

Solid and Industrial Waste:

Your community has a problem

1.3 billion metric tons of solid waste per year, amounting to a footprint of 1.2 kilograms per person per day/2.64 pounds per person per day

66% ends up in landfills or worse places!



Plastic Waste:

An even bigger problem, sadly, you are not alone...

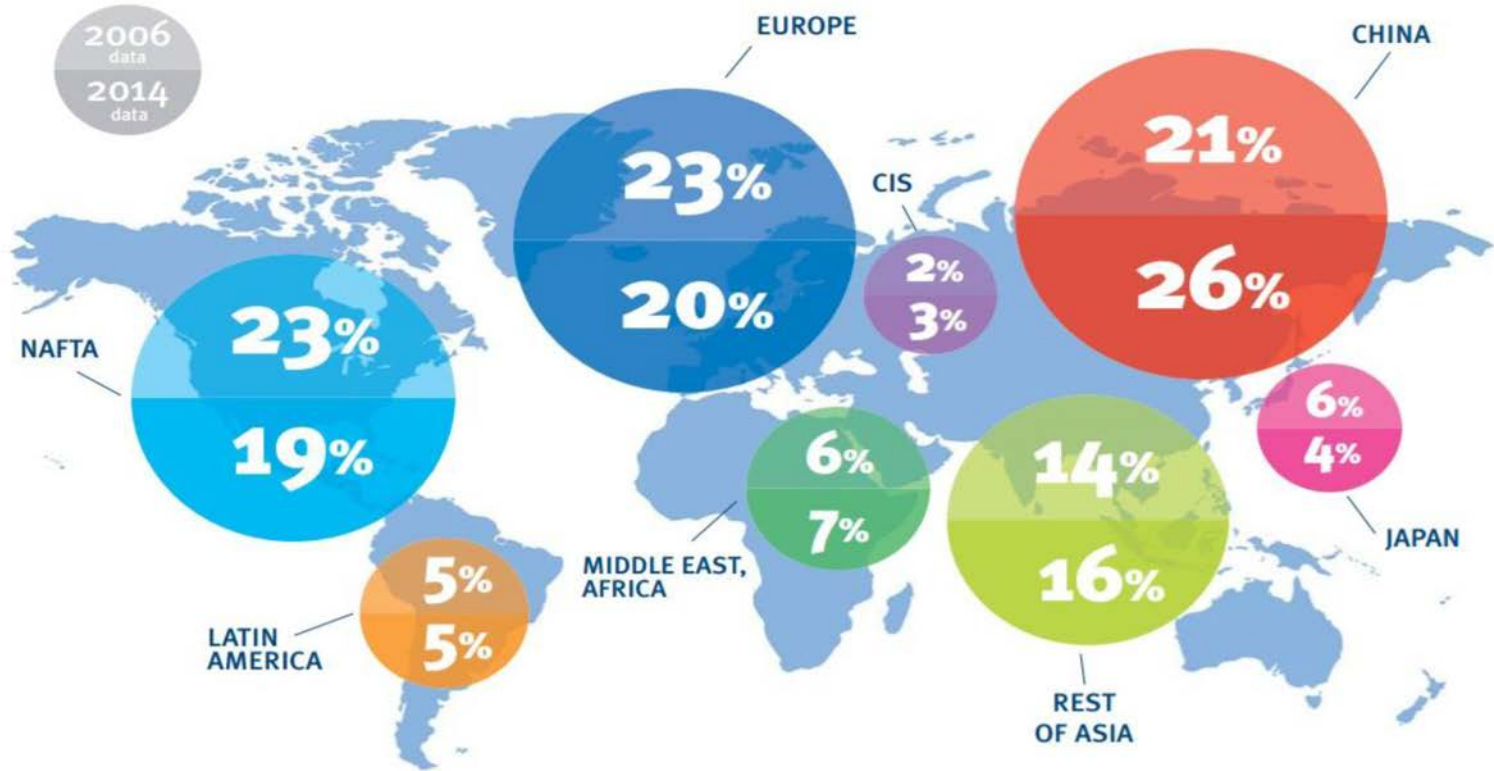


A Whopping 91% of Plastic Isn't Recycled

Of the **8.3 billion** metric tons that has been produced
(25,000 Empire State Buildings),
over 7.5 billion metric tons has become plastic waste!

