Maintaining good working environment to ensure the safety of the employees' well-being and property.
- Focusing on the employees' knowledge and skills development.
- Managing the operation without unfair actions which might affect the employees' career stability.
- Encouraging employees to strictly follow the Code of Ethics.
- Arranging projects or guidelines towards anti-corruption and supporting activities which promote and cherish employees to follow the related law and regulations.

In fiscal year 2015, the operations in promoting relationship with the stakeholders are as followed:

Government: the policy of the Government and the Ministry of Interior in the various areas.

- Brought back happiness to the nation according to the policies National Council for Peace and Order (NCPO) in celebrating the 100th anniversary of Metropolitan Waterworks Authority by reducing the water meter fee for 4-inch and 6-inch pipe installation for all types of water use by 10% from 1 October 2014 - 30 September 2016.
- · Respond to the policy of the Ministry of Interior in returning happiness and smile to people of Thailand as a New Year gift such as expanding service area so that every household has water supply system thoroughly by accelerating to set up pipelines in the marginal areas without waterworks, providing 10% discount for new water connection together with paying water fee in installment particularly for low income people. There were also free services such as inner tube leak examination in case of unusually high water bill, shorter implementation time to satisfy people with more convenience and faster service. For example, the customer, as a general resident, requesting for new water connection which the main pipe is available can finish his/her request process within 1 working day (Previously 3 days required) after the payment is made. Also, paying for water supply at a MWA branch office can be done within 3 minutes per bill and the broken pipe repair (external) can be completed in 24 hours after being notified.
- Joined the "Clean City Happy Citizen" campaign with the Ministry of Interior at Bhirombhakdi Hall, Palm Park, Lumphini Park as the Prime Minister was acting as the President to open the ceremony. In the same day, MWA has responded to the policies "Clean city. Happy citizen." by cleaning Phra Khanong branch office and disposing solid and hazardous waste on 4 November 2014.
- Launched "People and Public Sector Unite to Combat Drought" Project on 28 January 2015 at the Military Base, with aims to help and relieve the suffering of people affected by the drought crisis across the country.

- Held "100 Years of Thai Waterworks. Revive the Forest" event. This activity was organized to coincide with the project "Clean City, Clean Water" from Ministry of Interior stressing on raising an awareness to all employees to save the environment on Friday, 14 November 2014 at the mangroves, Bang Poo, Samut Prakarn. Five hundreds of mangrove seedlings were planted.
- Signed the MOU agreement with the Universal Utilities Co., Ltd. to work in collaboration in developing the waterworks infrastructure, expanding waterworks services thoroughly and equally, reducing water shortage of public according to the policies of the Ministry of Interior: "Reducing inequality. Sharing Happiness." on 10 April 2015, at East Water Building.
- Discussed with the Deputy Governor of Bangkok regarding the development of infrastructure in Bangkok Metropolitan, including improving pipeline planning, or water plumbing, along with improving the roads and sidewalks, and road surface to minimize the impact on traffic in accordance with the policies of Ministry of Interior on 8 June 2015 at Sutat Room, second floor, the City Hall.
- Met the press to clarify the current situation regarding water supply and promoted water saving campaign based on the governmental policies. Water derived from the production of Bangkhen Water Treatment Plant was in recycling process. The event "Help People. Help Nation. Save Water." Was promoted by encouraging people to use water with awareness, held on 20 July 2015 at Water Crisis and Water Quality Help Center, Bangkhen Water Treatment Plant.

Customers: Committed to improve service quality to provide water for consumption thorough the service areas; supported customers at all stages; and put people's suffer away by:

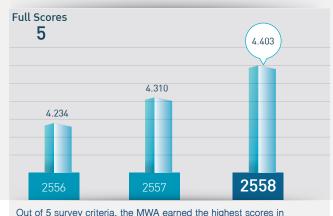
> Added more channels for water users in the digital age with 'MWA On Mobile' application to meet the current public lifestyle by providing notification when the water supply will be out-of-service. Other information includes light flowing water areas, water branch office location, water user data, back-date water used in statistic, water fee, water paying channels, knowledge about using water, and report about break or leak pipes for service request.

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 Offered prizes to new water users who installed waterworks system registered as the customer number 2,222,222 of MWA. The prize is worth 10,000 baht. The winner lives in residential area under the responsibility of the Waterworks Office, Bangkhen branch.

- Offered free service to customers and public in the "MWA meets People" on 22 March 2015 or "World Water Day" to make people aware of the value of water resources and appreciate the value of water by providing basic plumbing maintenance and determining leak pipes in house area for free. The event extended to giving instructions about using water and other activities such as giving souvenirs and doing a survey on water user satisfaction to improve services even further. The activities were held in the areas of 18 branches of MWA office.
- Organized the National Children's Day event at Thai Waterworks Museum and took part of the National Children's Day events in several locations such as Sanarmsuepa, Thai Royal Armed Force, Pre-school Child Development Center, Mirt Samakkee Furn Nakhon Community, and Wat Thang Luang Pho Thong School.
- Provided bottled water and cupped water to support various activities such as releasing the water truck convoy to help victims of drought in Singburi based on the "MWA for the Sufferings" campaign. This activity included examining domestic plumbing system in water users' houses without any charge in compliance with the policy of MWA Governor. Scientists also provided on-field service in "Drink Tap Water" event by growing confidence in the water supply quality to consumers. Another activity was MWA Water Quality Rally Road Show, held in 18 schools in the areas of 18 MWA branch offices.

Suppliers/ Creditors: Made transparent procurement announcements; treated partners according to good governance; and settled the creditors within the time period specified in the agreement. On 2 September 2015, MWA has held a seminar on MWA's operational direction together with the housing operators for the coming decade. There was a signing session for the Memorandum of Understanding (MOU) on "Drive to the Prevention and Suppression on Public Procurement corruption" between MWA and 30 partners to announce the intention to participate in preventing and suppressing corruption for transparency and fairness in accordance of the National Strategy.



Good Corporate Image Survey for MWA

Out of 5 survey criteria, the MWA earned the highest scores in "Reliability and Trustworthiness" in 2015.

Employee: Encouraged to enhance the capacity of employees in all aspects; improved welfare; and provided proper working environment to make everyone happy at work such as organizing Dhamma lectures, seminars on particular knowledge, working inspiration and meditation practice as well as English conversation class focusing on effective phone conversation.

All groups of shareholders may lodge their complaints through the following methods:

Within organization

- A Complaint lodging system and a webboard are available on Intranet.mwa.co.th for employees to raise issues they concern, share constructive opinions and lodge complaints.
- Employees can post their complaints to their trusted superiors at all levels as well as to the MWA Office of the Board of Directors, and the MWA Board of Directors.
- Corruption activities and inappropriate practice can be reported to the MWA Prevention and Suppression of Corruption Center's Moral Box at the Information Center located on the first floor in MWA Head Office, telephone 0 2504 0123 ext. 1608, fax. 0 2503 985, e-mail:anticor@mwa.co.th, Intranet under the subject Internal Complaint Lodging, Corruption and Inappropriate Practice and regular postal service to Corporate Governance Department, Metropolitan Waterworks Authority, 400 Prachacheun Road, Laksi, Bangkok 10210.



Outside organization

- Information center: providing information for employees and the public, either in person or by phone.
- Electronic media (Internet) via the website www.mwa.
 co.th. Complaints can be posted on the webboard or emailed to the governor directly 24 hours at mwagov@ mwa.co.th.
- MWA Call Center 1125 : the call center receives complaints calls from the public. Call Center staffs are stationed 24 hours to provide suggestions and answer questions. The Call Center is connected online to the branch offices and MWA scientists in case there are complaints regarding water quality.
- Clean Water Clinic via the website www.mwa.co.th, Clean Water Clinic blog htttp://cwc.mwa.co.th/ and email: waterclinic@mwa.co.th. The Clean Water Clinic is an academic center providing information on water for health and giving advice to consumers for their better health and hygine.
- Damrongdhama Hotline 1567 and Office of the Permanent Secretary Hotline 1111- complaints received through these two hotlines are immediately transferred to MWA Call Center 1125. There is also Damrongdhama Center of the MWA the Information Center located on the first floor, MWA Head office.
- Comment Boxes are provided at the branch offices. The comments received are useful for MWA operational improvement.
- Complaints can be lodged both in person and in writing directly to the MWA, or through other government agencies such as the Office of the Ombudsman Thailand, or through the mass media.

Disclosure of Information and Transparency

MWA Board of Directors stresses the importance of disclosure of information and operational transparency by conforming to the principle "Disclosure is Obligation; Concealment is Exception". Besides, the MWA Information Committee has been appointed since 1999 to promote good corporate image through accurate, complete and timely disclosure of information which allows all stakeholders to have easy access to the information. The information disclosure includes both financial and non-financial information through various channels including:

- Annual Report and Corporate Social Responsibility
 Report
- The MWA Website: www.mwa.co.th
- Radio and television programs
- Bulletins, pamphlets and brochures
- Newspapers
- Tap Water Journal
- Annual press conference by the Governor to announce past operational performance and future policies or press conference through the interview in case of crisis such as drought
- Information Center
- Trader announcement on procurement
- Smart Phone Application: MWA eService
- Social Media : Facebook, Twitter
- MWA onMobile

Good Corporate Governance and Social and Environmental Responsibility

The MWA Board of Directors has set a policy priority for MWA to be managed under good governance along with Corporate Social & Environmental Responsibility (CSR). This policy has been assigned to the Corporate Good Governance (CG) and Corporate Social and Environment Responsibility (CSR) Subcommittee to establish strategic, goals, and action plans on good governance and CSR. In fiscal year 2015, the main activities were as followed:

1. Making good corporate governance strategy one of the key strategies under the MWA operating plan

2. Establishing the Compliance Unit which was appointed by MWA Board of Directors to study new laws, regulations, and criteria related to the Board of Directors, executives, and member staff. The guidelines derived from the study were posted on MWA CG Website to generate total understanding among officials in the organization

3. Appointing the Ethical Investigation Committee and MWA Code of Conduct Reviewing Committee to review the MWA Good Corporate Governance and MWA Code of Conduct. International CG principles and standard practice in leading domestic and oversea organizations as well as Good Corporate Governance Principle of the State Enterprise Policy Office, Ministry of Finance are taken into account. In fiscal 2015, yhe MWA has created MWA Regulation No. 27 emphasizing on the ethical



standards B.E. 2558 (2015) to ensure that the ethical performance of MWA would be satisfactory with eficiency and measurability. The study on corporate governance principles in leading domestic and oversea organizations was conducted in order for the MWA to apply it within the organizations by making the MWA's principles up-to-dates, suitable for the organization and circumstances and compliant with public administration principles and the law.

4. Relaying the knowledge of corporate governance to all employees to raise their awareness of adopting the CG principles to their work through various channels including CG MAG journal, radio voice, CG MeeDee, CG Delivery, CG articles in the Tap Water Journal, CG quizzes on the MWA's CG website, and monthly CG radio program.

5. Organizing CG exhibition and presentation contests among the 9 MWA operation lines and presenting awards to outstanding presentations on MWA CG & CSR Day event.

 Selecting CG leaders and role models (CG My Idols)
 who played an important role in promoting the ethical value and corporate culture of morals and ethics.

7. Organizing the MWA CG & CSR Day on 20 March 2015. There were exhibitions against corruption and portfolio contest reflecting the commitment to comply with MWA good governance policy. Awards were given to best CG leader and CG role models (CG My Idols) 2015.

8. Incorporating morals and ethics in work orientation courses; setting the course "Good Governance" as part of promotion preparation courses and functional competency development courses. Tests were carried out after the trainings.

 Providing lectures on good governance to employees and organized field trips to 2 renowned organizations to share CG experience and knowledge.

10. Organizing CG Road Show at 6 branch offices and operating units in order to promote good understanding and knowledge of corporate governance. Employees were given full opportunity to express their opinions. The event has significantly increased employees' knowledge and understanding on good corporate governance and their readiness to perform their duties at their best for corporate image enhancement.

11. Promoting MWA Good Corporate Governance and Anti-corruption Network, arranging network seminars and workshops to share opinions regarding fraud and corruption in organization and defining roles of the Network.

12. Setting the organization's transparency index.

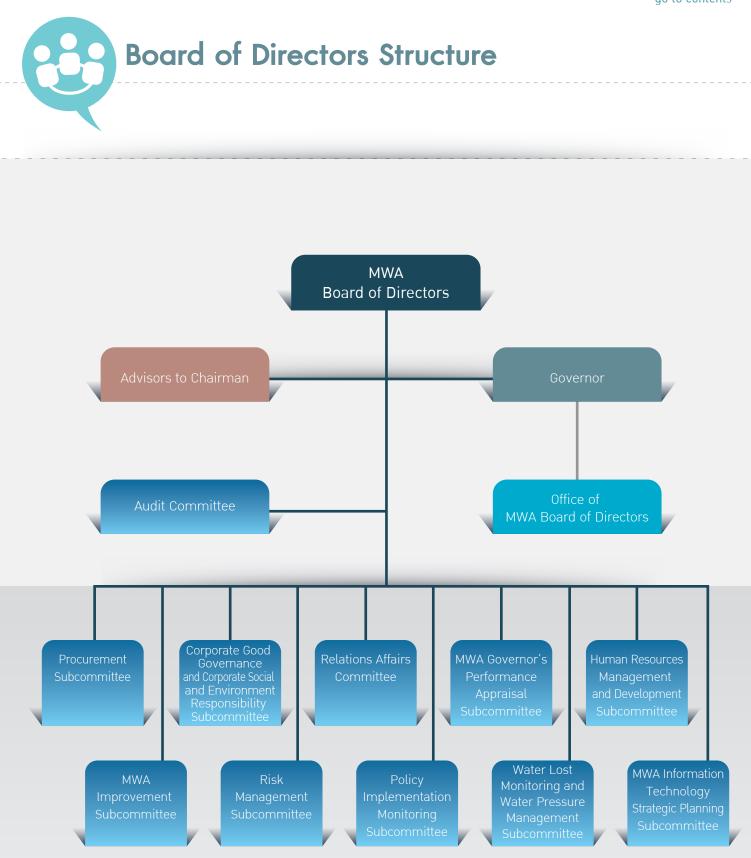
13. Participating in the Integrity and Transparency Assessment (ITA).

