

Municipal PPP Case Studies by Sector

Innovative Revenues for Infrastructure Guidelines (IRI)

Municipal PPP Case Studies by Sector

Case Studies with examples of global best practices for commercial value capture in PPP projects. Below are project summaries of these PPP projects categorized by sector.

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Case Studies with examples of commercial value capture divided in various sectors. Alternatively, view them by [Country](#) or [Category](#). The World Bank's [Municipal Public-Private Framework Case Studies](#) includes around 100 Project Summaries with examples of commercial value capture in various sectors and from countries around the world. To find more see [Municipal Public-Private Partnership Framework](#).

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Transportation

Integrated Multi-Modal Transportation

- [Moncloa Transportation Exchanger, Madrid, Spain](#)

Railways

- [Hong Kong Mass Transit Railway Corporation, Hong Kong SAR, China](#)
- [Yongin Everline Light Rail Transit, Seoul, Republic of Korea](#)

Buses

- [Sheberghan City Bus Terminal, Sheberghan, Afghanistan](#)
- [Modern Bus Terminal and Municipal Market, Danli, Honduras](#)
- [Bus Terminal-cum-Commercial Complex, Mohali, India](#)
- [Amritsar Intercity Bus Terminal, Punjab, India](#)
- [Bus Terminal and Commercial Complex, Dehradun, India](#)
- [Urban Transport Services, Peja, Kosovo](#)

- [Transmilenio Bus Rapid Transit Project, Bogotá, Colombia](#)

Airports

- [Pulkovo International Airport, St. Petersburg, Russia](#)
- [Commercial and Landside Operations of I Gusti Ngurah Rai International Airport, Bali, Indonesia](#)

Ports

- [Tecon 1 Container Terminal at Suape Port, Pernambuco, Brazil](#)
- [Doraleh Container Terminal, Djibouti](#)

Roads, Tunnels, and Bridges

- [Bundled Bridge Replacement, Pennsylvania, United States](#)
- [Hangzhou Bay Bridge, China](#)
- [Cross-City Tunnel, Sydney, Australia](#)

Water Supply and Sanitation

Water Supply Services

- [Water and Sanitation System, Bucharest, Romania](#)
- [Small Scale Water Infrastructure, Busembatia, Uganda](#)
- [Drinking Water Supply, Jakarta, Indonesia](#)
- [Desalination Plant, Ensenada, Mexico 22. Challenging Case: The Dar Es Salaam Water and Sewerage Authority \(DAWASA\), Dar es Salaam, Tanzania](#)
- [Water Supply Project, Mysore, Karnataka, India](#)

Wastewater Treatment

- [Waste Water Treatment Plant, Udaipur, India](#)
- [Integral Treatment of Wastewater and Bio-Solids, Municipality of Saltillo, Mexico](#)
- [Industrial Water Supply, Surat Municipal Corporation, India](#)

Solid Waste Management

- [Municipal Waste Thermal Treatment Plant, Poznań, Poland](#)
- [Municipal Solid Waste Treatment Project, Wenzhou, China](#)
- [Keppel Seghers Waste-to-Energy Plant, Singapore](#)
- [Solid Waste Management, West Bank and Gaza](#)

Information & Communication Technology (ICT)

- [IT Network Integration, Barcelona, Spain](#)
- [Next Generation Nationwide Broadband Network, Singapore](#)
- [Free Public Wi-Fi and Interactive Kiosks Project, Kansas City, United States](#)
- [Establishment of High Capacity Wireless Infrastructure, Pimpri-Chinchwad, Maharashtra, India](#)
- [Municipal Geographic Information System \(GIS\), Surat Municipality, India](#)
- [Smart Poles and Streetlights, Bhopal, Madhya Pradesh, India](#)
- [Bangalore One, Government of Karnataka, India](#)

Public Markets

- [Mandaluyong City Market, Manila, Philippines](#)

- [Pike Place Market, Seattle, United States](#)
- [Bocause Public Market, Bocause, Bulacan, Philippines](#)

Food Infrastructure

- [Slaughterhouse Redevelopment, Cagayan de Oro City, Philippines](#)
- [Grain Silos Project in Punjab, India](#)
- [Kalangala Integrated Infrastructure Programme, Bugala Island, Uganda](#)

Public Parking

- [Automated Multi-level Car Park, Connaught Place, New Delhi, India](#)
- [Underground Parking and Commercial Services Center, San Borja, Peru](#)
- [Parking Area under Rivera Navarette Avenue in San Isidro, Peru](#)
- [Queen Elizabeth II Medical Center Car Parking Project, Western Australia, Australia](#)
- [Multi-level Car Parks in Thimphu City, Bhutan](#)

Government and Judicial Facilities

- [Administrative Center, Tlajomulco Municipality, Jalisco, Mexico](#)
- [Bundled Courts Project, Ireland](#)

