THAI WATERWORKS ASSOCIATION
(TWWA)
OUTLINE OF PRESENTATION

1. Introduction of TWWA
2. Waterworks in Thailand
3. Role and Action for TWWA
4. Q & A
1. **Introduction of TWWA**

- Thai Waterworks Association, founded in 1971, is an association of water supply professionals who work for the association as volunteers.

**Missions**

- 1. To arrange the meeting of the Committee of TWWA,
- 2. To arrange the Annual General Meeting of TWWA
- 3. To arrange conference and seminar on water supply systems both in domestic and abroad for the benefit of its members
Objectives

- To be a water supply professional support center in Thailand, which enhances and develops the growth and standard of Thai waterworks.
- To research, collect and disseminate the information related to professional knowledge of water supply, safety, and welfare.
- To coordinate with other institutions and organizations with the same objectives, both domestic and international.
- To encourage the exchange of knowledge, opinions and experiences between the members.
- Non-political
EXECUTIVE DIRECTOR OF TWWA

Mr. Thanasak Wattanathana
Chairman

Mr. Leuchai Deetahvorn
Vice Chairman

Mr. Withai Awuchanon
Vice Chairman

Mr. Somchai Monburirom
Vice Chairman

Mr. Thanetch Dawasuwan
Vice Chairman
2. **Waterworks in Thailand**

- **Mean annual rainfall**: 1,426 mm
- **Water quantity from rainfall**: 732,975 million m³/year
- **Aquifers**: 1,131,959 million m³
- **Surface water**: 213,303 million m³/year
- **Irrigated area**: 37.8 million (Rais)
- **Non-irrigated area**: 95 million (Rais)
- **Surface water increased**: 102,809 million m³/year
- **Water vaporized into atmosphere**: 416,863 million m³/year
- **Total contained capacity**: 76,131 million m³/year
- **Land area**: 514,008 km² (321 million Rais)

**Thai Text (Translated):**

- ปริมาณน้ำทำเลสี่ 3,413 ลบ.ม./คน/ปี
2. Waterworks in Thailand (cont.)

- Area Total: 513,120 km²
- Population: 2013 estimate 66,720,153 people
- Water Area: 0.4% (2,230 km²)
- Water quantity from rainfall: 732,975 million m³ per year
- Contained capacity: 76,131 million m³
- Surface water: 213,303 million m³
- 25 rivers basins
2. Waterworks in Thailand (cont.)

**Distributed Water in Thailand**

![Pie chart showing water usage in Thailand: Agriculture (73.77%), Household (12.07%), Industry (6.02%), Ecology (8.14%)](image)

- **Agriculture**: 73.77%
- **Household**: 12.07%
- **Industry**: 6.02%
- **Ecology**: 8.14%
2. Waterworks in Thailand (cont.)

- Waterworks Data
- Access to waterworks 83% of Thai people (18.8 million household)
- Divided to

- Metropolitan Waterworks Authority (MWA) 2.1 Million household
- Provincial Waterworks Authority (PWA) 3.6 Million household
- Municipality 13.1 Million household
3. Role and Action for TWWA

Annual General Meeting
Thai Waterworks Association

- held Annual General Meeting once a year
- informed about the activities progress of the association
- future trends and directions
- Sharing on waterworks knowledge from each organization
3. **Role and Action for TWWA (cont.)**

**Integrated Water Management Program**
- to enhance the knowledge and experience of the trainees
- The targets are the executives and the decision makers in water supply organizations, both public and private
- can generate beneficial network between the executives
- The upcoming course will be the 4th class.
3. Role and Action for TWWA (cont.)

Waterworks Exhibition and Knowledge Sharing

✓ provides knowledge in water supply from members, public sector and private sector that join the water supply network

✓ Sharing technique, Technology, Knowledge Management

✓ Sharing case study, good practice
3. Role and Action for TWWA (cont.)

- Concrete the organization, government and private sector among waterworks project
- Improving / Integrating the cooperation for using in waterworks job, including metropolitan, provincial and municipality area
- Exchanging the knowledge and technology between companionship
3. Role and Action for TWWA (cont.)

- Cooperate with other organizations
- Monitoring water resourced quality
- Exchange information about water resources conservation and rehabilitation
- Sharing and working together
THANK YOU