

Oct.30, 2014

Japan Water Works Association General Assembly and Conference 2014

International Forum on Water Supply ~Management Solution and Future of Water Sector ~

The measures in Nagoya City

Waterworks and Sewerage Bureau



Nagoya-City Waterworks and Sewerage Bureau

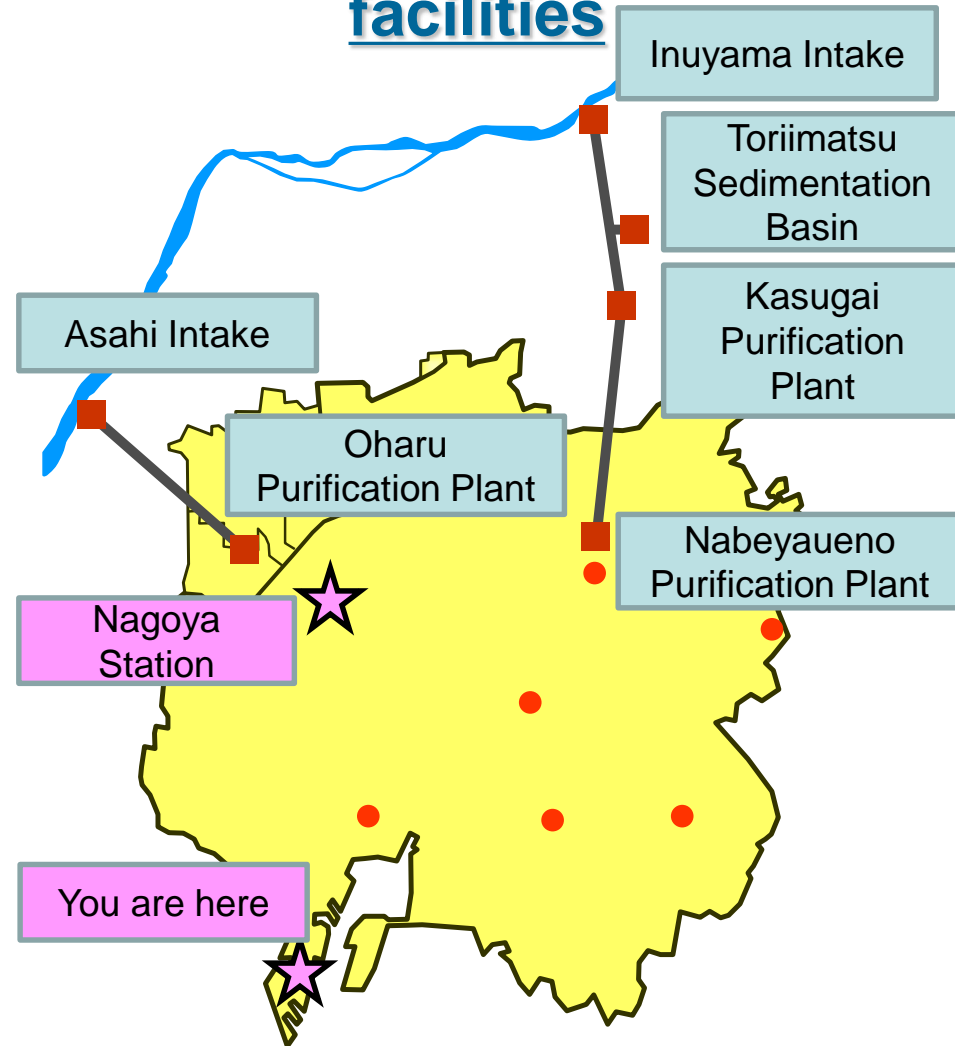
Kenji MORI

Introduction (about Nagoya)