Global contribution to plastics problem

China is the largest producer of plastics materials*, followed by Europe



Source: PlasticsEurope (PEMRG) / Consultic

* Plastics materials: only thermoplastics and polyurethanes

2014 World production of plastics materials*: 260 m t

We can help you overcome both solid and hazardous waste problems with our technology:

EcoBalpac WT 50™ – 100% Conversion - 90% Waste Elimination Converts Waste to Natural Gas and carbon capturing bio-char in a

Six Sigma Clean Process!



Recycles 100% of the available energy in waste streams, Eliminates 90% of all waste volumes including Plastics, Oil waste, Red Bag waste and Industrial hazardous waste... creates Green Energy!

99.999984% Clean!

***90% Landfill reduction!
Optional Electricity @ \$0.055/kwh***

How Efficient Is Electricity Production?

▶ The *EcoBalpac WT 50™* is 1,000% Efficient.

▶ 1 BTU* of Energy Consumed _____ 10 BTU's of Electricity.

▶ By Comparison, Coal is 41% efficient 4. ▶ 2.5 BTUs to Produce = 1 BTU of Electricity.

▶ The *EcoBalpac WT 50™* Produces Electricity at 4.6¢ - 5.5¢/kWh,

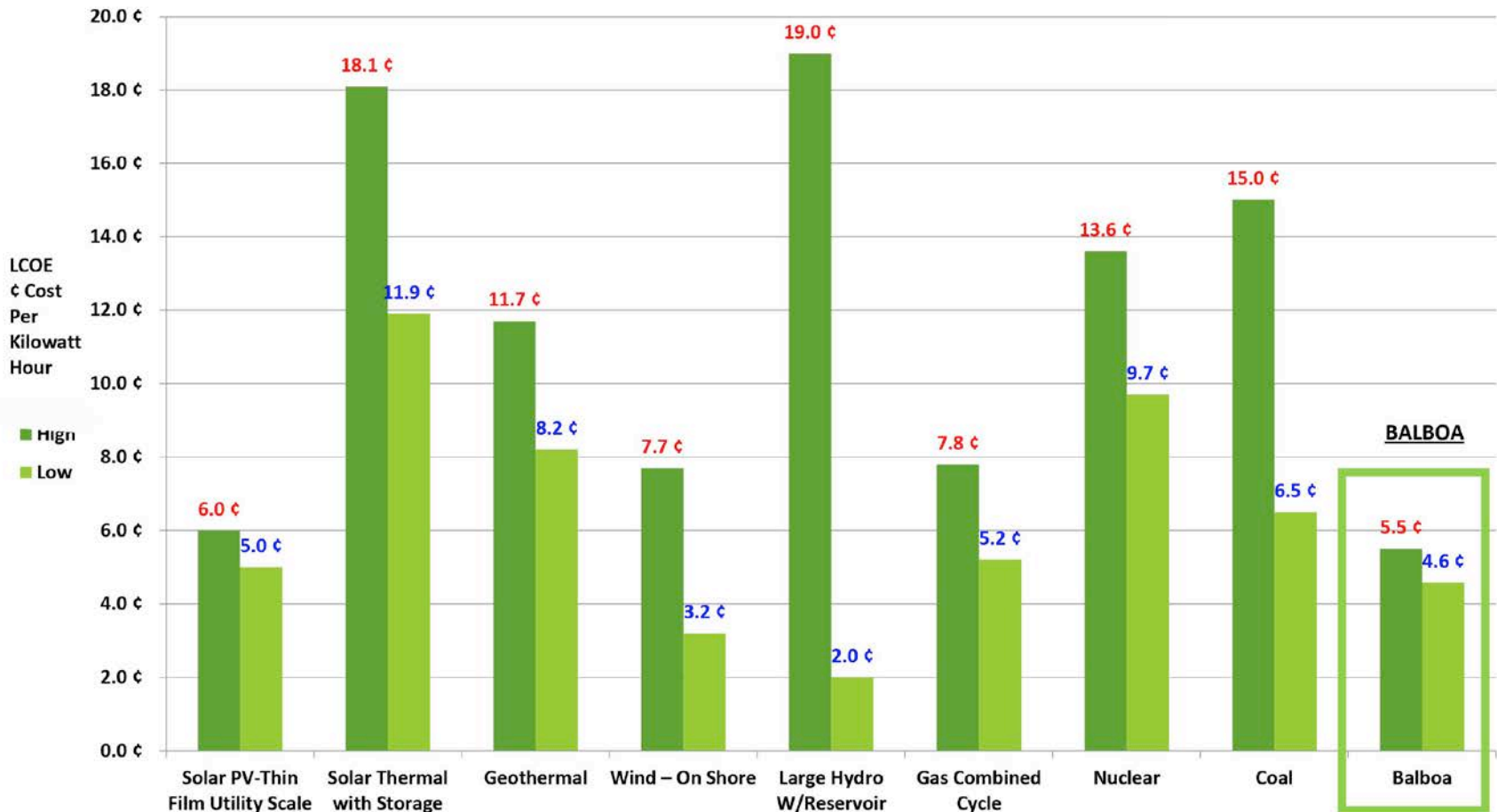
While Natural Gas and Coal Cost 5.2¢ - 15.0¢/kWh.