Urban Development

- [City Improvement Districts, Johannesburg, South Africa](#)
- [Durban Point Waterfront Development Project, EThekweni, South Africa](#)
- [Croydon Council Urban Regeneration Vehicle, London Borough of Croydon, United Kingdom](#)
- [Redevelopment of Library and Fire Station, Washington, District of Columbia, United States](#)
- [Fire Station Refurbishment, Chapel Hill, North Carolina, United States](#)
- [Capitol Crossing, Washington, District of Columbia, United States](#)
- [Downtown Renewal, Silver Spring, Maryland, United States](#)
- [South Waterfront Central District Greenway, Portland, Oregon, United States](#)
- [Mixed Use Development, Virginia Beach, Virginia, United States](#)
- [Long Beach Civic Center Project, Long Beach, California, United States](#)

Affordable Housing

- [Regent Park Affordable Housing Project, Toronto, Canada](#)
- [Sustainable Housing Project in Turin, Italy](#)
- [Challenging Case: Slum Rehabilitation Scheme, Maharashtra, India](#)
- [Challenging Case: Dege Eco Village, Dar es Salaam, Tanzania](#)
- [Challenging Case: Unity Housing Estate, Bauchi Town, Nigeria](#)

Sporting, Cultural, and Tourism Venues

Sports Centers

- [Sports Hub, Singapore](#)
- [Ricoch Coliseum at Exhibition Place, Toronto, Canada](#)
- [Campin Coliseum \(Movistar Arena\), Bogota, Colombia](#)
- [Aquanova America, Saint-Dié-des-Vosges, France](#)

Cultural Heritage

- [Düsseldorf Museum, Kunstpalast, Germany](#)
- [Akaretler Row Houses, Istanbul, Turkey](#)
- [Challenging Case: Jal Mahal Palace in Jaipur, India](#)
- [Elbphilharmonie, Hamburg, Germany](#)

Tourism

- [Bundled State Parks, California, United States](#)
- [Marine Sanctuary and Forest Preserve, Chumbe Island, Tanzania](#)
- [Kruger National Park, South Africa](#)
- [Jozini Tiger Lodge, Jozini Municipality of KwaZulu-Natal, South Africa](#)

Energy

Heating Supply

- [Qiaoxi District Central Heating, Zhangjiakou, China](#)

Renewable Energy

- [Roof-top Solar Program, Gujarat, Gandhinagar, India](#)
- [Bioenergy Plant, Nuevo Leon, Mexico](#)
- [Rooftop Solar PV and Energy for Underserved Communities, Connecticut, United States](#)

Street Lighting

- [Street Lighting Project, Nasik, Maharashtra, India](#)
- [Energy-efficient Street Lighting, Bhubaneswar, Odisha, India](#)
- [Reconstruction, Management, and Maintenance of Street Lighting and Other Public Facilities, Juvignac, France](#)

Education

- [Bundled Schools, Ireland](#)
- [Free Computer Training for Underprivileged Children, Kolkata, West Bengal, India](#)
- [Mafra and Ericeira Business Factory, Portugal](#)
- [James F. Oyster Bilingual Elementary School, Washington, District of Columbia, United States](#)
- [Varaždin County School Program, Croatia](#)
- [Public Schools, Belo Horizonte, Minas Gerais, Brazil](#)
- [The North Toronto Collegiate Institute \(NTCI\), Toronto, Canada](#)
- [Kenyatta University Hostels, Kenya](#)

Healthcare

Hospitals

- [Inkosi Albert Luthuli Hospital, KwaZulu-Natal, South Africa](#)
- [Challenging Case: Construction of District Hospital, ?ywiec, Poland](#)
- [Majadahonda's Puerta de Hierro Hospital, Madrid, Spain](#)

Clinical Services

- [Challenging Case: Hemodialysis Centers, Dhaka and Chittagong, Bangladesh](#)
- [Hemodialysis Center at the National Kidney and Transplant Institute, Quezon City, Manila, Philippines](#)
- [Dialysis Services in Andhra Pradesh, India](#)

Find more @ [The Municipal Public-Private Partnership Framework - Project Summaries](#)

Check the Guidelines applying Commercial Value Capture (CVC) in infrastructure projects [Section Overview](#) or check the [Content Outline](#)

Sections

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Research and Publications in PPPRC

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The [Guidelines on Innovative Revenues for Infrastructure \(IRI\)](#) is intended to be a living document and will be reviewed at regular intervals. They have not been prepared with any specific transaction in mind and are meant to serve only as general guidance. It is therefore critical that the Guidelines be reviewed and adapted

for specific transactions.

To find more, visit the [Innovative Revenues for Infrastructure](#) section and the [Content Outline](#), or [Download the Full Report](#). For [feedback](#) on the content of this section of the website or suggestions for links or materials that could be included, please contact the Public-Private Partnership Resource Center at ppp@worldbank.org.