14. Currying out comparative analysis of Good Corporate Governance of leading domestic and international organizations.

15. Driving the National Strategy on the Prevention and Suppression of Corruption and the Memorandum of Understanding on cooperation in the prevention and suppression of corruption as follows:

- Establish MWA Prevention and Suppression Corruption Center, at the Information Center on the first floor of MWA Headquarter. Complaints on corruption and misconduct can be reported through the Moral Box, phone, fax, Intranet and Internet of MWA, and so on.
- Sign the MOU agreement between MWA and 30 partners of MWA to drive the prevention and suppression against corruption in governmental procurement and manage procurement operations with transparency and fairness under related laws and regulations.
- Join National Anti-Corruption Day 2015: "Active Citizen. Raise Awareness against Corruption." at Centara Grand at Central World, Bangkok. The event was to promote awareness against corruption and reinforced all social sectors to be participated in changing social values to deny corruption.
- MWA Board of Directors signed a memorandum to announce its intention "Transparent MWA. Verifiable. No corruption." with the objective to strive developing and driving MWA to grow sustainably, without corruption, set ethical standards, and encourage more awareness of prevention and suppression of corruption by MWA to be more concrete and cause good administration in accordance with good governance. The organization must be transparent and verifiable. On September 29th, 2015, there was the policy for top executives to sign the declaration of this intention as well.

Good governance promotion activity was also published on www.mwa.co.th.



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Appointment of Committees and Subcommittees

(31 December 2015)

1. Procurement Subcommittee consists of

Gen. Veerun	Chantasatkosol	Chairman
Mr. Vullop	Phringphong	Vice Chairman
Mr. Surasak	Satawiriya	Member
Mr. Piched	Niamnud	Member
Mrs. Duangjai	Tanticharatchai	Member
Mr. Wirachat	Olapiriyakul	Member
Ms. Jantana	Techasirinugool	Member
Ms. Tippawon	Budsayaplakon	Member
Deputy Governor (Administration)		Member
Deputy Governor		Member
(Engineering a	nd Construction)	
Assistant Governor (Construction)		Member and
		Secretary
Director of Pro	ject Management	Assistant secretary

Department

Procurement Subcommittee is responsible for screening the authorization requests for procurement and work contracts; approving changes in procurement and work contracts within the confines of power of the MWA board of directors prior to submission to the MWA Board of Directors; and following up and monitoring the implementation of contracts as seemed appropriate.

2. MWA Improvement Subcommittee consists of

Mr. Bowon	Vongsinudom	Chairman
Assoc.Prof. Chanin Tinnachote, Ph.D.		Vice Chairman
Mr. Nattakit	Tangpoonsinthana	Member
Mr. Vullop	Phringphong	Member
Governor		Member
Assoc.Prof. Bo	onkiat Cheewatragoongit	Member
Mrs. Siriporn	Luangnual	Member
Mrs. Unchana	Withayathamthat	Member
Mr. Vararatana	Chutimid	Member
R.adm. Tawat	Rungsantia	Member
Mr. Luechai	Deethawon	Member
Ms. Suchada	Phanichayakul	Member
Mr. Yongyuth	Arpaichiratana	Member
Deputy Goverr	Member	
Deputy Goverr	Member	
Deputy Governor		Member
(Planning and		

Deputy Governor	Member
(Water Production and Transmission)	
Deputy Governor (Engineering and	Member
Construction)	
Deputy Governor (Eastern Services)	Member
Chairman of Labour Union of MWA	Member
Assistant Governor	Member and
(Planning and Development)	Secretary
Director of Policy and Strategy Department	Assistant secretary

MWA Improvement Subcommittee is responsible for establishing the MWA management strategies and annual action plan; allocating budget in line with the MWA action plan as well as all aspects of operation plans ranging from water production to waterworks system; providing consultation towards service management and investment along with approving financial management, financial analysis report and financial status; managing and controlling investment budget in accordance with the action plan; providing guidelines on concerned MWA business operation to enhance revenues; establishing procedures and benchmarks for continual monitoring and assessing the MWA performance in order to achieve the objectives and targets of the organization; contemplating and amending law, regulations, agreements and contracts within the management sector for greater flexibility in practice.

3. Corporate Good Governance (CG) and **Corporate Social and Environment** Responsibility (CSR) Subcommittee

•	-	
consists of		
Mr. Nattakit	Tangpoonsinthana	Chairman
Mr. Somsak	Suwansujarit	Vice Chairman
Governor		Member
Mr. Kwanchai	Wongnitikorn	Member
Gen. Noppadol	Phakungkoon	Member
V.adm. Jiamsak	Chantarasena	Member
Ms. Rasa	Kanchanasai	Member
Mr. Kriengkrai	Suebsumpan	Member
Mr. Chainat	Chetiyanuwat	Member
Mr. Peerawat	Tiragarnkan	Member
Mr. Samruay	Mongkolporn	Member
Mr. Keat	Eungratanakorn	Member
Mr. Wisit	Wongwiwat	Member



Assistant Governor (Office of MWA Board of Director) Assistant Governor (Office of Governor) Member

Member and Secretary t Assistant secretary

Director of Corporate Governance Department Assistant secretary

Corporate Good Governance (CG) and Corporate Social and Environment Responsibility (CSR) Subcommittee is responsible for establishing; scrutinizing and approving good governance operation plan and corporate social and environment responsibility plan in accordance with any changes occurred and with international guidance; monitoring the operation status; suggesting the direction of business ethics including working procedures for directors, managers, employees; and staff members providing advice to the MWA Board of Directors where there is a conflict regarding organization benefits; setting policy and public relation strategy to each of stakeholder groups; considering and approving the MWA annual public relation plan; monitoring business operation in order to cultivate MWA's good image as well as reliability within public sector and setting guidance for the museum administration as well as allocating the supporting budget.

4. Risk Management Subcommittee consists of

Asst.Prof. Teekawuth	Potapirom	Chairman		
Mr. Bowon	Vongsinudom	Vice Chairman		
Assoc.Prof. Suwatana	Chittaladakorn, Ph.D.	Member		
Governor		Member		
Selected Representati	ve from Royal Irrigatio	on Department		
(Mr. Sanya Saengpum	ipong)	Member		
V.adm. Supote	Klangvichit	Member		
Mrs. Pankanitta	Boonkrong	Member		
Mr. Vichian	Udomratanasilpa	Member		
Mr. Somruthai	Tasaduak	Member		
Assoc.Prof. Prawit	Suraneeranat	Member		
Mr. Wisit	Wongwiwat	Member		
Mr. Ulysh	Makmaitree	Member		
Mr. Therdthum	Wongkalasin	Member		
Mr. Chaovarin	Kingkaew	Member		
Mr. Surat	Intrto	Member		
Deputy Governor (Plann	ning and Development)	Member		
Deputy Governor (Engineering and Construction) Member				
Deputy Governor Member				
(Water Production and Transmission)				

Assistant Governor (Planning and Development)	Member and
	Secretary
Director of Risk Management Department	Assistant
	secretary

Risk Management Subcommittee is responsible for providing recommendation and support in formulating risk management policies, risk management process, acceptable; approving, identifying, analyzing, and assessing risks and risk management plan; providing recommendation for establishing business stability and continuity; ensuring all preventive measures in the waterworks system in order to tackle any potential crisis; supervising and monitoring the implementation of risk management policy, plan and process; screening and reviewing risk management report and establishing the culture and communication of appropriate risk management in the organization.

5. Relations Affairs Committee consists of

Gen. Veerun Chantasatkosol

Chairman

Employer's Representatives:

Deputy Governor (Administration) Member Assistant Governor (Office of Governor) Member Assistant Governor (Accounting and Finance) Member Assistant Governor (Services 3) Member Assistant Governor (Engineering) Member Assistant Governor Member (Water Transmission and Distribution System) Assistant Governor (Planning and Development) Member Assistant Governor (Information Technology) Member Assistant Governor Member (Human Resource Management)

Employee's Representatives:

Acting Sub Lt. Chai	yuth Homvong	Member
Mr. Sompop	Pranswatdi	Member
Mr. Pravech	Chamchalerm	Member
Mr. Wanna	Sreesod	Member
Mr. Jaktree	Mesombut	Member
Mr. Marut	Puekpong	Member
Acting Lt. Ruengsil	Kotchanin	Member
Mr. Paiwong	Leelakan	Member

Mrs. Supranee Soloh Director of Welfare and Labor Relations Affairs Department Member Secretary

Relations Affairs Committee has a duty under the Article 23 of the State Enterprise Labor Relations Act B.E. 2543 (AD 2000); providing opinions on improving the effectiveness of the state enterprise operations as well as promoting and developing labor relations; making compromise and ending conflicts within the state enterprise; amending work regulations for the benefits of the state enterprise employers and employees; providing counseling to solve employees or the labor union's problems and complaints related to disciplinary punishment and providing consultation to improve the employment situation.

6. Audit Committee consists of

Mr. Vudhibhongse	Vibulyawongse	Chairman
V.adm. Nadaecho	Kerdchoochuen	Member
Asst.Prof. Teekawuth	Potapirom	Member
Assistant Governor (I	nternal Audit Office)	Secretary

Audit Committee is responsible for reviewing the MWA's operation for its compliance with regulations, rules, guidance, Cabinet's resolution, and announcements or orders relevant to the state enterprise operations; reviewing the accuracy and credibility of financial report; monitoring the sufficiency and effectiveness of internal control system, good governance process, and risk management process; monitoring and ensuring the MWA's good internal audit system and examining the independence of the internal audit unit.

7. Policy Implementation Monitoring Subcommittee consists of

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V.adm. Nadaecho	Kerdchoochuen	Chairman
Mr. Somsak	Suwansujarit	Vice Chairman
Mr. Vudhibhongse	Vibulyawongse	Member
MWA Expert (Level	10)	Member
(Ms. Thanyaphorn T	antikul)	
Assistant Governor (W	later Production System)	Member
Assistant Governor	(Administration)	Member
Assistant Governor	(Engineering)	Member
Assistant Governor	(Services)	Member
Assistant Governor		Member and
(Office of MWA Boa	rd of Director)	Secretary

Director of MWA Board of Director Affairs Department Assistant secretary

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Policy Implementation Monitoring Subcommittee is responsible for monitoring the implementation of policies formulated by the government; supervising ministries, and the MWA Board of Directors; following up the implementation of Water Supply Improvement Project and other major projects and reporting to the MWA Board of Directors on a monthly basis.

8. Water Lost Monitoring and Water Pressure Management Subcommittee consists of

5		
Assoc.Prof. Suwatana	Chittaladakorn, Ph.D.	Chairman
Asst.Prof. Teekawuth	Potapirom	Vice Chairman
Mr. Bowon	Vongsinudom	Member
Assoc.Prof. Chanin	Tinnachote, Ph.D.	Member
Governor		Member
Mr. Prasan	Pithakvorarat	Member
Mrs. Chutima	Eamchotehawalit, Ph.D.	Member
Asst.Prof. Sitang	Pilailar, Ph.D.	Member
Mr. Chukiart	Eiamsiri	Member
Mr. Sompop	Sucharit, Ph.D.	Member
Mr. Luechai	Deethawon	Member
Mr. Vitaya	Intachit	Member
Mr. Somchai	Chai-anuraks	Member
Deputy Governor (Engir	neering and Construction)	Member
Deputy Governor (Info	ormation Technology)	Member
Deputy Governor (Water P	Production and Transmission)	Member
Deputy Governor (We	stern Services)	Member
Deputy Governor (Eas	stern Services)	Member
Assistant Governor (V	Vater Transmission	Member
and Distribution Syste	m)	
Assistant Governor (S	ervices)	Member
		and Secretary
Director of Integrated	Water Loss	Assistant
Management Technolo	ogy Department	secretary

Water Lost Monitoring and Water Pressure Management Subcommittee is responsible for developing strategies for the effective water loss reduction; considering the water loss and water pressure management plan as well as ensuring the achievement of the plans; accelerating the operation of the water loss management; screening and allocating budget for water loss management activities; providing recommendations on the use of advanced water loss management technology and monitoring the implementation of the water loss management.

9. Human Resources Management and Development Subcommittee consists of

Assoc.Prof. Suwatana	Chittaladakorn, Ph.D.	Chairman		
Mr. Somsak	Suwansujarit	Vice Chairman		
Mr. Nattakit	Tangpoonsinthana, Ph.D.	Member		
Governor		Member		
Mr. Arin	Jira	Member		
Maj.Gen.Dr. Supamanat	Parapob	Member		
Assoc.Prof. Suda	Suwannapirom, Ph.D.	Member		
R.adm. Songwoot	Boon-in	Member		
Ms. Rasa	Kanchanasai	Member		
Asst.Prof. Sitang	Pilailar, Ph.D.	Member		
Ms. Suchada	Phanichayakul	Member		
Mr. Vikrom	Suwanchompoo	Member		
Mr. Trirong	Khanom	Member		
Deputy Governor (Adr	ninistration)	Member		
Deputy Governor (Plai	nning and Development)	Member		
MWA Expert (Level 10))	Member		
(Ms. Thanyaphorn Tar	ntikul)			
Assistant Governor		Member		
(Waterworks Academi	c Development)			
Assistant Governor		Member and		
(Human resource Man	agement)	Secretary		
Director of Human Res	sources	Assistant		
Development Departm	ient	secretary		
Director of Human Res	sources	Assistant		
Management Departm	ent	secretary		

Human Resources Management and Development Subcommittee is responsible for formulating human resource management and human resource development policies and strategies that systematically support each other; considering administrative structure, employee's salary and organizational administration structure in the form of Business Unit (BU); providing advices to optimize human resource management and development; formulating policies and directions for the management of the MWA Waterworks Academy in order to achieve the international recognition and standards; formulating policies; promoting and encouraging waterworks research, development and innovations at an international level and governing and monitoring human resource management and development activities.

10. MWA Governor's Performance Appraisal Subcommittee consists of

Mr. Vullop	Phringphong	(
Assoc.Prof. Suwatana	Chittaladakorn, Ph.D.	١
Gen. Veerun	Chantasatkosol	I
Assistant Governor		0
(Office of MWA Boar	d of Director)	

Chairman Vice Chairman Member Secretary

The MWA Governor's Performance Appraisal Subcommittee is responsible for the MWA Governor's performance appraisal and subjecting to approval of the MWA Board of Directors as well as conducting performance appraisal within the specified period.

