

WaterLi



Partnerships for Better Water and Sanitation Services in Asian Cities

Paul Violette Chief of Party USAID Environmental Cooperation – Asia March 6, 2012





about WATERLINKS

- Regional partnership network dedicated to facilitating and promoting twinning or water operator partnerships (WOPs) in the Asia-Pacific
- Founded by ADB, IWA and USAID in 2008
- Mission: to catalyze measurable change in the delivery of safe water and sustainable sanitation services to urban residents through partnerships
- Work with urban water and wastewater service providers across Asia-Pacific
- Cooperating with ESC since inception







network ACTIVITIES

WOPs

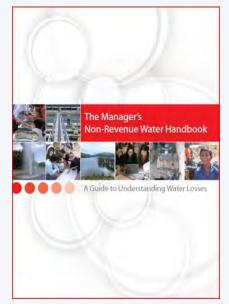






TRAINING & TOOLKITS





WATERLINKS AWARD



ANNUAL FORUM



more Events

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wop FOCUS AREAS

- Key focus areas
 - Water quality management
 - Water loss reduction
 - Continuous water supply
 - Piped water for the urban poor
 - Asset management
 - Septage/wastewater management
 - Services promotion
 - Climate change adaptation
 - Energy efficiency









waterlinks PRINCIPLES

- Not-for-Profit WOPs operate on a non-profit basis
- Counterpart Exchange practitioner-to-practitioner cooperation
- **Demand Driven** WOPs reflect partner interest and needs
- **Reciprocal Benefits** benefits are mutual though not equal
- **Results** WOPs result in measureable outcomes and impacts
- Scale up and Replication WOPs transfer proven innovation
- **Cost sharing** partners contribute in-kind or direct funding





waterlinks RESULTS

- **50** partnerships facilitated across the Asia-Pacific
- **1,000,000** people with improved WATSAN services
- **100,000** low-income residents with first time WATSAN services
- **2,500** staff from service providers with new skills
- **I 50** practical innovations demonstrated and adopted.
- \$10,000,000 capital and capacity investments by services providers.
- <u>Mentors</u>: Australia, Cambodia, India, Korea, Macao, Malaysia, Maldives, New Zealand, Philippines, Singapore, Taiwan, U.S.
- <u>Recipients</u>: Cambodia, China, India, Indonesia, Laos, Pacific Islands, Pakistan, Philippines, Sri Lanka, Thailand, Uzbekistan, Vietnam





water supply URBAN POOR CONNECTION (examples)

- Maynilad Water (PH) & PDAM Tirtanadi (IN)
 - Community engagement and partnerships
 - Piped water service delivery models, NGO support
 - <u>17,500</u> low income residents with new water service
- Manila Water (PH) & PDAM Kota Surabaya (IN)
 - Master meter schemes
 - Customer surveys and outreach
 - Decentralized management system
 - Strengthened customer-PDAM relationship
 - <u>15,000</u> low income residents with new water service







water supply CONTINUOUS SERVICE (examples)

- Ranhill Utilities (MY) & MJP (IN)
 - Maharashtra state Badlapur, Amravati, Yavatmal
 - NRW management approach DMA, leak reduction, pressure control, hydraulic modeling
 - <u>36,000 HHs</u> with improved and continuous supply
 - MJP mentoring other providers in Rajasthan
- Penang Water (MY) & PDAM Palembang (ID)
 - NRW management approach
 - <u>25,000 HHs</u> with improved supply
 - PERPAMSI and Penang Water sign agreement on training for other PDAMs
 - Palembang becoming mentor for other PDAMs



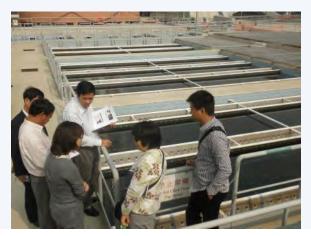




water supply WATER QUALITY MANAGEMENT (examples)

- Macao Water (PRC) & Khanh Hoa Water (VN)
 - WTP optimization, laboratory operations, sampling and monitoring, residuals chlorine management
 - Khanh Hoa invested in new chlorine booster, reservoir cleaning operations, and sampling equipments
 - <u>6,000 HHs</u> with safer water supply
- K-Water (KR) & PWA Khon Khaen (TH)
 - WTP optimization, residual chlorine management, SCADA, laboratory improvements
 - PWA invests USD500,000+ for upgrades
 - <u>20,000 HHs</u> with improved piped water quality
 - Secondment of K-Water staff at PWA for I year



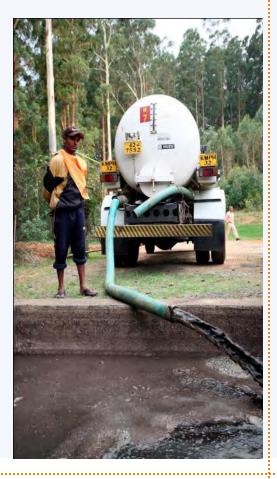






sanitation SEPTAGE MANAGEMENT (examples)

- Partnerships
 - Indah Water Konsortium (MY) & Haiphong Sewerage and Drainage (VN)
 - IWK/Maynilad & Baliwag & Cabanatuan WD (PH)
 - IWK & PD PAL Jaya/PDAM Kota Bandung (ID)
- Activities and Outcomes
 - Desludging program business planning, data management, collection/treatment optimization, SOPs, awareness raising
 - Expanded service for <u>6,000 HHs</u> in Vietnam
 - Targeting <u>20,000 HHs</u> in Indonesia and the Philippines
 - Replication through local networks/agencies (PAWD, BAPPENAS programs)







climate CHANGE

- Adaptation to climate change impacts
 - Palm Beach County Water (US) & Manila Water/Maynilad Water (PH)
 - Integrating climate change adaptation into water resource and supply planning processes
 - Collaboration with US National Center for Atmospheric Research (NCAR)
- Greenhouse gas emissions mitigation
 - Las Vegas Valley Water (US) & Metro Cebu Water (PH)
 - Energy efficiency and use reduction
 - 5% reduction in energy use









lessons LEARNED

- Peer-to-peer knowledge sharing is an important catalyst for positive change.
- Effective facilitation and close coordination is central to successful partnerships.
- Success depends on the careful definition of partner priorities, contributions and responsibilities in a joint work program.
- Cost-sharing ensures ownership and tangible outcomes.
- Limiting timeframe (12-18 months) can improve results.





waterlinks EXPANSION

- Demand for partnerships increasing
- WaterLinks selected as regional network under Global WOP Alliance
- WaterLinks Center established in Manila in 2011
 - Matchmaking, facilitation
 - Organizing training and workshops
 - Toolkits, knowledge products
- Continuing assistance from founding partners, as well as support from new partners, including private sector partners



• WaterLinks continuing cooperation with networks, including ESC Initiative







FOR MORE INFORMATION:

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