



Technology Provision

TeslaGREENcity

The next generation of
self sustainable
community



Here is what you need know to get started

Definition:

- You have a project and are desirous to deploy the knowhow and technology;
- Hereinafter you are referred to as the “**Project Owner**”;
- The knowhow and technology are to be deployed to a site specific location under the Project Owner’s control;
- This presentation has been issued to the Project Owner and/ or representative by an authorized agent;
- The **Agent** of record is: Lew MEARNs.

Technology Definition:

At the core of the community is the elimination of waste;

The waste is processed into value added commodities for own use or sold;

The next step is to define the scope of your project and scale of the amount of waste to be processed.

This YouTube video will give you a fundamental understanding of the BlackHOLE technology:



What is the right BlackHOLE size do you need?

Project Definition:

At the core of the community is the elimination of waste and transforming the waste stream.

Input:

What is the amount of waste the community needs processed? ___ MT

What is the moisture content of the waste? ___ %

Output:

Electricity	___ %	FIT: typically defined by the regional utility PPA;
BioFuel	___ %	Further processing required to become BioDiesel;
Ceramic Ash	2 %	Building material to build out community.

Project fact sheet:

Tell us more about your project and seek our help when needed.

Multiple Capacity (24 hours) :

- 2 ton
- 5 ton
- 50 ton
- 10 ton
- 100 ton
- 500 ton
- 1000 ton



Complete/ return
e-mail to
Lew MEARNs

Confidentiality

- Customer contact information

- Enter the Project Owner/ Customer information that will be to populate all downstream contracts.



- Confidentiality / Circumvent

- The information collected in the CCI will populate the mutual Non-Circumvent and Non-Disclosure designed to protect both parties.



- Submit PFS

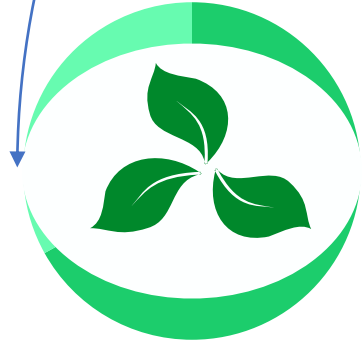
- Enter project specific information for review.





BlackHOLE™

Technology Provision



SELF POWERED

- **ZERO FUEL** is required for waste decomposition



1,000 ton/day

- Multiple Capacity (24 hours) :
- 2 ton
 - 5 ton
 - 50 ton
 - 10 ton
 - 100 ton
 - 500 ton
 - 1000 ton



<>850 Celsius

Depending on type of waste , the temperature has been captured between 350 to 850 degrees