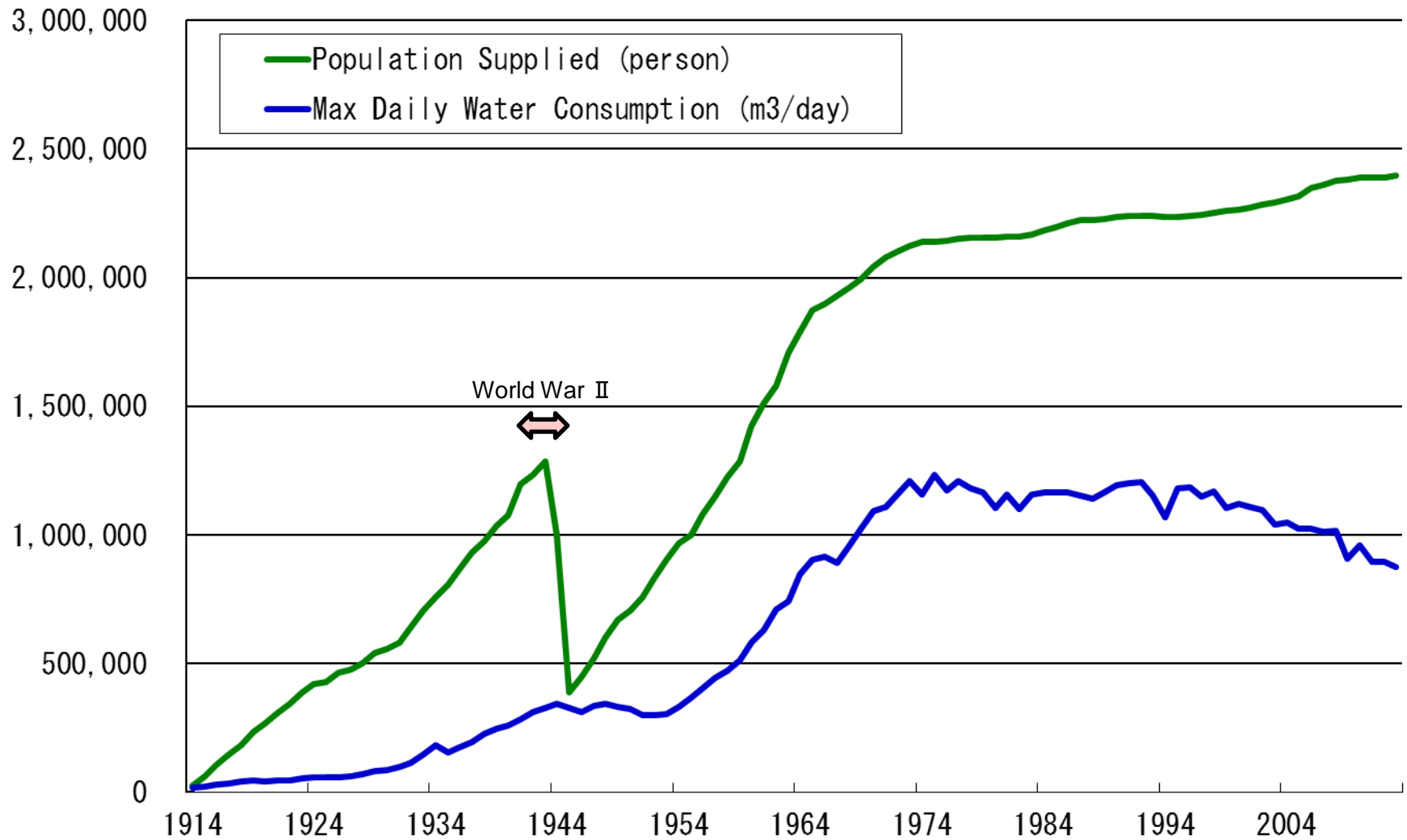
The overview of Nagoya waterworks

Foundation	In 1914
Served population	About 2.4million (2013)
Coverage	100.0% (2013)
Average daily consumption	About 770,000 m ³ /day (2013)
The number of employee	About 2,300 (2013)
Operation	Local government (Local public enterprise)