▶ The *EcoBalpac WT 50™* Capital Cost/kWh is \$1,584,

▶ While Natural Gas and Coal Range From \$2,072 - \$6,492, as Shown on the Following 2 Slides.

* BTU = British Thermal Unit

The Competitive Landscape - Levelized Cost of Electricity/KWh^{6,7}



The Competitive Landscape - Capital Cost/KWh of Capacity ⁸



Consider Electricity Transmission

- ▶ No Matter Where a Nuclear, Coal, Gas, Solar, Wind, Hydroelectric, or Geothermal Plant is Located – Its Location is Fixed.
- ▶ Its Power Must Be Transmitted To the End Consumer. There Are Always Line Losses During Transmission, and in Some Developing Countries With Decrepit Power Grids, Little of This Power Reaches the Consumer.
- ▶ In Stark Contrast, **EcoBalpac WT 50™** is Modular and Portable. Small Amounts of Capacity Can Be Distributed and Located Near the Consumer, So Line Losses During Transmission Can Be Eliminated.

Is The Bal-Pac System “Green”?

- It's a Hybrid. **EcoBalpac WT 50™**
Currently Uses Propane, Diesel, or Natural Gas to Heat the Unit. The Waste Processed Then Provides 10 Times More Energy Than the Energy Used to Heat the Unit.
- Balboa's Development Path (Shown Below) Includes a Plan To Make the Unit a 100% Renewable Energy Source.

A Current, Funded Project

Balboa Pacific Corporation Financial Projections (US \$ Millions)

HEYSUNG PLASTICS PROJECT - 35 Tons Per Day

Financial Summary

	YEAR 1, QUARTER,				ANNUAL TOTALS		
	1	2	3	4	YEAR 1	YEAR 2	YEAR 3
	ELECTRICITY:						
Number of Bal-Pacs in Service	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Dried Tons of Waste To Bal-Pacs	3,150	3,150	3,150	3,150	12,600	12,600	12,600
Gross Electricity Generated (kWh)	3,957,837	3,957,837	3,957,837	3,957,837	15,831,350	15,831,350	15,831,350
Less: Electricity Consumed (kWh)							
BalPac Systems	(121,500)	(121,500)	(121,500)	(121,500)	(486,000)	(486,000)	(486,000)
Shredders	(405,000)	(405,000)	(405,000)	(405,000)	(1,620,000)	(1,620,000)	(1,620,000)
Pelletizers	(405,000)	(405,000)	(405,000)	(405,000)	(1,620,000)	(1,620,000)	(1,620,000)
Generators/Ancillary	(98,946)	(98,946)	(98,946)	(98,946)	(395,784)	(395,784)	(395,784)
Net Electricity Production (kWh)	2,927,392	2,927,392	2,927,392	2,927,392	11,709,566	11,709,566	11,709,566
Sale Price/kWh	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15
Net Electricity Revenues	\$ 439,109	\$ 439,109	\$ 439,109	\$ 439,109	\$ 1,756,435	\$ 1,756,435	\$ 1,756,435
TIPPING FEE REVENUES:							
Tons of Waste Received	3,150	3,150	3,150	3,150	12,600	12,600	12,600
Tipping Fee Per Ton	\$ 110.00	\$ 110.00	\$ 110.00	\$ 110.00	\$ 110.00	\$ 110.00	\$ 110.00
Tipping Fee Per Ton Revenues	\$ 346,500	\$ 346,500	\$ 346,500	\$ 346,500	\$ 1,386,000	\$ 1,386,000	\$ 1,386,000
TOTAL REVENUES	\$ 785,609	\$ 785,609	\$ 785,609	\$ 785,609	\$ 3,142,435	\$ 3,142,435	\$ 3,142,435
39% Cash Flow Margin	\$ 305,995	\$ 305,995	\$ 305,995	\$ 305,995	\$ 1,223,978	\$ 1,223,978	\$ 1,223,978