



AYALA
PROPERTY
MANAGEMENT
CORPORATION

PRESENTATION WITH LLDA/NARBO Alabang Waterworks Operation

May 30, 2007



Presentation Outline

Background of Operation

- Ayala Alabang Village Development
- Water Sources
- Existing Facilities
- Sources of water and area of distribution
- Water Supply Capacity
- Actual Sales and Production Volume

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BACKGROUND OF OPERATIONS

- **Ayala Alabang Village, 680 hectare development started to operate in 1978**
 - ✓ Residential
 - ✓ Commercial
 - ✓ Business Park
- **Ayala Corporation, being the developer, provided the water services to customers**
 - ✓ Operate water distribution system through direct feed deepwells and water reservoir
 - ✓ Provide adequate and safe supply of water 24 x 7
 - ✓ Maintain pressurized water supply: 20 pounds per sq inch (psi)
 - ✓ Ensure environmental protection through treatment of wastewater at Sewage Treatment Plant (STP)
 - ✓ Billing and Collection
- **Water services operations was granted by National Water Resources Board (NWRB) through Certificate of Public Convenience (CPC)**
 - ✓ Not yet covered by MWSS services
 - ✓ No water district office for Muntilupa



WATER SUPPLY AND DEMAND SITUATION

- **Water Source Background**
 - ✓ Originally, Ayala Alabang Village has 30 deepwells operational
 - ✓ 10 years later, number of operating deepwells in AAV reduced to 22
 - ✓ In 1990s, other water source opportunity was identified outside AAV
 - Additional Eight (8) deepwells in Putatan
 - ✓ Filtration Plant 1 started operation in 1994 with 5,000 cubic meter/day capacity
 - ✓ Filtration Plant 2 was built and completed in 1996



BACKGROUND OF OPERATIONS

➤ Existing Water Facilities

Ayala Alabang

- ✓ 15 Deepwells with individual Lakos filter system (6,785 cum/ day)
 - Direct pumping to concessionaires
- ✓ Two (2) partially elevated water reservoirs
 - 4.5 million gallons (17,030 cubic meters)

Putatan

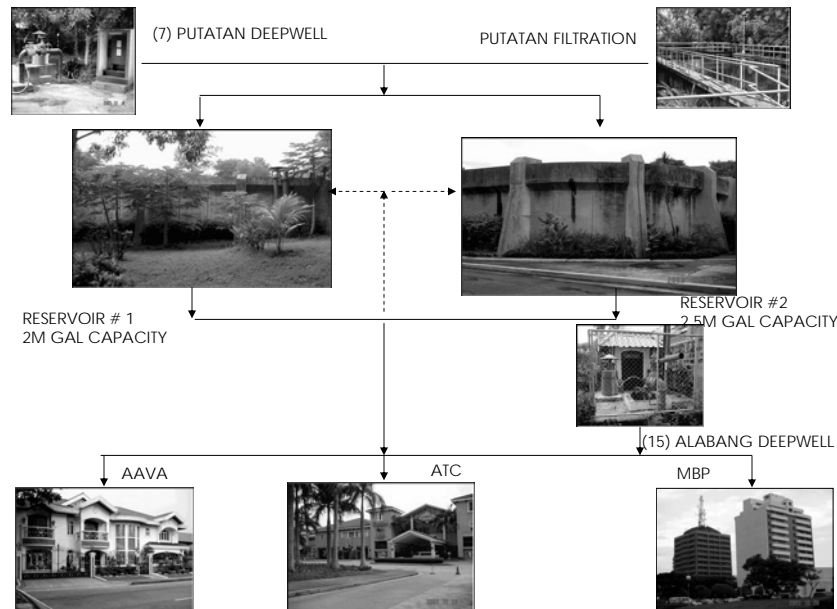
- ✓ 7 Deepwells pumping to AAV reservoirs (9,643 cum/day)
- ✓ Two (2) mini-filtration plant (10,000 cum/day cap)
- ✓ Two (2) parallel transmission pipes to AAV reservoirs (4.0 km)

➤ Existing Wastewater Treatment Facilities

- ✓ 10,000 cum/day capacity STP
- ✓ Five (5) Lift stations
- ✓ Waste water networks facilities