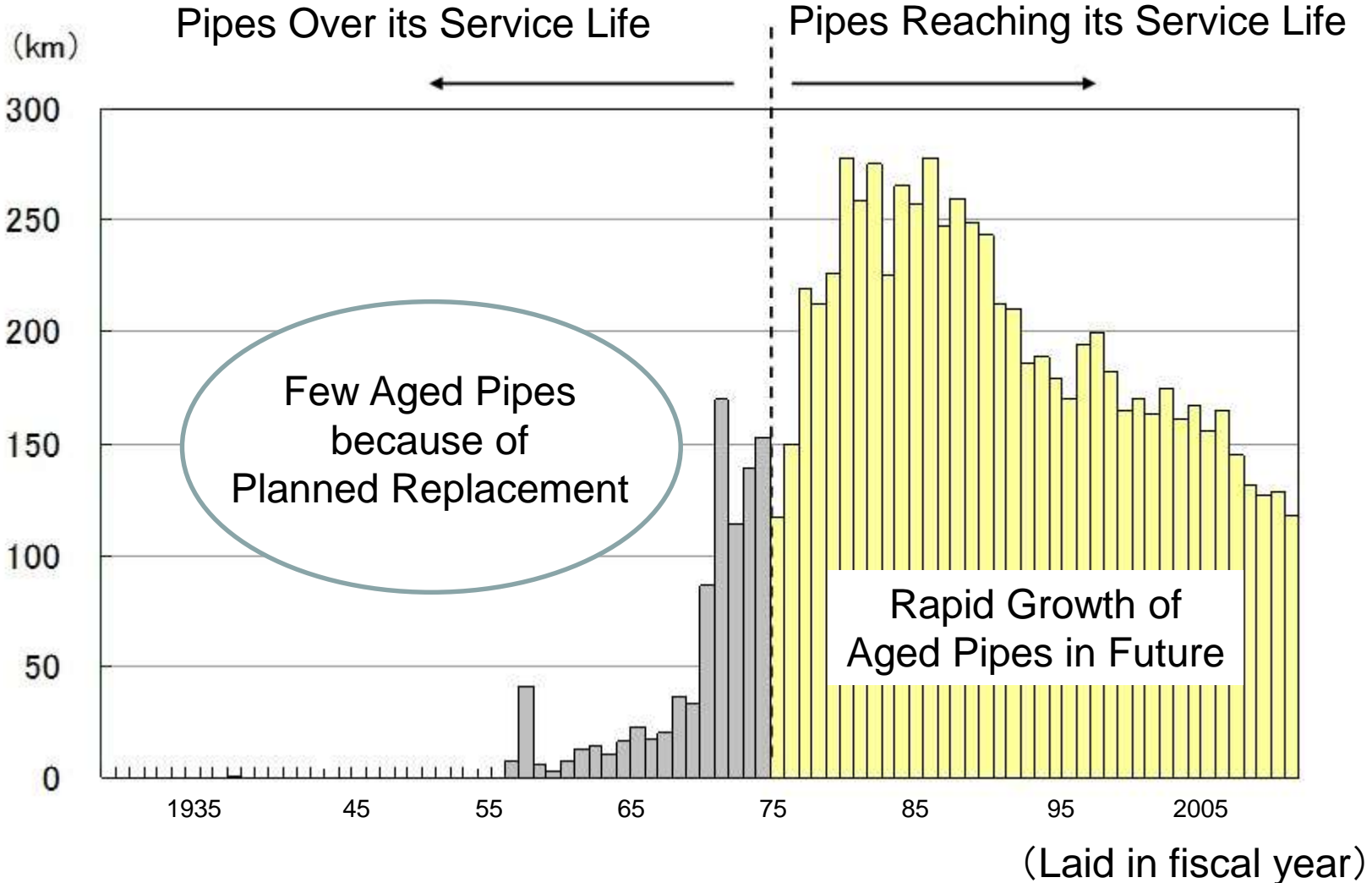
The arrangement of facilities



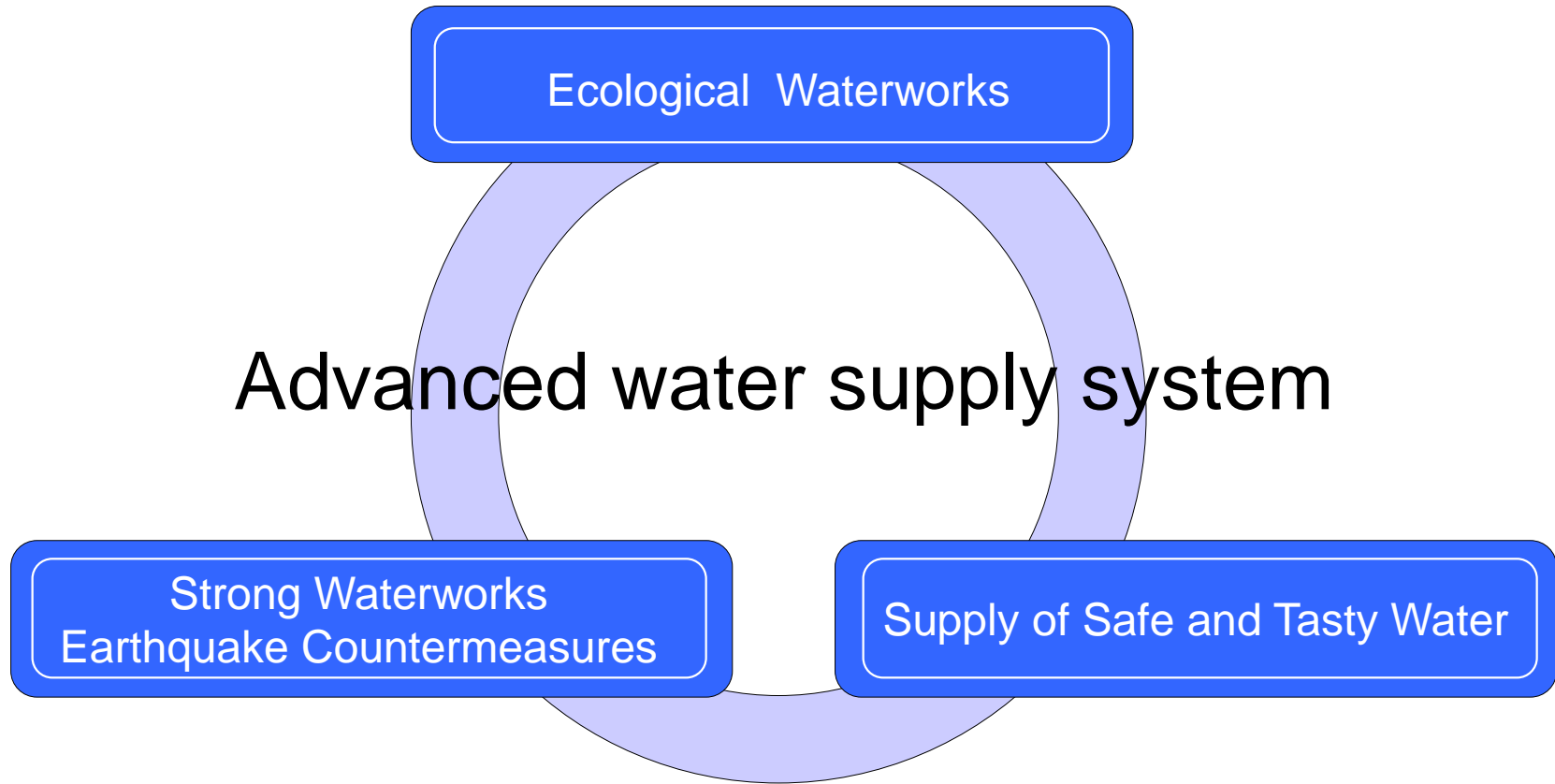
The Main Problem 1 (Changes in the Business Conditions)



The Main Problem 2 (Replacement of Aged Facilities)