11. MWA Information Technology Strategic Planning Subcommittee consists of

5		
Assoc.Prof. Chanin	Tinnachote, Ph.D.	Chairman
Mr. Nattakit	Tangpoonsinthana	Vice Chairman
Governor		Member
Gen. Skunchai	Sirireong	Member
Dr. Khanat	Kruthkul	Member
Assoc.Prof. Asanee	Kawtrakul, Ph.D	Member
Ms. Jantana	Techasirinugool	Member
Mr. Jirasak	Kananukul	Member
Mr. Peera	Teerawatana	Member
Deputy Governor		Member
(Engineering and Co	nstruction)	
Deputy Governor (W	estern Services)	Member
Deputy Governor (Info	ormation Technology)	Member
Deputy Governor (W	ater Production	Member
and Transmission)		
Assistant Governor (In	formation Technology)	Member
		and Secretary
Director of Technolog	gy Development	Assistant
and Support Departn	nent	secretary

MWA Information Technology Strategic Planning Subcommittee is responsible for providing recommendation and in-depth IT information; directing and formulating IT strategies in order to promote good corporate governance on IT management; monitoring IT administration in order to report the MWA Board of Director on a quarterly basis.



Thai Waterworks Museum



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Meeting Attendance and Remuneration of Directors, Committee and Subcommittee for Fiscal Year 2015

(1 October 2014 - 30 September 2015)

No.	Name-Suri	name	Position	Board of Directors	Risk Management Subcommittee	Audit Committee	MWA Governor's Performance Appraisal Subcommittee	Relations Affairs Committee	Procurement Subcommittee	
4	Mr. Chareon	Dessere	Chairman	(12 Meetings) 12/12	(TT Meetings)	(TU Meetings)	(6 Meetings)	(12 Meetings)	(12 Meetings)	
1	VADM. Nadaecho	Passara	Chairman	12/12		10/10				
		Kerdchoochuen	Director			10/10				
3	Gen. Veerun	Chantasatkosol	Director	12/12			6/6	12/12	9/12	
4	Mr. Manas	Jamveha	Director	12/12			2/2		10/12	
5	Assoc.Prof. Suwatana	Chittaladakorn, Ph.D.	Director	12/12	10/11		6/6			
6	Mr. Bowon	Vongsinudom	Director	11/12	9/11					
7	Mr. Vudhibhongse	Vibulyawongse	Director	9/12		9/10				
8	Mr. Arin	Jira	Director	3/3		3/3				
9	Asst.Prof. Teekawuth	Potapirom	Director	12/12	11/11	7/7				
10	Mr. Nattakit	Tangpoonsinthana	Director	10/12						
11	Mr. Vullop	Phringphong	Director	5/10			4/4		4/9	
12	Mr. Kwanchai	Wongnitikorn	Director	5/6	3/5					
13	Mr. Somsak	Suwansujarit	Director	10/10						
14	Assoc.Prof. Chanin	Tinnachote, Ph.D.	Director	10/10	7/8					
15	Mr. Thanasak	Watanathana	Director	12/12	10/11					

Remarks :

No. 11-14 Were appointed as MWA Directors by the Cabinet, effective on 9 December 2014

- No. 8 Retired at the age of 65 on 9 January 2015
- No. 12 Resigned from MWA Director on 30 June 2015
- No. 4 Resigned from MWA Director on 19 October 2015

	Corporate Good Governanc and Corporate Social an Environment Responsibili Subcommittee	Policy Implementation Monitoring Subcommittee	Water Lost Monitoring and Water Pressure Management Subcommitte	Human Resources Management and Development Subcommitte	Meeting Allowance from All Committee	Fixed Remuneration	Bonus	Total Remuneration
(12 Meetings)	(12 Meetings)	(12 Meetings)	(12 Meetings)	(12 Meetings)	(Baht)	(Baht)	(Baht)	(Baht)
					150,000.00	240,000.00	47,219.42	437,219.42
		12/12			385,000.00	120,000.00	37,775.54	542,775.54
					381,250.00	120,000.00	37,775.54	539,025.54
				5/9	320,000.00	120,000.00	192,500.00	632,500.00
			12/12	11/12	403,750.00	120,000.00	37,775.54	561,525.54
12/12			7/9		371,250.00	120,000.00	37,775.54	529,025.54
		11/12			337,500.00	120,000.00	173,353.49	630,853.49
		4/4		1/1	112,580.65	30,000.00	37,775.54	180,356.19
3/4	3/4		12/12		402,500.00	120,000.00	37,775.54	560,275.54
7/9	12/12			3/3	357,500.00	120,000.00	28,331.64	505,831.64
2/9					150,000.00	97,419.35	108,281.25	355,700.60
	5/6			6/6	181,250.00	67,086.02	0.00	248,336.02
	3/8	4/9			175,000.00	97,419.35	0.00	272,419.35
7/9			9/9		288,750.00	97,419.35	0.00	386,169.35
12/12	12/12		11/12	12/12	360,000.00	120,000.00	192,500.00	672,500.00

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Background

The MWA Information Center was established in 1999 under the Official Information Act, B.E. 2540 which was effective on 9 December 1997 in order for the public to get access, inspect or study the official operation information. The MWA Information Center, under the responsibility of Corporate Communication Department, is located on the first floor of MWA head office building.



Objectives

- To assure the Right to know of the public by conforming to the principle "Disclosure is Obligation, Concealment is Exception" They are able to make use of information they are informed for any purpose.
- To protect important information under the principle "The Necessity of Protection" e.g. the official's confidential information.
- To protect personal information by conforming to the principle "Concealment is Obligation, Disclosure is exception". Any violations associated with personal rights and privacy is prohibited.

The public right as stated in the Official Information Act, B.E. 2540

The public right to know is stated in section 7 from the Government Gazette whereby the public need not act as stakeholders pertaining to information acknowledged. A State agency shall publish the following official information in the Government Gazette.

- 1. The structure and organization of its operation;
- The summary of important powers and duties and operational methods;

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- A contacting address for the purpose of contacting the State agency in order to request and obtain information or advice;
- 4. By-laws, resolutions of the Council of Ministers, regulations, orders, circulars, Rules, work pattern, policies or interpretations only insofar as they are made or issued to have the same force as by-laws and intended to be of general application to private individuals concerned.

Right to official information inspection under section 9

- A result of consideration or a decision which has a direct effect on a private individual including a dissenting opinion and an order relating thereto;
- A policy or an interpretation which does not fall within the scope of the requirement of publication in the Government Gazette under section 7 (4);
- A work-plan, project and annual expenditure estimate of the year of its preparation;
- A manual or order relating to work procedure of State officials which affects the rights and duties of private individuals;
- The published material to which a reference is made under section 7 paragraph two;
- 6. A concession contract, agreement of a monopolistic nature or joint venture agreement with a private



individual for the provision of public services;

- 7. A resolution of the Council of Ministers or of such Board, Tribunal, Commission or Committee as established by law or by a resolution of the Council of Ministers; provided that the titles of the technical reports, fact reports or information relied on in such consideration shall also be specified.
- Other information as determined by the Board such as tender announcement, procurement consideration summary report in monthly period of State Official (OIC Form1), etc.

Right to official information request under section 11

If any person making a request for any official information other than the official information already published in the Government Gazette under section 7 or already made available for public inspection under section 9 or already made available for public studies under section 26 and such request makes a reasonably apprehensible mention of the intended information, the responsible State agency shall provide it to such person within a reasonable period of time, unless the request is made for an excessive amount or frequently without reasonable cause.

Steps for Information Request

- 1. Inspect the MWA's information.
- 2. Contact the Center staff.
- Identify one's self by signing in on the registration book.



- 4. Get assistance from staff who will look up the information stored in the Center.
- In case that a copy or a certified copy of the requested document is required;
- 6. Fill out the request form.
- 7. Copy or certify the copy of the requested document; service fee may be applied. In case that requested information is not available at the Center, staff will pass on the request to the source of information and get back to the requester within 15 days.

Performance in 2015

The MWA provides various channels and forms of information service e.g. internet, phone service and personal media, all of which comes with indexing for easy search. In 2015, the MWA Information Center welcomed 82 visitors and 208 phone calls for information service. The most interested information was the statistics of water utilization history while the most frequent users were civilians, followed by students.





Report and Financial Statements



Report of the Audit Committee

The Metropolitan Waterworks Authority (MWA) passed a resolution at the meeting No. 6/2014 on 29 August 2014 to appoint the Audit Committee of the MWA which consists of Mr. Vudhibhongse Vibulyawongse as the Chairman, and Mr. Arin Jira and Vice Admiral Nadaecho Kerdchoochuen as the Members. However, Mr. Arin Jira reached 65 years of age on 8 January 2015, leading to his discharge of the Audit Committees, therefore, the MWA Board of Directors passed a resolution on appointing a new set of Audit Committee in Meeting No. 1/2015 on 27 January 2015. The Committee consists of three directors including Mr. Vudhibhongse Vibulyawongse, as the Chairman, Vice Admiral Nadaecho Kerdchoochuen and Assistant Professor Teekawuth Potapirom as Members, Mrs. Wilai Chatthanrassami as the Committee's Financial Accounting Specialist, and Mr. Wichai Amornteipparak, Assistant Governor (Internal Audit Office), as the Secretary until 31 March 2015. After Mr. Wichai Amornteipparak was promoted as the waterworks specialist leveled 10, Mrs. Krisana Tungjitwattanakon, Assistant Governor (Internal Audit Office), as the Secretary from 1 April 2015 onwards.

In fiscal year 2015, the Audit Committee held a total of 10 meetings. There were discussions and exchanges of opinions with top executives, internal auditors and the delegates from the Office of the Auditor General. The summary of their working practice runs in accordance with the scope of duty specified by the MWA Committee as well as in the regulations of Ministry of Finance under the section of Audit Committee and Internal Audit Office for state enterprise 2012, Manual on State Enterprise's Internal Audit, Ministry of Finance, and the Audit Committee Charter is as follows:

1) Financial Reports: reviewed the quarterly and annual financial reports; disclosed important information to ensure that the financial statements were presented sufficiently and timely; complied to the standards of financial report and accounting in order to ensure the accuracy as well as credibility; and revised significant accounting policies to ensure that all items in the financial statements were presented thoroughly, accurately, appropriately, and beneficially to the users.

2) Internal Control: reviewed the efficiency, effectiveness and adequacy of the internal audit system by considering the audit results of the Internal Audit Office and the Office of Auditor General of Thailand delegates; quarterly reported important errors and solutions to the Board of Directors to encourage top executives to implement an adequate and efficient internal control system.

3) Risk Management: reviewed risk management plan of MWA; monitored risk management of all lines of operation on a quarterly basis to ensure that the risk management plan is effective in controlling or mitigating any threats to achievement of the organization's goal of operation to an acceptable level.

4) Compliance with Relevant Laws, Rules and Regulations: monitored, discussed with the management and reviewed the audit results of the Internal Audit Office to ensure that MWA strictly complies with the laws, rules and regulations.

5) Governance and Auditing Development: reviewed the operation of the Internal Audit Office according to the Annual Audit Plan as well as the audit results by providing suggestion and monitoring the progress of solutions in accordance with the significant issues in the audit report. The Internal Audit Office also approved the Internal Audit Charter, the MWA Strategic Plan (2012-2016), Audit Plan 2016, and the Manual on State Enterprise's Internal Audit 2015; reviewed the suitability of Internal Audit Office's human resources, along with other resources management involving appointment, rotation, promotion, awarding, and the personnel training plans to ensure consistency with changes in the future. The Internal Audit Office promoted internal auditors to improve their knowledge and skills and obtain a professional certification in internal audit and encouraged to hire professional consultants for internal audit assessment and development.

6) Audit Committee's Quality Control: reviewed, revised the Audit Committee Charter, and conducted both the Committee's performance assessment and self assessment in response to the best practice of State Enterprise Policy Office, under the Ministry of Finance.

In summary, the Audit Committee considered that in fiscal year 2015 MWA strictly adhered to good governance principles, and generated accurate financial reports based on the generally accepted financial reporting and accounting standards. There were effective risk management and internal control system, and all units performed efficiently, complying to related laws and regulations.

(Mr. Vudhibhongse Vibulyawongse) Chairman of the Audit Committee





Report of the Board of Directors' Responsibility for Financial Report

The Board of Directors of the Metropolitan Waterworks Authority (MWA) is responsible for financial statement by directing the preparation of financial statement in accordance with the generally accepted accounting standards. There is an adequate disclosure of significant information in the Notes to the Financial Statement as well as certified by the Office of the Auditor General.

The Board of Directors has appointed the MWA Audit Committee which comprises of Independent Directors to supervise the auditing, the review of the financial statement and the internal control, to ensure the accounting records are correct, fully adequate, and punctual, and to prevent fraud and irregular conduct.

The MWA Board of Directors has considered that the financial statement of the Metropolitan Waterworks Authority reports the financial status, performance results, and changes in equity and cash flow accurately in the subject matters under generally accepted accounting standards.

(Mr. Chareon Passara) Chairman, MWA Board of Directors



Auditor's Report



To The Board of Directors of Metropolitan Waterworks Authority

The Office of the Auditor General of Thailand has audited the financial statements of Metropolitan Waterworks Authority, which comprise the statements of financial position as of September 30, 2015, and the related statements of income, comprehensive income, changes in equity and cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Thai Financial Reporting Standards, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

The Office of the Auditor General of Thailand's responsibility is to express an opinion on these financial statements based on the audit. The Office of the Auditor General of Thailand conducted the audit in accordance with Thai Standards on Auditing. Those standards require that the Office of the Auditor General of Thailand comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

The Office of the Auditor General of Thailand believes that the audit evidence the Office of the Auditor General of Thailand has obtained is sufficient and appropriate to provide a basis for the Office of the Auditor General of Thailand's audit opinion.

Opinion

In the Office of the Auditor General of Thailand's opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Metropolitan Waterworks Authority, respectively, as of September 30, 2015, and their financial performance and cash flows for the year then ended, in accordance with Thai Financial Reporting Standards.

