

By-product Commercialization

Municipal PPP Project Summaries

By-product Commercialization e.g. refuse derived fuel, methane capture, biochar, energy-from-waste, compost or recycling.

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By-product Commercialization, Steel pipelines and cables in a plant

Case studies on by-product Commercialization e.g. refuse derived fuel, methane capture, biochar, energy-from-waste, compost or recycling.

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. Below is a list of projects and project summaries which use **By-product Commercialization** as innovative sources of funding.

To find more see [Municipal Public-Private Partnership Framework](#).

List of Projects: By-product Commercialization

- [Waste Water Treatment Plant, Udaipur, India \(24\)](#)
- [Integral Treatment of Wastewater and Bio-Solids, Municipality of Saltillo, Mexico \(25\)](#)
- [Industrial Water Supply, Surat Municipal Corporation, India \(26\)](#)
- [Municipal Waste Thermal Treatment Plant, Poznań, Poland \(27\)](#)
- [Keppel Seghers Waste-to-Energy Plant, Singapore \(29\)](#)
- [Free Public Wi-Fi and Interactive Kiosks Project, Kansas City, United States \(33\)](#)
- [Establishment of High Capacity Wireless Infrastructure, Pimpri-Chinchwad, Maharashtra, India \(34\)](#)
- [Municipal Geographic Information System \(GIS\), Surat Municipality, India \(35\)](#)
- [Bioenergy Plant, Nuevo Leon, Mexico \(65\)](#)

Project Summaries

water treatment type unknown

[Waste Water Treatment Plant, Udaipur, India](#)

wastewater treatment

[Integral Treatment of Wastewater and Bio-Solids, Municipality of Saltillo, Mexico](#)

water supply type unknown

[Industrial Water Supply, Surat Municipal Corporation, India](#)

waste thermal treatment

[Municipal Waste Thermal Treatment Plant, Poznań, Poland](#)

waste-to-energy not found or type unknown

[Keppel Seghers Waste-to-Energy Plant, Singapore](#)

Internet image not found or type unknown

[Free Public Wi-Fi and Interactive Kiosks Project, Kansas City, United States](#)

network not found or type unknown

[Establishment of High Capacity Wireless Infrastructure, Pimpri-Chinchwad, Maharashtra, India](#)

GIS not found or type unknown

[Municipal Geographic Information System \(GIS\), Surat Municipality, India](#)

factory not found or type unknown

[Bioenergy Plant, Nuevo Leon, Mexico](#)

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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.