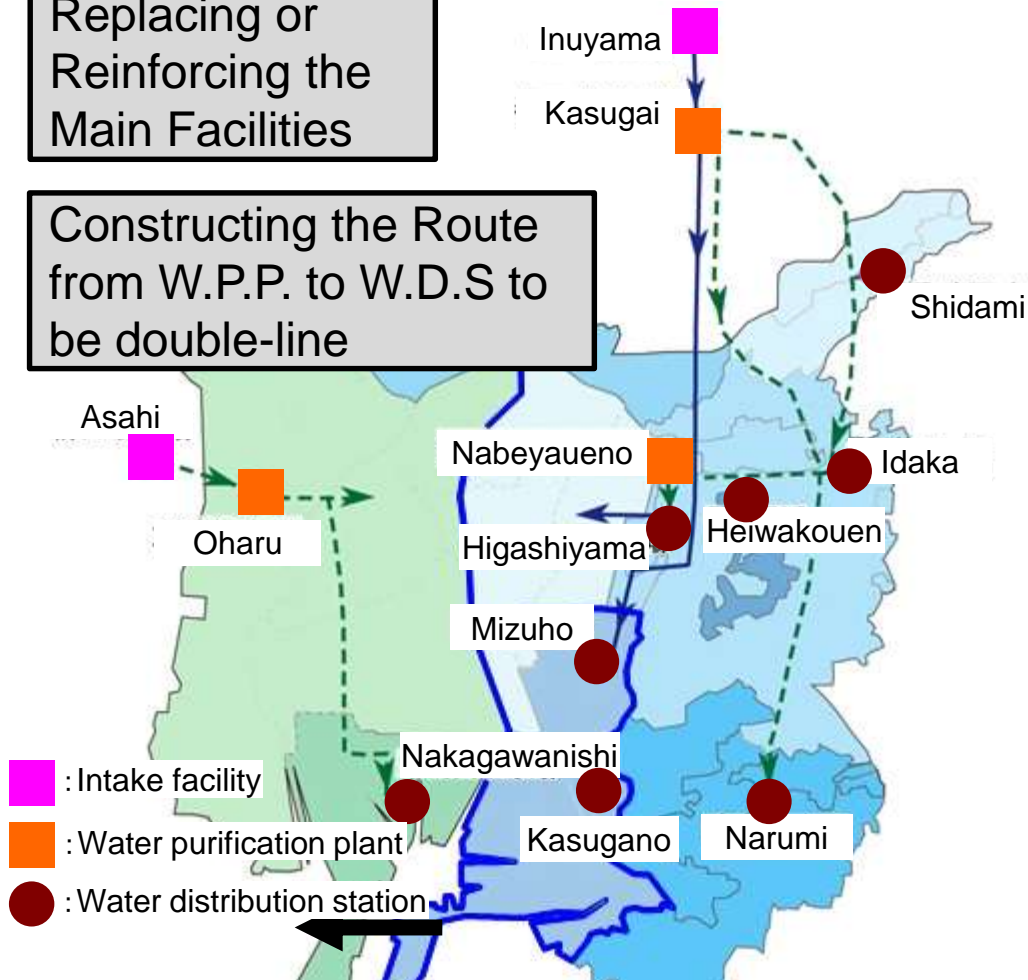
The Measures 1 Advanced Water Supply System