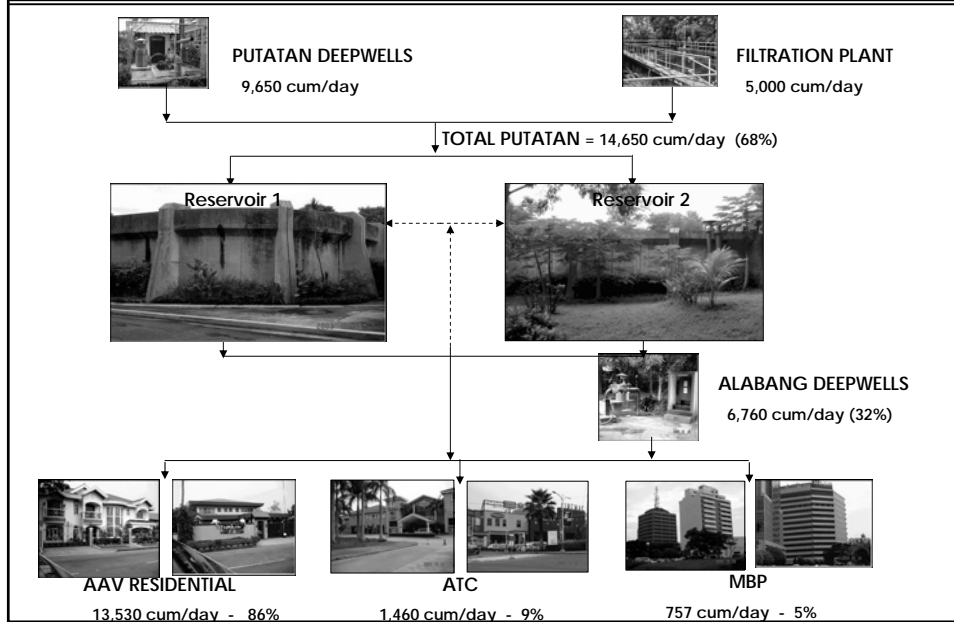


SOURCES OF WATER AND AREA OF DISTRIBUTION Alabang Waterworks

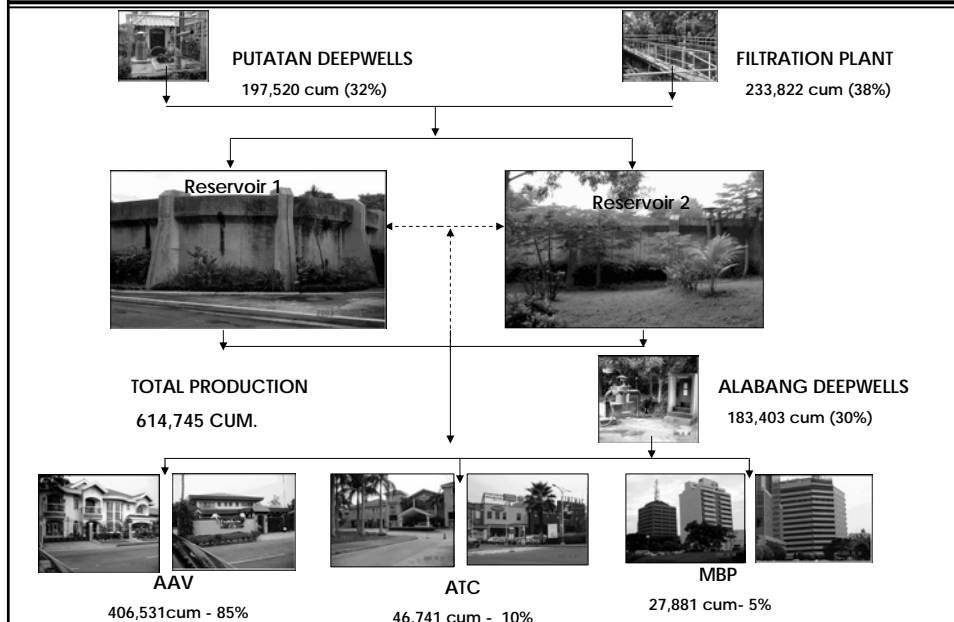




WATER SUPPLY CAPACITY AND DISTRIBUTION



WATER PRODUCTION AND SALES VOLUME April 2007





SERVICE LEVEL STANDARD

	Standard limit per NWRB/PNSDW	Alabang Waterworks	MWC/ Maynilad	Alabang Hills	Tahanan Village
Water supply adequacy	50 liters per capita daily consumption	402.65 liters per capita/day	312 liters per capita /day	262 liters per capita/day	143 liters per capita/day
Water supply availability	At least 2 hrs/day	24 hrs/day	MWC; 24 hrs/day-95% Maynilad: 24 hrs/day-45%	2 hrs/day	2-4 hrs/day
Water pressure	20 psi	20 psi	7 psi	-	-
Water quality	95%-100% satisfactorily	100%	95%	100%	100%
Water meter accuracy	Calibrated/ sealed meter	Calibrated / sealed meter	Calibrated/ Sealed	Calibrated/ Sealed	Calibrated/ Sealed
Ave. Water rates (For a 100 cu.m. consumption)	As approved	13.45	MWC: 25 Maynilad: 40.6	200.00	53.50

Thank You