> (Signed) *Thapaniy Tangpatanapradit* (Miss Thapaniy Tangpatanapradit) Division Director Acting Director of Financial Audit Office No.13

(Signed) Pranee Kirirat

(Mrs. Pranee Kirirat) Technical expertise of the Auditor General Acting Director–in-charge



Financial Statements

Metropolitan Waterworks Authority Statements of Financial Position

As of September 30, 2015

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			Unit : Baht
	Note	2015	2014
ASSETS			
Current assets			
Cash and cash equivalents	5.2 7.1	4,951,390,585	4,210,124,604
Current investments	7.2	7,018,167,573	4,012,077,309
Trade accounts receivable	5.3 7.3	519,061,625	534,343,370
Accrued revenue of water sales, meter fees and raw water	s 7.4	896,308,453	864,788,091
Inventories and supplies	5.4 7.5	108,006,432	143,838,722
Other current assets	7.6	71,094,726	50,859,980
Total current assets		13,564,029,394	9,816,032,076
Non-current assets			
Long-term Investment		200,000,000	-
Property, plant and equipment	5.5 7.7	47,201,604,709	47,426,748,611
Intangible assets	5.6 7.8	280,422,800	163,900,481
Works under construction	5.7 7.9	5,404,805,570	5,717,880,578
Advance payment	7.10	90,962,359	132,364,872
Other non-current assets		9,363,979	11,201,153
Total non-current assets		53,187,159,417	53,452,095,695
Total assets		66,751,188,811	63,268,127,771

Metropolitan Waterworks Authority Statements of Financial Position (Continued)

As of September 30, 2015

			Unit : Baht
	Note	2015	2014
LIABILITIES AND EQUITY			
Current liabilities			
Trade accounts payable		1,113,294,508	1,323,608,394
Current portion of long-term loans	7.11	216,063,312	210,700,469
Accrual remittance to the Ministry of Finance	7.12	1,704,000,000	2,210,000,000
Other current liabilities	7.13	1,820,269,247	1,657,082,392
Total current liabilities		4,853,627,067	5,401,391,255
Non-current liabilities			
Long-term loans	7.11	1,573,956,525	1,486,856,082
Employee benefit obligations	7.14	1,711,499,487	1,452,284,777
Customers' guarantee deposits		1,552,333,256	1,499,788,749
Deferred revenues	7.15	2,120,707,542	1,806,428,167
Other non-current liabilities	7.16	239,450,150	273,651,798
Total non-current liabilities		7,197,946,960	6,519,009,573
Total liabilities		12,051,574,027	11,920,400,828
Equity			
Capital	7.17	8,386,847,139	8,386,847,139
Unapporpriated retained earnings		46,312,767,645	42,960,879,804
Total equity		54,699,614,784	51,347,726,943
Total liabilities and equity		66,751,188,811	63,268,127,771

The accompanying notes are an integral part of these financial statements.

(Signed) *Thanasak Watanathana* (Mr. Thanasak Watanathana) Governor (Signed) *Wasana Nakpiphatkul* (Mrs. Wasana Nakpiphatkul) Director of Accounting Department

Metropolitan Waterworks Authority Statements of Income

For the years ended September 30, 2015

			Unit : Baht
	Note	2015	2014
Operating revenues			
Water sales		16,822,907,744	16,403,487,642
Water meter fees		912,329,016	888,441,931
Tab water connection fees		410,045,821	455,028,815
Work contract revenues		716,955,163	786,146,060
Other operating income		715,557,135	661,083,607
Total operating revenues		19,577,794,879	19,194,188,055
Operating expenses			
Changes in inventories of finished goods and work	in progress	(61,819)	(620,368)
Work performed by the entity and capitalized		(34,593,503)	(32,540,817)
Raw materials and consumables used	7.18	2,588,303,687	2,545,616,938
Directors remuneration	7.19	21,062,371	21,750,888
Employee benefit expenses		3,346,341,096	3,269,199,619
Depreciation and amortization expenses		4,704,290,869	4,673,919,642
Other operating expenses	7.20	2,062,348,814	2,104,370,485
Total operating expenses		12,687,691,515	12,581,696,387
Profit from operating		6,890,103,364	6,612,491,668
Other revenues and expenses			
Interest income		232,876,849	176,780,781
Other revenues		106,544,830	121,262,827
Other expenses		(2,466,353)	(5,323,422)
Gains (losses) on foreign exchange rate	7.21	(15,625,909)	36,650,310
Total Other revenues and expenses		321,329,417	329,370,496
Profit before finance cost		7,211,432,781	6,941,862,164
Finance costs		(61,462,515)	(65,033,154)
Profit for the year		7,149,970,266	6,876,829,010

Metropolitan Waterworks Authority Statements of Comprehensive Income

For the years ended September 30, 2015

			Unit : Baht
	Note	2015	2014
Profit for the year Other comprehensive income		7,149,970,266	6,876,829,010
Actuarial Gains (Losses)	7.14	(177,942,186)	(1,035,115)
Total comprehensive income for the year		6,972,028,080	6,875,793,895

Metropolitan Waterworks Authority Statements of Changes in Equity

For the years ended September 30, 2015

	Initial Capital	Government Budget
Balance as of October 1, 2013	1,192,708,301	7,194,138,838
The effect of changes in accounting policy	-	-
The effect of changes in accounting errors	-	-
Balance after Adjustment	1,192,708,301	7,194,138,838
Remittance to Ministry of Finance	-	-
Total comprehensive income for the year	-	-
Balance as of September 30, 2014	1,192,708,301	7,194,138,838
Balance as of October 1, 2014	1,192,708,301	7,194,138,838
The effect of changes in accounting errors	-	-
Balance after Adjustment	1,192,708,301	7,194,138,838
Remittance to Ministry of Finance	-	-
Total comprehensive income for the year	-	-
Balance as of September 30, 2015	1,192,708,301	7,194,138,838

			Unit : Bant
Capital Surplus	Total Capital	Unappropriated retained earnings	Total equity
4,952,310,563	13,339,157,702	36,134,208,041	49,473,365,743
(4,952,310,563)	(4,952,310,563)	3,410,192,895	(1,542,117,668)
-	-	684,973	684,973
-	8,386,847,139	39,545,085,909	47,931,933,048
-	-	(3,460,000,000)	(3,460,000,000)
-	-	6,875,793,895	6,875,793,895
-	8,386,847,139	42,960,879,804	51,347,726,943
-	8,386,847,139	42,960,879,804	51,347,726,943
-	-	(13,140,239)	(13,140,239)
-	8,386,847,139	42,947,739,565	51,334,586,704
-	-	(3,607,000,000)	(3,607,000,000)
-	-	6,972,028,080	6,972,028,080
-	8,386,847,139	46,312,767,645	54,699,614,784

Unit : Baht

Metropolitan Waterworks Authority Statements of Cash Flows

For the years ended September 30, 2015

for the years ended september 30, 2013		Unit : Baht
	2015	2014
Cash flows from operating activities :		
Profit for the year	7,149,970,266	6,876,829,010
Adjustment of net income to cash received (paid)		
From operating activities		
Depreciation	4,617,059,001	4,635,354,169
Amortization - intangible assests	87,174,758	38,508,363
Amortization	57,110	57,110
Doubtful accounts	4,198,096	12,407,886
(Gains) losses on foreign exchange rate	28,320,615	(69,438,198)
(Gains) losses from disposal of assets	(5,236,725)	(3,751,308)
(Gains) losses from disposal of obsolete materials and supplies	(16,032,422)	(9,073,588)
Finance costs	61,462,515	65,033,154
Interest income	(232,876,849)	(176,780,781)
Revenues from donated assets	(357,831,299)	(299,036,363)
Other revenues	(17,133,237)	(37,951,151)
Operating income before changes in operating assets and liabilities	11,319,131,829	11,032,158,303
Operating assets (increase) decrease		
Trade accounts receivable	12,297,514	(88,435,532)
Accrued revenue of water sales, meter fees and raw waters	(31,520,362)	(13,209,099)
Inventories	143,663,138	100,925,647
Other current assets	4,662,826	4,515,694
Other non-current assets	566,199	(1,514,505)
Operating liabilities increase (decrease)		
Trade accounts payable	(867,228,465)	(845,282,738)
Other current liabilities	177,543,407	(227,491,932)
Provision for employee benefits	63,369,731	(230,519,225)
Customers' guarantee deposits	52,544,507	54,319,702
Other non-current liabilities	(34,254,332)	(90,149,891)
Bonus paid to Board of Directors and Employees from last year	9,585,668	3,659,826
Net cash from operating activities	10,850,361,660	9,698,976,250

Metropolitan Waterworks Authority Statements of Cash Flows (Continued)

For the years ended September 30, 2015

		Unit : Baht
	2015	2014
Cash flows from investing activities		
Current investment (increase) decrease	(3,006,090,264)	(2,825,527,714)
Long-term investment (increase) decrease	(200,000,000)	-
Interest received	207,979,278	148,886,954
Proceeds from disposals of property, plant and equipment	51,109,512	40,514,546
Proceeds from disposal of obsolete materials and supplies	16,574,755	12,575,188
Payments of fixed assets acquisition	(3,049,222,133)	(3,525,095,854)
Net cash used in investing activities	(5,979,648,852)	(6,148,646,880)
Cash flows from financing activities		
Proceeds from borrowings	250,172,525	504,855,517
Repayment on borrowing	(200,671,604)	(155,532,181)
Cash paid for interest expenses	(60,947,748)	(64,280,452)
Remittance to Ministry of Finance	(4,118,000,000)	(4,745,000,000)
Net cash used in financing activities	(4,129,446,827)	(4,459,957,116)
Net increase(decrease) in cash and cash equivalents	741,265,981	(909,627,746)
Cash and cash equivalents at the beginning of the year	4,210,124,604	5,119,752,350
Cash and cash equivalents at the ending of the year	4,951,390,585	4,210,124,604





Notes to the Financial Statements for the Years Ended September 30, 2015

1. GENERAL INFORMATION

Established and Objective

Metropolitan Waterworks Authority (MWA) is the state enterprise under the Metropolitan Waterworks Authority Act, B.E. 2510 (1967) and its amendment with objectives as follows,

1.1 to survey and provide raw water sources and acquire raw water for use in the waterworks.

1.2 to produce, supply and distribute treated water in the Bangkok Metropolis, Nonthaburi and

Samut Prakan provinces and control the standard of private waterworks system in such areas.

1.3 to engage in other related business or beneficial to MWA.

The head office located at 400 Prachachuen Road, Laksi, Bangkok, 10210

2. BASIS OF PREPARATION AND PRESENTATION OF THE FINANCIAL STATEMENTS

The financial statements have been prepared in accordance with Thai Generally Accepted Accounting Principles under the Accounting Act, B.E.2543 being these Thai Financial Reporting Standards issued under the Accounting Profession Act, B.E. 2547 and presents its financial statements in compliance with the notification of the Department of Business Development "Definition of the abbreviated components required in the financial statements" B.E. 2554.

3. THAI FINANCIAL REPORTING STANDARDS, THAI ACCOUNTING STANDARDS, THAI FINANCIAL REPORTING INTERPRETATIONS AND THAI STANDING INTERPRETATIONS

The Federation of Accounting Professions (FAP) issued the following new and revised Thai Financial Reporting Standards, Thai Accounting Standards, Thai Financial Reporting Interpretations and Thai Standing Interpretations as follows:

Topic

Effective for periods beginning on or after January 1, 2015

Thai Financial Reporting Standards	Topic
- TFRS 2 (revised 2014)	Share-based Payment
- TFRS 3 (revised 2014)	Business Combinations
- TFRS 5 (revised 2014)	Non-current Assets Held for Sale and Discontinued Operations
- TFRS 6 (revised 2014)	Exploration for and Evaluation of Mineral Resources
- TFRS 8 (revised 2014)	Operating Segment
- TFRS 10	Consolidated Financial Statements
- TFRS 11	Joint Arrangements
- TFRS 12	Disclosure of Interests in Other Entities
- TFRS 13	Fair Value Measurement

Thai Accounting Standards

- TAS 1 (revised 2014)	Presentation of Financial Statement
- TAS 2 (revised 2014)	Inventories
- TAS 7 (revised 2014)	Statement of Cash Flows

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- TAS 8 (revised 2014)	Accounting Policies, Changes in Accounting Estimates and Errors
- TAS 10 (revised 2014)	Events after the Reporting Period
- TAS 11 (revised 2014)	Construction Contracts
- TAS 12 (revised 2014)	Income Taxes
- TAS 16 (revised 2014)	Property, Plant and Equipment
- TAS 17 (revised 2014)	Leases
- TAS 18 (revised 2014)	Revenue
- TAS 19 (revised 2014)	Employee Benefits
- TAS 20 (revised 2014)	Accounting for Government Grants and Disclosure of Government Assistance
- TAS 21 (revised 2014)	The Effects of Changes in Foreign Exchange Rates
- TAS 23 (revised 2014)	Borrowing Costs
- TAS 24 (revised 2014)	Related Party Disclosures
- TAS 26 (revised 2014)	Accounting and Reporting by Retirement Benefit Plans
- TAS 27 (revised 2014)	Separate Financial Statements
- TAS 28 (revised 2014)	Investment in Associates
- TAS 29 (revised 2014)	Financial Reporting in Hyperinflationary Economies
- TAS 33 (revised 2014)	Earnings per Share
- TAS 34 (revised 2014)	Interim Financial Reporting
- TAS 36 (revised 2014)	Impairment of Assets
- TAS 37 (revised 2014)	Provisions, Contingent Liabilities and Contingent Assets
- TAS 38 (revised 2014)	Intangible Assets
- TAS 40 (revised 2014)	Investment Property

Thai Financial Reporting Interpretations

Topic

- TFRIC 4 (revised 2014) Determining whether an Arrangement contains a Lease	al
	al
- TFRIC 5 (revised 2014) Rights to Interests arising from Decommissioning, Restoration and Environment	100
Rehabilitation Funds	
- TFRIC 7 (revised 2014) Applying the Restatement Approach under TAS 29 Financial Reporting	in
Hyperinflationary Economics	
- TFRIC 10 (revised 2014) Interim Financial Reporting and Impairment	
- TFRIC 12 (revised 2014) Service Concession Arrangements	
- TFRIC 13 (revised 2014) Customer Loyalty Programmes	
- TFRIC 14 (revised 2014) The Limit on a Defined Benefit Asset, Minimum Funding Requirements and the	əir
Interaction	
- TFRIC 15 (revised 2014) Agreements for the Construction of Real Estate	
- TFRIC 17 (revised 2014) Distributions of Non-cash Assets to Owners	
- TFRIC 18 (revised 2014) Transfers of Assets from Customer	
- TFRIC 20 (revised 2014) Stripping Costs in the Production Phase of a Surface Mine	

Thai Standing Interpretations	Topic
- TSIC 10 (revised 2014)	Government Assistance - No Specific Relation to Operating Activities
- TSIC 15 (revised 2014)	Operating Leases-Incentives
- TSIC 25 (revised 2014)	Income Taxes - Changes in the Tax Status of an Entity or its Shareholders
- TSIC 27 (revised 2014)	Evaluating the Substance of Transactions Involving the Legal Form of a Lease
- TSIC 29 (revised 2014)	Service Concession Arrangements : Disclosures
- TSIC 31 (revised 2014)	Revenue - Barter Transactions Involving Advertising Services
- TSIC 32 (revised 2014)	Intangible Assets-Web Site Costs

Effective for periods beginning on or after January 1, 2016		
Thai Financial Reporting Standards Topic		
- TFRS 4 (revised 2014)	Insurance Contracts	

MWA is currently assessing the impact of Thai Financial Reporting Standards effective for the periods beginning on or after January 1, 2015 and 2016, however MWA believes that these Thai Financial Reporting Standards have not significantly impact on the financial statements for the period in which they are initially applied.