Advanced Water Supply System

Replacing or Reinforcing the Main Facilities

Constructing the Route from W.P.P. to W.D.S to be double-line



Rearranging Transmission Routes and Distribution Areas



Replacement of Slow Sand Filter in Nabeyaueno Purification Plant



Constructing Kasugai Transmission Pipes

The Measures 2 Earthquake Countermeasures

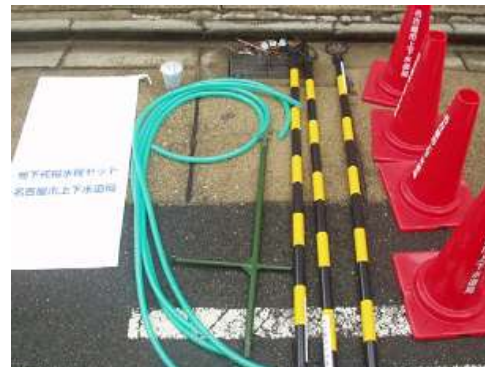
Emergency Water Supply Centers



Facilities for Emergency Water Supply



Emergency underground hydrants



Constructing at every Municipal Elementary School

Operated by Customers

The Measures 2 Earthquake Countermeasures

Supporting Activity in the Great East Japan Earthquake



Emergency Water Supply
in the Disaster Affected Area



Restoring Distribution Pipes

Emergency Drill in the local area to operate Emergency underground hydrants



The Measures 3 Supply Safe and Tasty Water



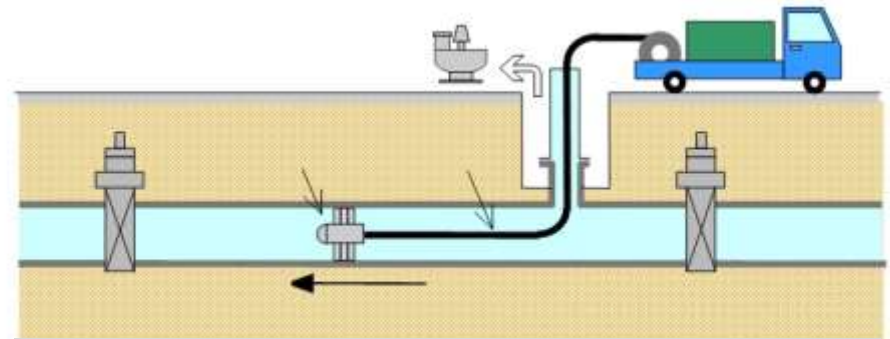
Management of Water Quality



Check Management of Customer's Receiving Tanks



Monitoring Source Water Quality



Cleaning inside of Distribution Pipes

The Measures 4 Public Relations Strategy

School Visiting



at Municipal Elementary School

Serving Cold Tap Water at Event



Directly Connected Cold Water Server "Kinko Sui"

Open W.P.P to Public



Nabeyaueno Purification Plant





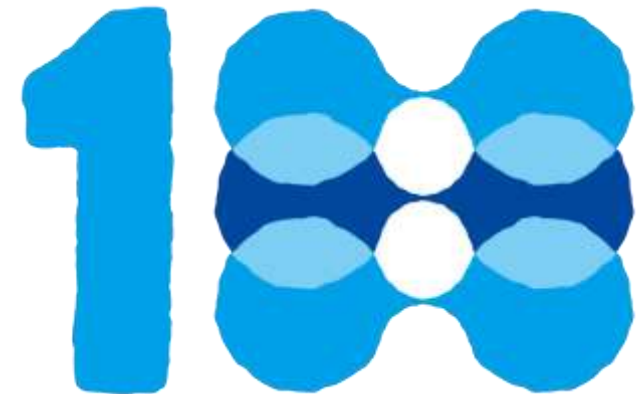
Repair of old Nabeyaueno Purification Plant no.1 Pump Station



