



# Water Resources Master Plan FACT SHEET

Jointly funded by the U.S. Environmental Protection Agency and the Guam Waterworks Authority.

## About the Master Plan

In June 2003, Guam Waterworks Authority (GWA), the U.S. Environmental Protection Agency (USEPA), and the Government of Guam (GOVGUAM) entered into an agreement called a Stipulated Order. Under this agreement GWA is completing a broad initiative — called the Water Resources Master Plan — to restore its facilities and to provide safe, reliable water and wastewater service to the island, while meeting all regulations. (The Stipulated Order is posted on GWA's Web site, <http://www.guamwaterworks.org>)

Planning for water resources is important to ensure that Guam's current and future generations have this important resource available to them, to make sure water is always safe to drink, and to ensure the water and wastewater system works for everyone. Headed by a team of independent experts working with GWA, the Water Resources Master Plan is examining GWA's existing water and wastewater system resources and identifying what needs to be built during the next 20 years to provide reliable service. It also identifies ways to improve service now.

## What Does a Master Plan Include?

Developing a master plan is more complicated than it sounds. It is truly a comprehensive document that will contain all the information needed for GWA to provide excellent service into the future. Here are some of the things GWA is working on as part of the Master Plan:

- Population forecasts
- Land use forecasts
- Water demand trends
- Detailed inventory of all facilities, including the condition,
- Expected life spans of those facilities
- Digitizing all system maps and drawings
- Geographical information system (detailed mapping of island water and wastewater utilities)
- Hydraulic models
- Financial projections and plans
- Description of current and planned construction and rehabilitation projects
- Staff teaching and empowerment
- Peer reviews of Master Plan
- Community activities

[www.guamwaterworks.org](http://www.guamwaterworks.org)

## The Master Plan Team

The Water Resources Master Plan is being developed using a "team" approach. GWA staff and consultants are working in partnership as an integrated project team to gather data and recommend asset management and capital needs. This effort also involves working with the entire GWA staff during the data gathering phase. GWA employees are receiving training in new technologies that will enable employees to work more effectively and efficiently in the future. The community is an important team member too. At the outset, GWA met with residents of villages throughout the island and is using that input to help develop the Master Plan. GWA will present a draft of the Master Plan to the community for review and comment before it is finalized.

## Schedule

As part of the Stipulated Order, the EPA requires GWA to make specific improvements or submit specific information to the EPA by certain dates. GWA has met most of the EPA's deadlines, but not all of them. GWA shares the EPA's goals of improving our system. GWA is making good progress on the Master Plan, working closely with the U.S. EPA and the Guam EPA to achieve the system improvements needed to provide excellent water and wastewater service to GWA customers. The Master Plan is scheduled to be completed in 2006.

**The Water Resources Master Plan is intended to improve reliability and safety in Guam's drinking water system, protect the environment and public health, and ensure the system runs efficiently for many more years to come.**

## Want More Information?

*For more information, please call Prudencio Aguon or Jude Calvo at 647-7887.*

*Comments can be sent by fax to 649-3750 or e-mail to*

*[prudencio@guamwaterworks.org](mailto:prudencio@guamwaterworks.org).*

*You can also visit the GWA Web site*

*to post your comments at*

*[www.guamwaterworks.org](http://www.guamwaterworks.org).*

*GWA is located at 578 North Marine Drive in Tamuning (along Route 1, Upper Tumon, behind TeleGuam).*