4. CHANGES IN ACCOUNTING ESTIMATES

MWA has changed the estimated residual value of vehicles, from previously depreciated over the useful life not exceeding 5 and 8 years with no residual value to depreciated over the useful life not exceeding of 5 and 8 years, with the remaining residual value 5 and 15 percent of the cost of acquisition, respectively. As a result, estimates of depreciation vehicles for fiscal year 2015 decreased by approximately Baht 8.65 million.

5. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

5.1 Revenue and Expenses recognition

5.1.1 Revenue recognition

Income is recognized when issued the water bills depending on water consumption in each month. In case of no issuance of the water bills at the end of the accounting period, accrued income will be estimated by the time of unissued bills and recognized as the incomes in that accounting period.

Rendering of services is recognized at the time of service completion.

Interest revenue is recognized on accrual basis concerning with the real rate of return on assets.

Other income is recognized on accrual basis.

5.1.2 Expenses recognition

Expenses are recognized on accrual basis.

5.2 CASH AND CASH EQUIVALENTS

Cash and cash equivalents comprise cash on hand, deposits held at call with banks but do not include deposits with banks which are held to maturity, and other short-term highly liquid investments with maturities of three months or less from the date of acquisition and without restriction of use and that are subject to an insignificant risk of change in value.

5.3 TRADE ACCOUNTS RECEIVABLE AND ALLOWANCE FOR DOUBTFUL ACCOUNTS

Trade Accounts receivable are stated at original invoice amount less allowance for doubtful accounts. Allowance for doubtful accounts computed from percentage of the outstanding balance of trade accounts receivable except trade accounts receivable from government agencies and state enterprises. The estimation has been based on the Ministry of Finance regulation regarding the accounting and finance of state enterprises B.E. 2548 as follow :

Outstanding period	Percentage of Allowance for Doubtful Accounts
Over 6 months - 1 Year	50
Over 1 Year	100

5.4 INVENTORIES

Inventories are valued at the lower of cost price or net realizable value, Consist of:

5.4.1 Materials and suppiles use in MWA's operation such as pipes, water meter and chemical are valued at cost moving average method.

For disposal obsolete materials, materials awaiting for checking and material awaiting to exchange will have an allowance for loss with the same amount.

Obsolete materials by dismantling of assets valued at book values.

5.4.2 Finished Goods comprises of drinkable bottle cost moving average method.

5.5 PROPERTY, PLANT AND EQUIPMENT

Property, plant and equipment are stated at cost on the date of acquisition or the completion of constructions, less accumulated depreciation. The cost of assets includes the acquisition price and other necessary expenses in making them ready to operate.

Depreciation of plant and equipment is calculated by reference to their costs on a straight-line basis over the estimated useful lives as follows : -

	Useful lives (Years)
Land improvement	30
Building and factory	30
Machinery and equipment	5, 10, 20, 25
Pipe and tunnel	10, 25, 35
Meter	5, 8
Office equipments	5
Vehicles	5, 8

Donated assets recorded with deferred revenue. Donated assets depreciation is charged as operating expense.



5.6 INTANGIBLE ASSETS

Intangible assets are the right to use the digital data map and the computer software presented at cost deducted by accumulated amortization expense. Amortization is charged to the income statement on a straight line basis according to the 5-20 years estimated useful life of assets.

5.7 WORKS UNDER CONSTRUCTION

All costs related directly to qualifying assets, and its assets under construction are recorded as works under construction. When the construction is completed and prepare the assets for its intended use, its cost will be transferred to property, plant and equipment.

5.8 BORROWING COSTS

Borrowing costs are Interest expense, finance charges and exchange differences arising from foreign currency borrowings to the extent that they are regarded as an adjustment to interest costs, which related to qualifying assets, and its assets under construction less any income earned on the temporary investment of such borrowings are capitalized as part of the constructions cost. When constructions are completed, such borrowing costs will be recorded as the expenses.

5.9 FOREIGN CURRENCY TRANSACTIONS

Transactions in foreign currencies are translated into Thai Baht at the exchange rates ruling at the date of the transaction. Monetary assets and liabilities denominated in foreign currencies at the end of reporting period are translated into Thai Baht at the exchange rates ruling at that date as referred to the average buying or selling rate notified by the Bank of Thailand.

5.10 Employee Benefits

Recognition and measurement

5.10.1 Short-term employee benefits are recognized in profit and loss as expenses when incurred.

5.10.2 Post-employment benefits

Defined contribution plans

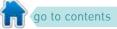
MWA and its employees have established MWA provident fund in accordance with the Provident Fund Act B.E. 2530 (1987) and registered on June 2, 1997.

The fund is separated from assets of MWA and managed by asset management company and will be paid to employees upon termination of employment in accordance with the rules of the fund.

The MWA contributes to the fund on a monthly basis at a rate of 9% of salaries for members having 1-10 years of service, 10% for members having 11-20 years of service and 11 % for members having more than 20 years of service. Contributions are recognized in profit and loss as expenses when incurred.

Defined benefit plans

MWA has established MWA pension fund on October 28, 1976 for the purpose of providing its employees with retirement benefits. The MWA contributes to the fund on a monthly basis at the rate of 10% of monthly salary of MWA pension fund members. The obligation under the defined benefit plan is determined based on actuarial techniques, using the Projected Unit Credit Method, in order to determine present value of the obligation, current service cost and past service cost. These are recognized as a liability



in statements of financial position and expenses in profit and loss. Actuarial gains and losses arising from post-employment benefits are recognized in statements of comprehensive income when incurred.

5.10.3 Other long-term employment benefits

The obligation under the defined benefit plan is determined based on actuarial techniques, using the Projected Unit Credit Method, in order to determine present value of the obligation, current service cost and past service cost. These are recognized as a liability in statements of financial position and expenses in profit and loss. Actuarial gains and losses arising from post-employment benefits are recognized in statements of comprehensive income when incurred.

6. SIGNIFICANT ACCOUNTING JUDGEMENTS AND ESTIMATES

The preparation of financial statement in conformity with generally accepted accounting principles requires management to make judgements, estimates and assumptions that affect the application of accounting policies and the reported amounts of assets, liabilities, income, and expenses. Actual results may differ from these estimates. The significant judgements and estimate is as follow:

6.1 PROPERTY, PLANT, EQUIPMENT AND DEPRECIATION

In determining depreciation of plant and equipment, the management is required to make estimates of the useful lives and residual value of the plant and equipment and to review estimate useful lives when there are any changes.

6.2 ACCRUED REVENUE OF WATER SALES, METER FEES

Unbilled revenue was calculated by estimated water usage from the last billing to the end of the accounting period bases on the average usage per day of previous month.

6.3 LITIGATION

MWA has contingent liabilities as a result of litigation. The management has used judgment to assess of the results of the litigation and believes that no loss will result. Therefore no contingent liabilities are recorded as at the reporting date.

7. ADDITIONAL DATA

7.1 CASH AND CASH EQUIVALENTS comprised of:

		Unit : Million Bant
	2015	2014
Cash :-		
Cash on hand	2.19	2.27
Savings and current account	4,436.87	1,300.42
Cash in transit	32.07	17.18
Cash equivalents :-		
Fixed deposit account	480.26	2,890.26
Total	4,951.39	4,210.13

Linit · Million Baht



Linit Million Dalet

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7.2 CURRENT INVESTMENTS

Current investment as of September 30, 2015 and 2014 amounting to Baht 7,018.17 million and Baht 4,012.08 million. MWA has followed to the regulations of the Ministry of Finance regarding accounting and finance of state owned enterprise B.E. 2548 section 2 of finance which defined state owned enterprise to deposit its money with commercial banks that also are state owned following to the budgeting law. If there is remaining liquidity or desire to manage remaining liquidity to gain higher reward than deposit with state owned banks following to the budgeting law of state owned enterprise, it is possible to invest in short term financial instruments issued by the Ministry of Finance or financial institutions of government.

7.3 TRADE ACCOUNTS RECEIVABLE comprised of:

		Unit : Million Baht
	2015	2014
Water utility bills receivable	513.12	518.16
Less Undue output taxes water utilities	(33.65)	(33.63)
Total water utility bills receivable	479.47	484.53
Water connection fees receivable	48.38	57.68
Total Trade accounts receivable	527.85	542.21
Less allowance for doubtful account	(8.79)	(7.87)
Total	519.06	534.34

As of September 30, 2015 and 2014, the water utility bills receivable were shown as follows:

Unit : Million B								
		2015			2014			
Aging period	Private sector	Public sector	Total	Private sector	Public sector	Total		
1- 6 months	209.30	252.83	462.13	199.31	266.56	465.87		
Over 6 months - 1 year	1.89	7.62	9.51	1.71	9.96	11.67		
Over 1 year	7.83		7.83	6.99		6.99		
Total	219.02	260.45	479.47	208.01	276.52	484.53		

7.4 ACCRUED REVENUE OF WATER SALES, METER FEES

	Unit : Millior									
	20	15	20	14						
	Million Baht	fillion Baht Percentage Million Baht Percent								
Private sector	785.01	87.58	759.52	87.83						
Public sector	111.30	12.42	12.17							
Total	896.31	100.00	864.79	100.00						

7.5 INVENTORIES comprised of:

	l	Jnit : Million Baht
	2015	2014
Finish goods	0.73	0.77
Materials and Supplies	104.77	142.15
Material in transit	2.51	0.92
Total	108.01	143.84

7.6 OTHER CURRENT ASSETS comprised of:

		Unit : Million Baht
	2015	2014
Accrued interest receivable	69.70	44.81
Prepaid expense	0.09	4.46
Other assets	1.30	1.59
Total	71.09	50.86

7.7 PROPERTY, PLANT AND EQUIPMENT details as follows:

	Unit : Million Bal											
	2015											
		С	ost		А	ccumulated	d Depreciati	on	Property, Plant and			
	Oct 1, 2014	Additions	Write off	Sep 30, 2015	Oct 1, 2014	Depreciation	Write off	Sep 30, 2015	Equipment Sep 30, 2015			
Land	4,284.29	-	-	4,284.29	-	-	-	-	4,284.29			
Building and improvements	17,783.03	465.13	(46.83)	18,201.33	10,621.76	446.43	(33.52)	11,034.67	7,166.66			
Machineries and equipments	10,332.47	383.70	(188.96)	10,527.21	7,738.39	435.84	(185.12)	7,989.11	2,538.10			
Pipes	77,578.06	3,135.62	(281.97)	80,431.71	45,847.38	3,379.58	(254.52)	48,972.44	31,459.27			
Meters	3,836.45	364.61	(274.81)	3,926.25	2,822.59	186.06	(265.74)	2,742.91	1,183.34			
Office - equipments	1,480.79	91.60	(54.21)	1,518.18	947.94	153.85	(53.99)	1,047.80	470.38			
Vehicles and transport	353.97	5.23	(9.92)	349.28	244.25	15.38	(9.91)	249.72	99.56			
Total	115,649.06	4,445.89	(856.70)	119,238.25	68,222.31	4,617.14	(802.80)	72,036.65	47,201.60			

Property, plant and equipment, amounted to Baht 119,238.25 million, as of September 30, 2015, included fully depreciated assets Baht 30,620.73 million, which have the carrying amount Baht 24.95 million

					2014				
		Сс	ost		А	ccumulated	l Depreciati	on	Property, Plant and
	Oct 1, 2013	Additions	Write off	Sep 30, 2014	Oct 1, 2013	Depreciation	Write off	Sep 30, 2014	Equipment Sep 30, 2014
Land	4,284.29	-	-	4,284.29	-	-	-	-	4,284.29
Building and improvements	16,962.32	836.61	(15.90)	17,783.03	10,192.42	440.65	(11.31)	10,621.76	7,161.27
Machineries and equipments	9,619.39	880.94	(167.86)	10,332.47	7,410.79	490.82	(163.22)	7,738.39	2,594.08
Pipes	73,774.28	4,108.39	(304.61)	77,578.06	42,715.38	3,413.06	(281.06)	45,847.38	31,730.68
Meters	3,413.64	589.65	(166.84)	3,836.45	2,833.72	141.10	(152.23)	2,822.59	1,013.86
Office - equipments	1,114.59	441.28	(75.08)	1,480.79	895.01	127.69	(74.76)	947.94	532.85
Vehicles and transport	321.42	53.59	(21.04)	353.97	242.06	23.16	(20.97)	244.25	109.72
Total	109,489.93	6,910.46	(751.33)	115,649.06	64,289.38	4,636.48	(703.55)	68,222.31	47,426.75

Property, plant and equipment, amounted to Baht 115,649.06 million, as of September 30, 2014, included fully depreciated assets Baht 27,404.90 million, which have the carrying amount Baht 11.15 million