Historical Museum of Waterworks and Sewerage

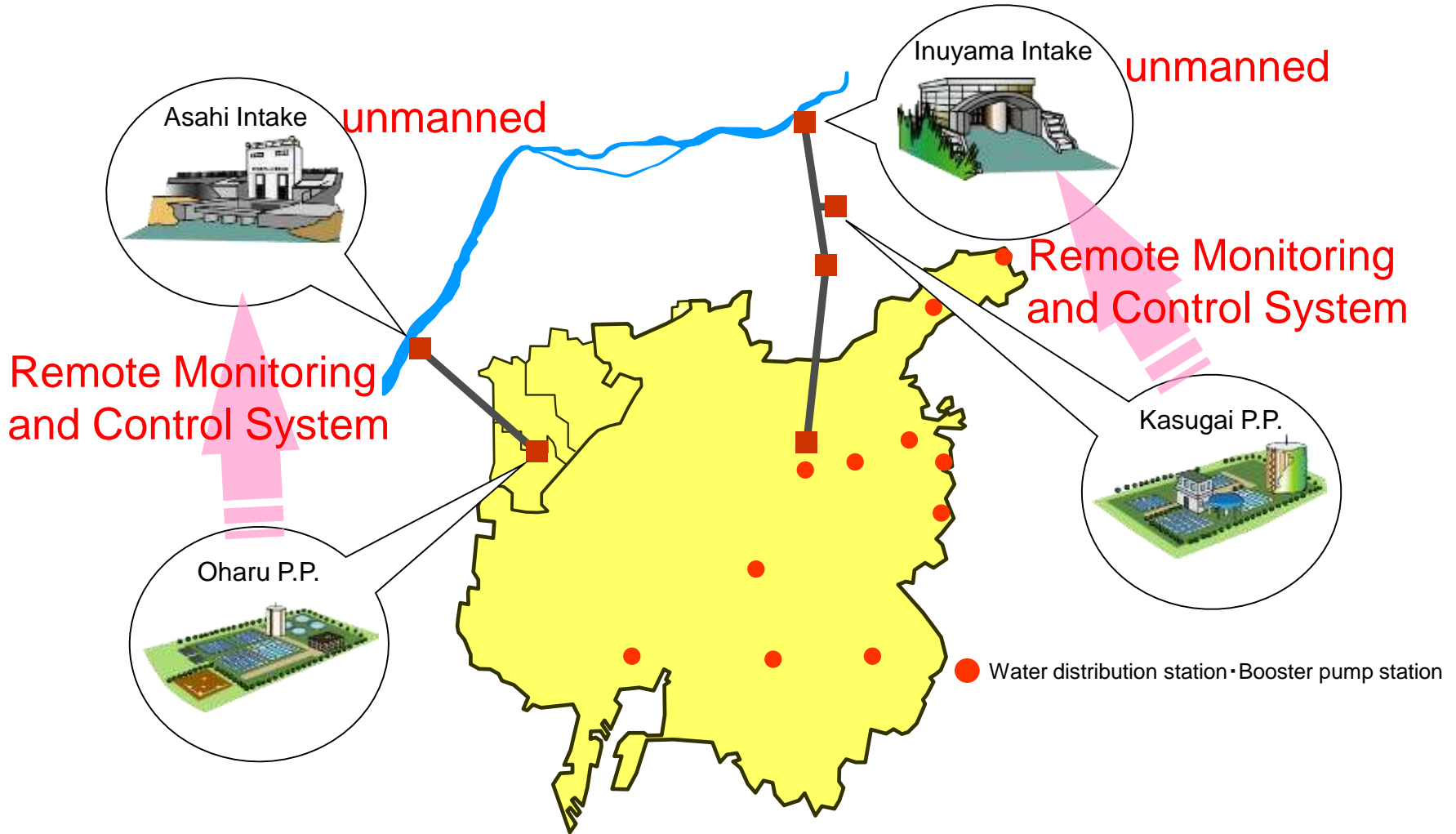


Photo Exhibition of Water History



The Measures 6 Improve Management Efficiency

Remote Monitoring and Control of Intakes

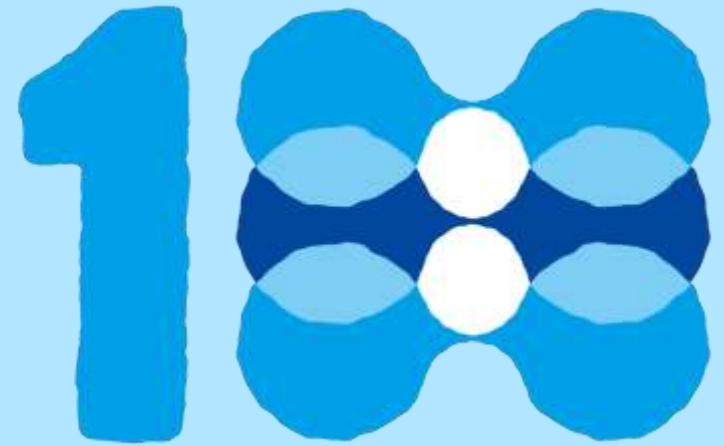


Concluding What Customers Expect to us

Questionnaire “What customers expect in the future ?”
to our registered monitors

1 st	Supply of Safe Water	89.0%
2 nd	Earthquake Countermeasures	67.6%
3 rd	Supply of Tasty Water	65.3%
4 th	Drought Management	56.1%
5 th	Keeping the Water Rates	45.1%
6 th	Environmental Friendliness	30.6%

The measures
are also for
Customers!



2012

The 100th Anniversary of Sewage Works

2014

The 100th Anniversary of Waterworks

Nagoya City Waterworks & Sewerage Bureau

Thank you for your kind Attention!