

Way Forward 2023



Objectives

- To increase the overall efficiency of PTT Group water usage via developing improvement water circularity & 3Rs program
- To expand into new pilot areas of petroleum, petrochemical and power plant industries to improve water demand performance
- To conduct Water Pinch Analysis for improving Reuse and Recycle in core business & operations (All pilot areas)
- To identify gaps and recommend opportunities for improvement
- To develop PTT group 5-years plan of water demand & supply

2023 Key Activities	1	2	3	4	5	6	7	8	9	10	11	12
1 Expand into new pilot areas to improve water demand performance	■											
2 Develop Water flow diagram of new pilot areas					■							
3 Benchmark WWI (Water Withdrawal Intensity) and Water Consumption Efficiency of new pilot areas								■				
4 Conduct Water Pinch Analysis for improving Reuse and Recycle of all pilot areas									■			
5 Identify gaps and recommend opportunities for improvement											■	
6 Collect actual demand from PTT Group and develop PTT group 5-years plan of area-based water demand & supply (join with water supply)	■											



Potential Benefits / Strategic Value

- Best practice and synergy for PTT Group water efficiency improvement



Objectives

- Influencing public authorities, collecting & analyzing information, building network with government and domestic industrial water players for more effective water management
 - Water situation monitor and manage towards EEC water supply sufficiency in 2023-2024
 - Push forward to keep schedule of masterplan water supply development project(s) in EEC
 - Convey PTT group positioning towards govt. implementation and resolve industrial water management issues e.g. EEC water network concession and water regulator, industrial water tariff
- Seeking for alternative water sources for PTT group
- PTT Group emergency water supply planning, crisis preparedness and management
- To develop PTT group 5-years plan of water demand & supply

2023 Key Activity	1	2	3	4	5	6	7	8	9	10	11	12
Influencing Public Authorities: 1.1 Monitor and jointly manage with regional public-private collaboration (e.g. Keyman water war room, Basin committee) to ensure sufficient annual water supply	[Progress bar]											
1.2 Monitor and participate to FTI/TISA/PMC to keep schedule of govt. long-term investment according to EEC water resource development master plan and seek for PTT business opportunities	[Progress bar]											
1.3 Influencing public authority with FTI/TISA/PMC and driving PTT group water supply management positions towards govt. implementation (e.g. water network concession, water regulator, industrial water tariff)	[Progress bar]											
Alternative Water Source Seek for alternative water supply source project for PTT group (join with water business)	[Progress bar]											
PTT Group emergency water supply planning Coordinate and prepare emergency plan for PTT group			▼			▼			▼			▼
PTT group 5-years plan of water demand & supply Develop area-based water demand & supply plan for PTT group (join with water demand)	[Progress bar]											



Potential Benefits / Strategic Value

- Influencing public authorities for effective PTT group water supply management
- Security of water supply for PTT group and identify opportunities for domestic water business