7.8 INTANGIBLE ASSETS details as follows:

								Unit :	Million baht
					2015				
		Сс	st		Ac	cumulated	amortizati	on	Intangible
	Oct 1, 2014	Additions	Written off	Sep 30, 2015	Oct 1, 2014	amortization	Written off	Sep 30, 2015	assets Sep 30, 2015
Rights to use the digital data map	216.58	18.45	-	235.03	153.89	10.60	-	164.49	70.54
Software	940.33	185.57	(2.28)	1,123.62	839.12	76.49	(1.87)	913.74	209.88
Total	1,156.91	204.02	(2.28)	1,358.65	993.01	87.09	(1.87)	1,078.23	280.42

Unit : Million baht

		2014									
		Co	st		Accumulated amortization				Intangible		
	Oct 1, 2013	Additions	Written off	Sep 30, 2014	Oct 1, 2013	amortization	Written off	Sep 30, 2014	assets Sep 30, 2015		
Rights to use the digital data map	201.30	15.28	-	216.58	147.14	6.75	-	153.89	62.69		
Software	877.72	62.61		940.33	807.36	31.76	_	839.12	101.21		
Total	1,079.02	77.89		1,156.91	954.50	38.51		993.01	163.90		

7.9 ASSETS UNDER CONSTRUCTION details as follows:

				Unit	t : Million baht
			2015		
	Oct 1, 2014	Additions	Borrowing cost	Transferred to assets	Sep 30, 2015
The Seventh Bangkok water Supply Improvement Project	851.79	139.56	-	(782.19)	209.16
The Eighth Bangkok water Supply Improvement Project	2,242.99	515.99	2.77	(375.33)	2,386.42
Water Loss Improvement Project	15.20	-	-	(15.20)	-
Normal Capital Expenditure	2,607.90	2,895.78	-	(2,694.45)	2,809.23
Total	5,717.88	3,551.33	2.77	(3,867.17)	5,404.81

			2014		
	Oct 1, 2013	Additions	Borrowing cost	Transferred to assets	Sep 30, 2014
The Seventh Bangkok water Supply Improvement Project	1,993.08	521.84	-	(1,663.13)	851.79
The Seventh Bangkok water Supply Improvement Addition Project	14.83	-	-	(14.83)	-
The Eighth Bangkok water Supply Improvement Project	2,874.11	756.52	2.62	(1,390.26)	2,242.99
Water Loss Improvement Project	-	45.91	-	(30.71)	15.20
Normal Capital Expenditure	2,374.69	3,403.55	-	(3,170.34)	2,607.90
Total	7,256.71	4,727.82	2.62	(6,269.27)	5,717.88

7.10 ADVANCE PAYMENT

Advance payment as of September 30, 2015 amounting to Baht 90.96 Million has paid according to the conditions in the agreement. The contractor has to submit Thai Government's bond or a guarantee issued by a local bank in accordance with Rules of Metropolitan Waterworks Authority (Volume 100) on Procurement B.E.2537 (1994)

7.11 LONG-TERM LOANS

Unit : Million baht								
	2015 2014		Re	epaymen	nt Condition	٦		
Loan Facility	Foreign currency	Thai Baht equivalent	Foreign currency	Thai Baht equivalent	Annual Interest rate (percent per annum)	Number of installment	The First repayment date	The Last repayment date
Japanese Yen currency (Unit : million Yen)								
1. Yen 11,706.00 million loan	2,520.35	772.43	2,800.38	836.95	1.70	37	Sep 20, 2006	Sep 20, 2024
2. Yen 4,098.00 million loan	3,087.02	946.10	2,638.59	788.60	0.80	21	Aug 20, 2014	Aug 20, 2024
3. Yen 364.00 million loan	233.25_	71.49	240.93	72.01	0.01	21	Aug 20, 2014	Aug 20, 2024
Total long-term loans	5,840.62	1,790.02	5,679.90	1,697.56	BOT average	e selling Fo	reign Exchan	ge Rate
Less Total current portion	704.99_	216.06	704.99_	210.70_	As of Sep 30	, 2014	1 JPY = 0.29	8871 THB
Long-term loans - net	5,135.63	1,573.96	4,974.91		As of Sep 30), 2015	1 JPY = 0.30	6478 THB

7.11 LONG-TERM LOANS (cont'd)

Movements in the long-term loans account are summarised below.

		Unit : Million baht
	Foreign	Thai Baht
	currency	equivalent
Japanese Yen currency		
Balance as of October 1, 2014	5,679.90	1,697.56
Additional borrowings	865.71	250.17
(Gains) Losses on foreign exchange rate	-	42.22
Repayment	(704.99)	(199.93)
Balance as of September 30, 2015	5,840.62	1,790.02

7.12 ACCRUED REMITTANCE TO THE MINISTRY OF FINANCE

In this fiscal year, the Ministry of Finance has prescribed MWA to delivers a remittance to the Ministry of Finance 45% of the net income before provision of bonus expense, which delivering devided into twice a year.

Movements in the Accrual remittance to the Ministry of Finance account are summarised below.

	l	Jnit : Million Baht
	2015	2014
Balance as of October 1	2,210.00	3,492.00
Increase during the period	3,612.00	3,463.00
Remittance to the Ministry of Finance		
- The first half of the year 2013	-	(1,878.00)
- The second half of the year 2013	-	(1,617.00)
- The first half of the year 2014	(500.00)	(1,250.00)
- The second half of the year 2014	(1,715.00)	-
- The first half of the year 2015	(1,903.00)	_
Balance as of September 30	1,704.00	2,210.00

In 2014, MWA recorded the provision of remittance to the Ministry of Finance in the amount of Baht 3,463.00 million, which was remittance to the Ministry of Finance of the year 2013 in the amount of Baht 3.00 million. MWA remitted for the year 2013, and for the first half of the year 2014 in the amount of Baht 3,495.00 million and Baht 1,250.00 million respectively. The outstanding balance of remittance to the Ministry of Finance as of September 30, 2014 amounting of Baht 2,210.00 million.

In 2015, MWA recorded the provision of remittance to the Ministry of Finance in the amount of Baht 3,612.00 million, which was remittance to the Ministry of Finance of the year 2014 in the amount of Baht 5.00 million. MWA remitted for the year 2014 and for the year 2015 in the amount of Baht 2,215.00 million and Baht 1,903.00 million respectively. The outstanding balance of remittance to the Ministry of Finance as of September 30, 2015 amounting of Baht 1,704.00 million.

7.13 OTHER CURRENT LIABILITIES

	I	Unit : Million baht
	2015	2014
Accrued interest payables	4.32	3.81
Accrued public utilities	122.69	125.31
Accrued expenses	28.54	27.49
Accrued expense on value added taxes	58.59	31.76
Accrued withholding taxes	14.34	16.35
Accrued bonus expense	825.66	812.36
Accrued raw water	24.36	21.42
New connection and job contract out revenues received in advance	512.46	427.92
Cross currency swap obligation	84.81	114.36
Outstanding cheques	29.58	26.35
Other liabilities	114.92	49.95
Total	1,820.27	1,657.08

Cross currency swap obligation amounting to Baht 84.81 million. The MWA uses derivative financial instruments which are Cross Currency Swap (CCS) to reduce the fluctuation risk from an exchange rate by contraction one currency to another currency (SWAP), which affect to MWA is obligated to partner SWAP.

7.14 EMPLOYEE BENEFIT OBLIGATIONS

The MWA's liability for post-employment benefits is recognized in the statements of financial position, as follows:

Unit : Million baht						
			201	5		
	Staff Pension fund	Legal severance plan	Unused vacation plan	25 years long- service award	Retirement award	Total
At October 1, 2014	1,246.66	1,066.42	102.27	19.05	58.99	2,493.39
The adjustments due to changes in assumptions.	(80.74)	38.56	4.55	(6.96)	62.50	17.91
Past service cost	-	-	-	36.37	-	36.37
Current Service cost	41.57	68.11	10.08	6.19	12.69	138.64
Interest cost	31.37	31.71	4.69	1.50	3.99	73.26
Benefits paid	(132.62)	(106.41)	(10.49)	(0.04)	(4.87)	(254.43)
Actuarial (Gains) Losses	54.64	56.92	59.89	(0.93)	7.42	177.94
At September 30, 2015	1,160.88	1,155.31	170.99	55.18	140.72	2,683.08
Less Fair value of plan assets	971.58			-		971.58
Amount recognized in statement of financial position.	189.30	1,155.31	170.99	55.18	140.72	1,711.50

			201	4		
	Staff Pension fund	Legal severance plan	Unused vacation plan	25 years long- service award	Retirement award	Total
At October 1, 2013	1,355.00	1,109.22	106.77	17.90	49.69	2,638.58
Current Service cost	41.84	61.00	5.90	1.32	10.59	120.65
Interest cost	36.87	34.69	3.35	0.40	3.87	79.18
Benefits paid	(184.79)	(140.48)	(13.94)	(0.73)	(6.11)	(346.05)
Actuarial (Gains) Losses	(2.26)	1.99	0.19	0.16	0.95	1.03
At September 30, 2014	1,246.66	1,066.42	102.27	19.05	58.99	2,493.39
Less Fair value of plan assets	1,041.10					1,041.10
Amount recognized in statement of financial position.	205.56	1,066.42	102.27	19.05	58.99	1,452.29



Unit : Million baht

Expenses recognized in the statements of comprehensive income, as follows:

	2015					
	Staff Pension fund	Legal severance plan	Unused vacation plan	25 years long- service award	Retirement award	Total
Statement of income						
Past Service cost	-	-	-	36.37	-	36.37
Current Service cost	41.57	68.11	10.08	6.19	12.69	138.64
Interest cost	31.37	31.71	4.69	1.50	3.99	73.26
Return on plan assets	(23.07)	-	-	-	-	(23.07)
Total	49.87	99.82	14.77	44.06	16.68	225.20
Other comprehensive income						
Actuarial Gains (Losses)	(54.64)	(56.92)	(59.89)	0.93	(7.42)	(177.94)
Total	(54.64)	(56.92)	(59.89)	0.93	(7.42)	(177.94)

	2014					
	Staff Pension fund	Legal severance plan	Unused vacation plan	25 years long- service award	Retirement award	Total
Statement of income						
Current Service cost	41.84	61.00	5.90	1.32	10.59	120.65
Interest cost	36.87	34.69	3.35	0.40	3.87	79.18
The return on plan assets	(27.21)	-	-	-	-	(27.21)
Total	51.50	95.69	9.25	1.72	14.46	172.62
Other comprehensive income						
Actuarial Gains (Losses)	2.26	(1.99)	(0.19)	(0.16)	(0.95)	(1.03)
Total	2.26	(1.99)	(0.19)	(0.16)	(0.95)	(1.03)

Movements in the present value of the plan assets - Staff Pension fund, as follows:

		Unit : Million baht
	2015	2014
Beginning Balance	1,041.10	956.81
Add Return on plan assets	23.07	27.21
Obligation payable from MWA.	40.03	241.87
Less Benefits paid	(132.62)	(184.79)
Ending Balance	971.58	1,041.10

Principal actuarial assumptions

	Annual percentage (%)
Discount rate at 30 September 2015	1.50 - 4.01
Salary increase rate	7.50
Employee turnover rate	0.76

7.15 DEFERRED REVENUES

Unit : Million baht

	2015					
	As of Oct 1, 2014	Added	Recognized as income	As of Sep 30, 2015		
Water meter	314.11	146.90	(55.30)	405.71		
Distribution Pipe	1,468.24	531.96	(307.12)	1,693.08		
Other assets	24.08	0.39	(2.55)	21.92		
Total	1,806.43	679.25	(364.97)	2,120.71		

	2014					
	As of Oct 1, 2013	Added	Recognized as income	As of Sep 30, 2014		
Water meter	188.60	171.09	(45.58)	314.11		
Distribution Pipe	1,327.12	402.78	(261.66)	1,468.24		
Other assets	26.40	0.20	(2.52)	24.08		
Total	1,542.12	574.07	(309.76)	1,806.43		



7.16 NON-CURRENT LIABILITIES comprised of

		Unit : Million bah	t
	2015	2014	
Collective and metering representative deposits	20.40	20.31	
Work guarantee (retention) and Contractor deposits	219.05	253.32	
Employee deposits	-	0.02	
Total	239.45	273.65	

7.17 CAPITAL

Capital, amounted to Baht 8,386.85 million, as of September 30, 2015, included initial capital Baht 1,192.71 million and government budget Baht 7,194.14 million.

7.18 RAW MATERIALS AND CONSUMABLES USED comprised of

		Unit : Million baht
	2015	2014
Raw water	279.83	260.17
Chemical	348.83	385.81
Electricity utility	1,444.62	1,369.96
Pipe and equipment for tap water installation	203.00	207.02
Pipe and equipment for repair and maintenance	170.91	165.43
Other raw material and consumables used	141.11	157.23
Total	2,588.30	2,545.62

7.19 REMUNERATION FOR DIRECTORS

The remuneration for directors for the year ended September 30, 2015 and 2014 amounting to Baht 21.06 million and Baht 21.75 million are expense of Director and MWA's Board of directors.

7.20 OTHER OPERATING EXPENSES comprised of

		Jnit : Million baht
	2015	2014
Contract out - tap water installation	91.07	89.88
Contract out - inspection and improvement of distribution valve	26.60	30.89
Contract out - leakage pipes survey and repair	297.51	335.16
Contract out - other services	216.27	200.60
Outsourcing expenditure	240.52	232.25
Collective and metering representative expenses	123.97	118.83
Repair and maintenance expenses	107.20	136.66
Work contracts expenses	589.85	616.48
Other operating expenses	369.36	343.62
Total	2,062.35	2,104.37

7.21 GAINS (LOSSES) ON FOREIGN EXCHANGE RATE comprised of

	I	Unit : Million baht
	2015	2014
During period (realized)		
- From loans repayment	12.71	(32.12)
- Other	(0.02)	(0.67)
On September (unrealized)		
- From loans outstanding	(42.96)	141.23
- Cross currency swap	14.69	(71.18)
- Other	(0.05)	(0.61)
Total	(15.63)	36.65

8. DISCLOSURES OF FINANCIAL INSTRUMENT

MWA had entered into Plain vanilla cross currency swap agreement on March 17, 2006, to reduce the risk from exchange rate. Contract principle amount to Yen 11,706.00 million, utilized amount to Yen 5,180.74 million, to the MWA's Lender through 18.5 years contract which details as follows.

