

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** 

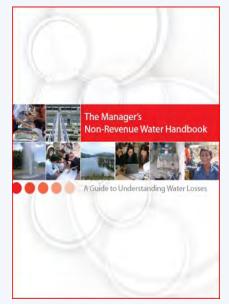






**TRAINING & TOOLKITS** 





#### WATERLINKS AWARD



#### **ANNUAL FORUM**



more Events

#### **KNOWLEDGE MANAGEMENT WaterLinks** Log In | Register | Contact Us WHO WE ARE WHO WE WORK WITH WHAT WE DO PARTNERSHIPS NEWS & EVENTS 2 EXCHANGE RECENT NEWS Partnerships WaterLinks Partnership Program Expanded in India WaterLinks Presents Water Operators Partnership Awards 12 May 2010 WaterLinks Newsletter Launched 3 May 2010 Indian Water Operators Initiate Partnership to Replicate Successful Model for Continuous Water Supply 30 Apr 2010 more News WATER OPERATORS > DEVELOPMENT WATER UPCOMING EVENTS Water Critis and Choices - ADB and Partners Conference 2010 11 Oct 2010 - 15 Oct 2010 ADB Headquarters, Manila, ANNOUNCEMENT WOP MAP Water<sub>Crisis</sub> Philippines and Cho Water Crisis and Choices Water Crisis and Choices Workshop - Water Operators Partnerships: Helping Water Operators Meat the MD0s 15 Oct 2010 ADB Headquerters, Manila, Water Operators' Map & Profiles ADB and Partners Conference 2010 Indian Utility Provides Continuous Water Watertinks narmers are omanising a Through its water operator WaterLinks partners are organizing -half-day workshop to take place on the final day of the Water Crisis and Choices Conference 2010 at ADB Headquarters in Mania on October 11-15, >>Read More To help operators interested in participating in WOPs find suitable partners, we've created a database the profiles of existing participating operators. To browse the profiles in perators. partnership with Ranhill Utilices, Indian state utility Maharashtra Jeevan Pradhikaran provided 64,000 The IWA Water Safety Conference 2010 residents with contin water supply. >>Read More either list or map form, dick here.

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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



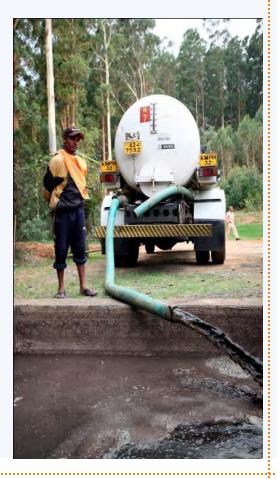






# sanitation SEPTAGE MANAGEMENT (examples)

- 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:

#### www.waterlinks.org

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