As of September 30, 2015

Swap contract notional receipt (million Yen)	Swap contract interest receipt rate (per annum)	Swap contract exchange rate	Swap contract notional payment (million Baht)	Swap contract interest payment rate (percent per annum)	Outstanding Loan (million Yen)	Remaining Tenor (Year)	BOT Buying rate September 30, 2015
5,180.74	1.70	1 JPY = 0.334 THB	1,730.37	5.759	2,520.35	9	1 JPY = 0.300351 THB

9. ESTIMATE AND CONTINGENT LIABILITIES

9.1 THE CONTINGENT LIABILITIES UNDER CONSIDERATION OF THE ARBITRATION PROCEEDING

9.1.1 MWA has engaged Nawaratpatanakarn public company limited, contract no. G-MC-7D/2 to construct water tunnel and facilities with construction cost Baht 1,142.0 million

On June 22, 2010 the contractor has submitted a dispute to the Office of the Arbitration Tribunal Board of Trade of Thailand, black case no.5/2010 claimed MWA for compensation on breach of contract amounted to Baht 145.27 million together with interest at the rate of 7.5 percent per annum, calculated from the day following the date of filing statements of claim until the total payment has been met.

On January 17, 2013 the Office of Arbitration Tribunal Board of Trade of Thailand set point of the dispute that the company has the right to request compensation and interest or not?

On October 2, 2013 the arbitration claimant has withdrawn, and then make the arbitration proceedings and the claim is missing in this story, it will have to wait for the claim to support the arbitration in their side as soon as possible when the claimant has set an arbitral tribunal, the office, and then the new you coordinate with the tribunal and the parties, the parties to proceedings.

9.1.2 MWA has engaged SG-STPE Joint Venture, contract no. E-RW/TR(BK)/(MS)-8(R) to furnish and install of pumping equipment with contract value amounting to Baht 274.05 million

On September 10, 2015 the contractor has submitted a dispute to Thailand Arbitration Center, black case no.66/2015, demanding MWA to revoke the termination of contract ,dated November 18, 2557, and to refrains the forfeit amounting Baht 134.21 million, and to assents the contractor return to work on the rest to finish, and to pays for the remaining cost of the work amounting Baht 54.81 million, and to pay total amount Baht 59.86 million for goods and spare parts that had delivered, ,in addition to suspend or revoke the order of the contractor abandoned the work.

9.2 THE CASES THAT MWA WAS FILED THE PETITION TO OBJECTION THE ARBITRAL AWARD

Thames Water International Limited and Thames Water National Service Limited, claimed for compensation on disagreed unpaid success fees and incentive cost Baht 232.07 million, on March 22, 2006 Black case No.26/2006.

On June 23, 2008, the arbitral award ruled by The Arbitral Tribunal in the Red case no.44/2551 ordered MWA to pay compensation on disagreed unpaid success fees and incentive amounting of Baht 232.07 million together with interest at the rate of 7.5 percent per annum, calculated from the next date of MWA receipt of the said award until the total payment has been made.

On August 8, 2008, An attorney representing MWA filed a case through the Central Administrative Court requested the court to revoke such arbitral award, since its award was not unreasonable in compliance with the facts and law, which is material of the case.



On October 15, 2008, the company filed a petition with the Ratchada Civil court requesting issuance of judgment to enforce compliance with the arbitral award, but was later withdrawn the petition.

On June 27, 2012, the Central Administrative Court judgment to enforce compliance with the arbitral award.

On July 26, 2012, MWA submitted an appeal objecting of the Central Administrative Court judgment to the Supreme Administrative Court. The director of the Department of Administrative Litigation, Office of the Attorney General that should be invoked. The judgment of the court that the arbitral award within the scope of the arbitration agreement and the enforcement of the arbitral award is not like the facts and law.

Currently this case is depending to be consideration of the Supreme Administrative Court.

9.3 MWA was charged 15 cases of lawsuit, estimated total claims for compensation and damages amount of Baht 1,147.48 million, as follow:

9.3.1 The one civil case claimed for compensation Baht 6.78 million, on contract default, which was considered in the Central Administrative Court.

9.3.2 The thirteen civil cases claimed for damages Baht 1,135.70 million.Two cases were in the Civil Court, five cases were in the Central Administrative Court considering, two cases was in the Supreme Administrative Court considering, and the other four cases were in the Supreme Court.

One of the four cases in the Supreme Court for damages amounting Baht 1,005.00 million, the Primary Court and the Appeal court had made judgment ordered the dismissing the claimant.

9.3.3 The one civil case claimed for damages amount Baht 5.00 million. This cases was in the consideration of the Central Labour Court.

10. RECLASSIFICATION

Certain amounts in the financial statements as of September 30, 2014, as presented herein for comparative purpose, have been reclassified to conform to the current period's classification, as follow :

			Unit : Baht
	Before Reclassification	Reclassification	After Reclassification
STATEMENTS OF FINANCIAL POSITION			
as of September 30, 2014			
Unappropriated retained earnings	42,951,663,398	9,216,406	42,960,879,804
Other components of equity	9,216,406	(9,216,406)	-
STATEMENTS OF CHANGES IN EQUITY			
for the year ended September 30, 2014			
Unappropriated retained earnings as of October 1, 2013	36,123,956,520	10,251,521	36,134,208,041
Other components of equity as of October 1, 2013	10,251,521	(10,251,521)	-
Unappropriated retained earnings as of October 1, 2014	42,951,663,398	9,216,406	42,960,879,804
Other components of equity as of October 1, 2014	9,216,406	(9,216,406)	-

11. APPROVAL OF FINANCIAL STATEMENTS

These financial statements were authorised for issue by the Governor of MWA on December 21, 2015.



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General Statistics					
	2006	2007	2008		
Total Water Production (million cu m.)	1,699.7	1,739.3	1,765.7		
Bangkhen Water Treatment Plant	1,170.6	1,147.3	1,157.9		
Samsen Water Treatment Plant	158.7	149.6	177.8		
Thonburi Water Treatment Plant	52.8	50.6	49.0		
Mahasawat Water Treatment Plant	317.6	391.8	381.0		
Total Water Consumption (million cu m.)	1,730.0	1,224.0	1,250.6		
Rensidence	516.9	551.4	568.4		
Business, State Enterprise, Gov't Agency and Others	632.9	653.0	664.6		
Public Water Supply and Others	23.2	19.6	17.6		
Percentage of Water Consumption	69.01	70.37	70.83		
Number of Customers at Year End (Connection)	1,749,013	1,804,324	1,859,573		
Residence	1,280,666	1,331,318	1,403,770		
Business, State Enterprise, Gov't Agency and Others	468,347	473,006	455,803		
Small User (Connection)	1,722,736	1,776,575	1,830,390		
Meter Diameter 1/2 ins.	1,101,107	1,131,065	1,161,182		
Meter Diameter 3/4 ins.	567,901	590,189	612,200		
Meter Diameter 1 ins.	53,728	55,321	57,008		
Large User (Connection)	26,277	27,749	29,183		
Meter Diameter 1 1/2 ins.	8,998	9,885	10,805		
Meter Diameter 2 ins.	11,089	11,549	11,950		
Meter Diameter over 2 ins.	6,190	6,315	6,428		
Number of New Connections (Connection)	83,765	71,483	72,010		
Average Water Consumption per Customer per Month (cu m.)	55.69	56.37	56.03		
Residence	34.12	35.04	34.91		
Business, State Enterprise, Gov't Agency and Others	115.08	116.51	116.18		
Average Water Tariffs per cu m. (Baht)	12.00	12.03	12.03		
Residence	10.01	10.00	10.02		
Business, State Enterprise, Gov't Agency and Others	13.63	13.76	13.77		
Number of Personnels at Year End (Person)	n/a	n/a	n/a		
Number of Employees at Year End	4,274	4,157	4,083		
Number of Contract Laborers at Year End	n/a	n/a	n/a		
Ratio of Customers to One Employee (Connection)	n/a	n/a	n/a		
Population in Responsible Areas at Year End (Person)	7,802,639	7,867,379	7,910,699		
Number of Households in Responsible Areas at Year End (House)	3,043,095	3,135,203	3,234,978		

	Fiscal Ye	ar				
2009	2010	2011	2012	2013	2014	2015
1,736.5	1,735.9	1,715.8	1,763.6	1,804.5	1,797.8	1,835.1
1,206.2	1,173.2	1,125.6	1,178.7	1,120.8	1,163.4	1,152.9
180.0	170.4	165.5	148.5	134.5	124.5	137.9
48.8	34.5	24.4	31.7	23.2	30.0	33.7
301.5	357.7	400.3	404.7	526.0	479.9	510.6
1,250.3	1,281.9	1,282.4	1,317.3	1,361.0	1,377.2	1,406.3
595.1	612.0	605.2	619.0	636.5	646.9	657.8
635.0	652.2	657.2	672.8	701.0	703.6	724.8
20.2	17.7	20.0	25.5	23.5	26.7	23.7
72.00	73.85	74.75	74.69	75.42	76.61	76.63
1,920,155	1,964,591	2,017,531	2,060,446	2,113,674	2,171,371	2,226,707
1,508,481	1,548,997	1,596,473	1,634,774	1,682,540	1,733,655	1,784,541
411,674	415,594	421,058	425,672	431,134	437,716	442,166
1,889,308	1,932,707	1,984,720	2,026,853	2,079,269	2,136,214	2,190,943
1,197,565	1,223,407	1,254,311	1,277,707	1,307,769	1,338,653	1,367,682
633,593	650,120	670,140	687,810	708,826	733,475	757,753
58,150	59,180	60,269	61,336	62,674	64,086	65,508
30,847	31,884	32,811	33,593	34,405	35,157	35,764
12,160	12,766	13,180	13,557	13,869	14,156	14,502
12,153	12,438	12,826	13,095	13,476	13,796	13,919
6,534	6,680	6,805	6,941	7,060	7,205	7,343
67,487	66,174	70,955	59,340	69,909	75,570	72,865
54.13	54.07	52.81	52.76	53.34	52.49	52.34
33.61	33.23	32.05	31.90	31.94	31.54	31.13
126.54	131.38	130.78	132.41	136.34	134.84	137.23
11.94	11.96	11.96	11.90	12.01	12.00	12.02
9.95	9.96	9.96	9.86	10.00	10.01	10.01
13.81	13.83	13.81	13.78	13.83	13.83	13.84
n/a	n/a	5,024	5,041	5,303	5,347	5,339
4,081	4,076	4,046	3,962	4,195	4,185	4,246
n/a	n/a	978	1,079	1,108	1,162	1,093
n/a	n/a	402	409	399	406	417
7,958,163	7,992,613	8,000,693	8,038,535	8,084,133	8,127,684	8,169,430
3,338,498	3,446,740	3,530,814	3,633,356	3,742,515	3,868,216	3,991,417



Financial Statistics				
	2006	2007	2008	
Total Assets (Million Baht)	56,528.7	57,004.1	58,170.7	
Current Assets	3,180.4	2,548.9	4,108.9	
Non-Current Assets	53,348.3	54,455.2	54,061.8	
Total Liabilities (Million Baht)	27,059.3	24,544.7	22,980.6	
Current Liabilities	5,650.5	7,590.2	8,938.4	
Non-Current Liabilities	21,408.8	16,954.5	14,042.2	
Equity (Million Baht)	29,469.4	32,459.4	35,190.1	
Total Revenues (Million Baht)	15,823.9	16,362.7	16,807.5	
Operating Revenues	15,587.0	16,234.3	16,660.9	
Water Charge and Monthly Meter Fees	14,506.9	15,225.3	15,593.6	
New Connections	481.1	428.6	459.4	
Other Operating Revenues	599.0	580.4	607.9	
Non-Operating Revenues	236.9	128.4	146.6	
Total Expense (Million Baht)	10,892.1	11,359.5	12,276.2	
Operating Expenses	10,901.6	11,324.4	11,936.2	
Direct Operating Expenses	6,059.9	6,170.5	6,273.1	
Depreciation and Amortization	3,963.6	4,257.0	4,851.0	
Finance Cost	878.1	896.9	812.1	
Non-Operating Expenses	(9.5)	35.1	340.0	
Other Expenses	264.8	145.3	180.3	
Loss on Foreign Exchange Rates	(274.3)	(110.2)	159.7	
Net Income (Million Baht)	4,931.8	5,003.2	4,531.3	
Rate of Return on Total Assets (%)	8.81	8.81	7.87	
Rate of Return on Equity (%)	17.62	16.16	13.40	
Net Profit Margin (%)	31.17	30.58	26.96	
Assets Turnover (Times)	0.28	0.29	0.29	
Current Ratio (Times)	0.56	0.34	0.46	
Ratio of Liabilities on Total Assets (Times)	0.48	0.43	0.40	
Debt Equity Ratio (Times)	0.92	0.76	0.65	
Cost per Unit Sold (Baht)	9.02	9.02	9.55	



	Fiscal Yea	ar				
2009	2010	2011	2012	2013	2014	2015
56,185.3	57,646.1	57,787.5	56,774.2	60,634.4	63,268.1	66,751.2
3,058.2	3,897.0	4,272.7	5,018.3	7,772.5	9,816.0	13,564.0
53,127.1	53,749.1	53,514.8	51,755.9	52,861.9	53,452.1	53,187.2
18,170.2	16,205.5	13,528.8	11,146.8	12,703.2	11,920.4	12,051.6
7,483.1	6,670.0	7,319.9	4,537.0	6,340.9	5,401.4	4,853.6
10,687.1	9,535.5	6,208.9	6,609.8	6,362.3	6,519.0	7,198.0
38,015.1	41,440.6	44,258.7	45,627.4	47,931.2	51,347.7	54,699.6
16,782.8	17,295.9	17,544.1	17,830.4	19,114.7	19,492.2	19,917.2
16,664.6	17,185.5	17,362.6	17,605.1	18,867.3	19,194.2	19,577.8
15,656.2	16,107.1	16,110.9	16,406.3	17,122.3	17,292.0	17,735.2
472.4	428.9	455.2	370.6	424.6	455.0	410.1
536.0	649.5	796.5	828.2	1,320.4	1,447.2	1,432.5
118.2	110.4	181.5	225.3	247.4	298.0	339.4
12,281.2	11,654.5	11,896.9	12,038.7	11,869.9	12,615.4	12,767.2
11,904.7	11,641.5	11,627.3	12,084.9	12,326.0	12,646.7	12,749.1
6,408.0	6,666.4	6,981.8	7,259.4	7,832.2	7,907.8	7,983.4
4,879.3	4,572.1	4,426.8	4,664.7	4,411.2	4,673.9	4,704.3
617.4	403.0	218.7	160.8	82.6	65.0	61.4
376.5	13.0	269.6	(46.2)	(456.1)	(31.3)	18.1
115.9	68.3	72.0	2.0	28.8	5.3	2.5
260.6	(55.3)	197.6	(48.2)	(484.9)	(36.6)	15.6
4,501.6	5,641.4	5,647.2	5,791.7	7,244.8	6,876.8	7,150.0
7.87	9.91	9.78	10.11	11.95	10.87	10.71
12.30	14.20	13.18	12.89	15.11	13.39	13.07
26.82	32.62	32.19	32.48	38.40	35.83	36.52
0.29	0.30	0.30	0.31	0.31	0.30	0.29
0.41	0.58	0.58	1.11	1.23	1.82	2.79
0.32	0.28	0.23	0.20	0.21	0.19	0.18
0.48	0.39	0.31	0.24	0.27	0.23	0.22
9.50	8.69	8.74	8.72	8.15	8.62	8.55

Water	Taritts

Type 1 Residence		Type 2 Commerce, 0 State Enterprise, Ir	Government Agency, ndustry and Others
Volume (cu.m.)	Water Tariffs (baht/cu.m.)	Volume (cu.m.)	Water Tariffs (baht/cu.m.)
0-30	8.50	0-10	9.50 (Not less than 90.00 Baht)
31-40	10.03	11-20	10.70
41-50	10.35	21-30	10.95
51-60	10.68	31-40	13.21
61-70	11.00	41-50	13.54
71-80	11.33	51-60	13.86
81-90	12.50	61-80	14.19
91-100	12.82	81-100	14.51
101-120	13.15	101-120	14.84
121-160	13.47	121-160	15.16
161-200	13.80	161-200	15.49
Over 200	14.45	Over 200	15.81

Remarks

- 1. The above water tariffs do not include VAT.
- 2. The average water tariff for bulk sale is as follows:
 - * Residence: 10.50 baht/cu.m.
 - * Others: 13.00 baht/cu.m.
- 3. Since 1 June 2004, the MWA has included the raw water charge at the rate of 0.15 baht/cu.m. This amount of money is remitted to Royal Irrigation Department.

New Connection Tariffs (Flat Rate) and Meter Fee

										Unit : Baht
Meter Size	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	12"
New Connection Fee	5,000	6,000	8,000	12,500	38,500	76,000	93,500	156,500 *	210,000	431,500
Deposit Fee	400	600	1,500	3,000	4,000	10,000	15,000	20,000	30,000	100,000
Meter Fee	25	40	50	80	300	400	500	900	1,100	3,500

Remarks

1. Additional fee for pipe installation and equipment for the connection 20 meters away from the MWA main pipeline is as follows:*

Pipe Size (mm.)	20	25	40	50	100	150	200	300
Cost per meter (baht)	355	386	452	997	1,981	2,160	2,364	3,017

2. The above fees do not include VAT





Locations of MWA Offices

Sukhumvit Branch Office

1564/1 Sukhumvit Road, Phra Khanong, Khlong Toei, Bangkok 10260 Tel. 0-2331-0028-30 • Fax. 0-2331-7533 E-mail : br07s00@mwa.co.th

Phra Khanong Branch Office

1564/1 Sukhumvit Road, Phra Khanong, Khlong Toei, Bangkok 10260 Tel. 0-2331-0031-2 • Fax. 0-2331-1061 E-mail : br13s00@mwa.co.th

Samut Prakarn Branch Office

27 Soi Bunsiri 4, Sukhumvit Road, Mueang, Samut Prakan 10270 Tel. 0-2384-1411-2 • Fax. 0-2384-3065 E-mail : br17s00@mwa.co.th

Phaya Thai Branch Office

1057 Vibhavadi Road, Chatuchak, Chatuchak, Bangkok 10900 Tel. 0-2537-8225 • Fax. 0-2537-8227 E-mail : br03s00@mwa.co.th

Thung Mahamek Branch Office

9/2 Nang Linchi Road, Thungmahamek, Sathorn, Bangkok 10120 Tel. 0-2286-0172, 0-2286-0174-5, 0-2286-0177, 0-2286-0179 Fax. 0-2286-0153 E-mail : br05s00@mwa.co.th

Mansri Branch Office

1203 Nakhon Chaisi Road, Phaya Thai, Bangkok 10400 Tel. 0-2298-6700-24 • Fax. 0-2298-6735 E-mail : br06s00@mwa.co.th

Lat Phrao Branch Office

591 Soi Ramkhamhaeng 39 (Tepleela 1), Wang Thonglang, Bangkok 10310 Tel. 0-2934-4432-6 • Fax. 0-2934-4815 E-mail : br12s00@mwa.co.th

Min Buri Branch Office

133 Ramkhamhaeng Road, Saen Saeb, Minburi, Bangkok 10510 Tel. 0-2543-6500 • Fax. 0-2543-6630 E-mail : br53s00@mwa.co.th

Suvarnabhumi Branch Office

133 Ramkhamhaeng Road, Saen Saeb, Minburi, Bangkok 10510 Tel. 0-2543-6500 • Fax. 0-2543-6648 Email : br55s00@mwa.co.th

MWA Head Office

400 Prachachuen Road, Tungsonghong, Laksi, Bangkok 10210 Tel. 0-2504-0123 • Fax. 0-2503-9490 E-mail : mwa1125@mwa.co.th

Prachachuen Branch Office

2 Soi Soem Suk, Chatuchak, Chatuchak, Bangkok 10900 Tel. 0-2585-7444, 0-2585-0319, 0-2585-3889, 0-2585-0490 Fax. 0-2586-0922 E-mail : br15s00@mwa.co.th

Bang Khen Branch Office

3 Chaeng Watthana Road, Anusawaree, Bangkhen, Bangkok 10220 Tel. 0-2552-1550-4 • Fax. 0-2521-1176 E-mail : br16s00@mwa.co.th

Phasi Charoen Branch Office

454 Kanchanaphisek Road, Bangkhae Nuea, Bangkhae, Bangkok 10160 Tel. 0-2455-0055 • Fax. 0-2454-5500 E-mai : br11s00@mwa.co.th

Bangkok Noi Branch Office

170 Moo 2 Kanchanaphisek Road, Plai Bang, Bang Kruai, Nonthaburi 11130 Tel. 0-2449-0011, 0-2448-0461 • Fax. 0-2449-0065 **Service Center** 258/4 Soi Charan Sanitwong 30/1, Ban Chang Lo, Bangkoknoi, Bangkok 10700 Tel. 0-2411-3117, 0-2411-2240 • Fax. 0-2411-3117 E-mail : br01s00@mwa.co.th

Taksin Branch Office

71 Rama II Road, Soi 31, Bangmod, Jomthong, Bangkok 10150 Tel. 0-2427-6000 • Fax. 0-2427-7772 E-mail : br02s00@mwa.co.th

Suksawat Branch Office

71 Rama II Road, Soi 31, Bangmod, Jomthong, Bangkok 10150 Tel. 0-2427-7000 • Fax. 0-2427-7772 E-mail : br14s00@mwa.co.th

Bang Bua Thong Branch Office

59 Moo 2, Bang Kruai-Sai Noi Road, Sanoeloy, Bangbuathong Nonthaburi 11110 Tel. 0-2571-3982-7 • Fax. 0-2571-1743 E-mail : br54s00@mwa.co.th

Mahasawat Branch Office

170 Moo 2 Kanchanaphisek Road, Plai Bang, Bang Kruai, Nonthaburi 11130 Tel. 0-2449-0129 • Fax. 0-2449-0088 E-mail : br23s00@mwa.co.th

Nonthaburi Branch Office

282 Nonthaburi Road, Tha Sai, Mueang, Nonthaburi 11000 Tel. 0-2589-0035-8 • Fax. 0-2580-5964 E-mail : br04s00@mwa.co.th



Contact MWA

1. **MWA Call Center:** providing information, dealing with complaints, dealing with applications for services and coordinating with relevant organizations to deal with complaints and problems for the public or customers through;

- 24-hour Hotline 1125
- E-mail : mwa1125@mwa.co.th
- Facebook : www.facebook.com/1125callcenter

MWA Call Center is responsible for following appeals:

- 1) Change of billing address
- 2) Change of type of customer
- 3) Change of customers' name / address
- 4) Report on damaged water meter
- 5) Report on defective water meter
- 6) Registration for SMS service
- 7) Cancellation of SMS service
- 8) Home Care Center
- 9) Appeal for water meter size reduction
- 10) Registration for waterworks system network expansion
- 11) Other services

Once a customer contacts MWA Call Center, his/her request is recorded in the Customer Relationship Management system (CRM) and a relevant organization is informed in order to take prompt action.

2. MWA Website (www.mwa.co.th): providing online services including new connection request, connection progress tracking, bill payment and information request, water usage calculation and complaint dealing

3. All 18 MWA Branch Offices: providing the following services for customers in area of their responsibility:

- Request for new connection within one day and cancellation of service
- Change of water meter
- Change of customers' details
- Water meter pending service
- Repair of broken/ leaking pipe
- Water and electricity bill payment

 Other bill payment service under MWA Easy Pay Project such as AIS mobile phone payment for GSM advance and GSM 1800 system (fee of 10 baht is applicable), KTC credit card payment (fee of 10 baht is applicable), Land and House Bank PLC's loan payment (free of charge)

4. MWA Clean Water Clinic under Water Supply Section, Water Quality Surveillance Division: providing suggestion and information about tap water quality. Tel. 02-981-7321 Fax. 02-981-7313 E-mail : waterclinic@mwa.co.th

5. MWA onMobile Application: allowing the user to report or send photos of damaged or leaking pipes. The Application will locate the exact area and notify the Maintenance Section of the MWA Branch for futher action.

Channels for Payment

1. MWA Head Office and all 18 MWA branch offices, Special Collection, Division and Evian Village.

 "Drive Through Payment" service at the Head Office and 8 stations at the following Branches: 1) Sukhumvit and Phra Khanong 2) Taksin and Suksawat 3) Nonthaburi
 Prachachuen 5) Bang Khen 6) Phaya Thai 7) Min Buri and
 Phasi Charoen

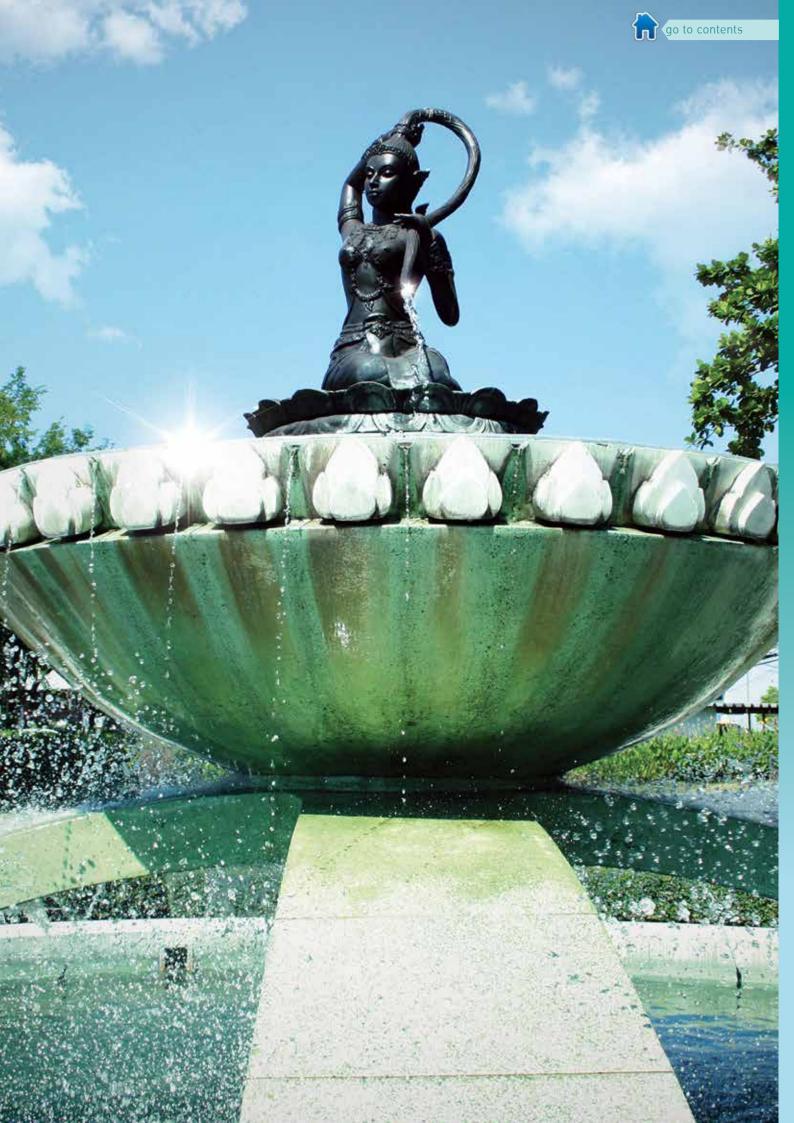
- 3. Payment via MWA Website (www.mwa.co.th)
- 4. Payment via Internet Banking
- 5. Payment by direct debit from bank account
- 6. Payment by credit card and ABC Point card
- 7. Payment via following phone payment services:

AIS mPay, Truemoney, Dtac and Kasikorn Thai Bank

8. Payment at counter services, e.g. banks' counter services, Metropolitan Electricity Authority (MEA), post offices, counter services and convenience stores

9. Transfer payment via Banks' ATM





^{CC}Making the Most Use of Every Drop of Water₉₉







400 Prachachuen Road, Tungsonghong, Laksi, Bangkok 10210 Tel. 0 2504 0123 Fax. 0 2503 9490

MWA Call Center : 1125





www.mwa.co.th