Material

CAN

- MSW such as paper , plastic , packaging , food , landscaping waste,

CANNOT

- Cannot decompose metals, solid , ceramics , glasses



Patented #9518733 (151 Country)
Technology: United States of America



BH 1000 TPD™ Financial Overview

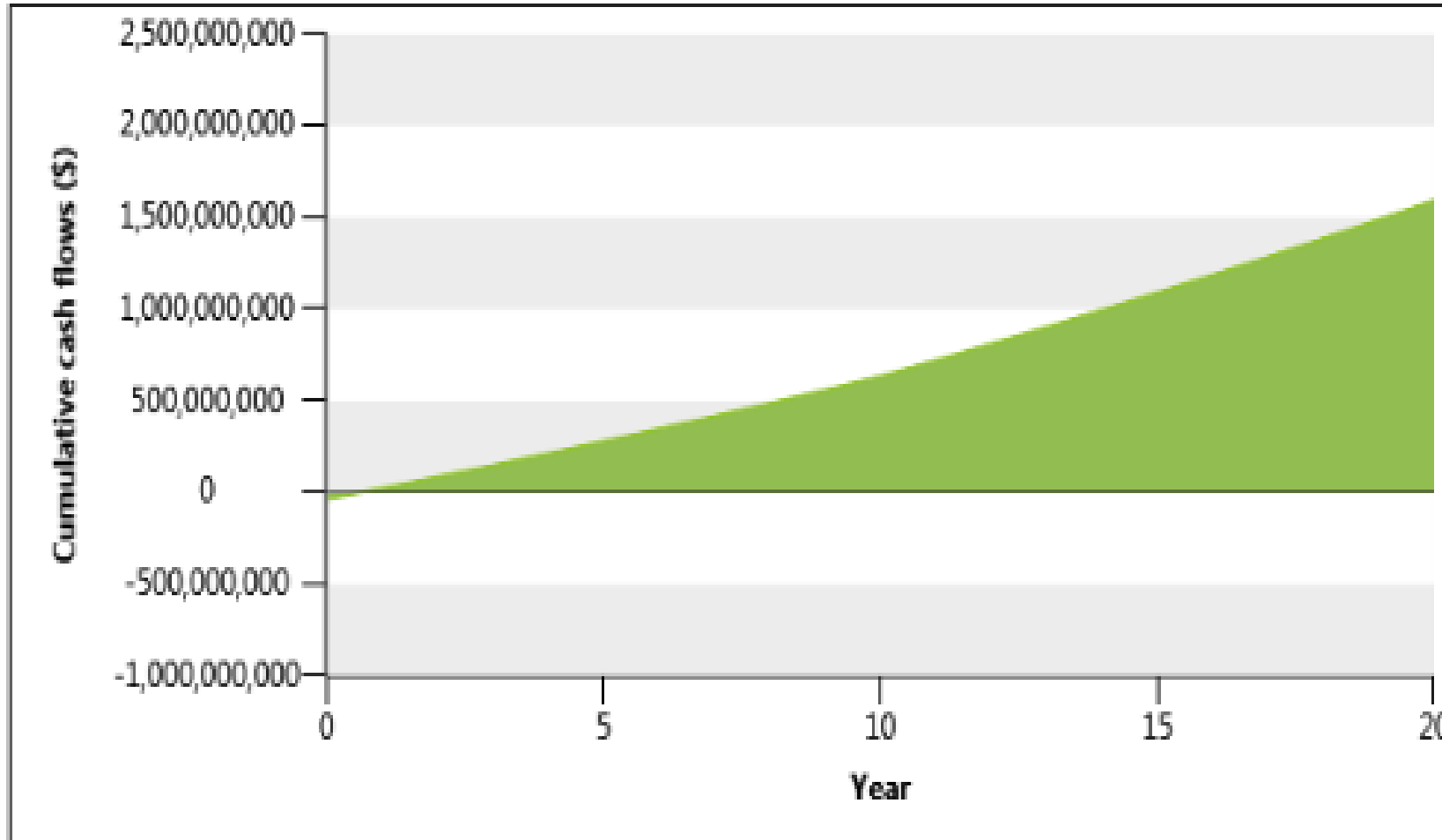
Until the size of your project can be scaled, then we now look at the BH at scale.

	1,000 TPD	Financial Viability																																																																																																			
Initial Cost	\$116,736,684	Financial viability Financial parameters <table border="1"> <tr> <td>Inflation rate</td> <td>%</td> <td>2%</td> </tr> <tr> <td>Project life</td> <td>yr</td> <td>20</td> </tr> <tr> <td>Debt ratio</td> <td>%</td> <td>70%</td> </tr> <tr> <td>Debt interest rate</td> <td>%</td> <td>7%</td> </tr> <tr> <td>Debt term</td> <td>yr</td> <td>10</td> </tr> </table> Costs Savings Revenue <table border="1"> <tr> <td colspan="4">Initial costs</td> </tr> <tr> <td>Initial cost</td> <td>73.1%</td> <td>\$</td> <td>85,338,924</td> </tr> <tr> <td>BlackHole Heating Chamber</td> <td>14.3%</td> <td>\$</td> <td>16,680,060</td> </tr> <tr> <td>Pre-Treatment of Waste Equipment including conveyor ,shredder</td> <td>1.3%</td> <td>\$</td> <td>1,669,888</td> </tr> <tr> <td>BioDiesel Module</td> <td>8%</td> <td>\$</td> <td>9,321,210</td> </tr> <tr> <td>Cement/Brick Module</td> <td>2.9%</td> <td>\$</td> <td>3,434,130</td> </tr> <tr> <td>Commisioning & Training</td> <td>0.34%</td> <td>\$</td> <td>392,472</td> </tr> <tr> <td>Total initial costs</td> <td>100%</td> <td>\$</td> <td>116,736,684</td> </tr> <tr> <td>Incentives and grants</td> <td></td> <td>\$</td> <td>0</td> </tr> <tr> <td colspan="4">Annual costs and debt payments</td> </tr> <tr> <td>O&M costs (savings)</td> <td></td> <td>\$</td> <td>6,039,370</td> </tr> <tr> <td>Fuel cost - proposed case</td> <td></td> <td>\$</td> <td>42,260</td> </tr> <tr> <td>Insurance Cost</td> <td></td> <td>\$</td> <td>2,500,000</td> </tr> <tr> <td>Administration & Training</td> <td></td> <td>\$</td> <td>500,000</td> </tr> <tr> <td>Debt payments - 10 yrs</td> <td></td> <td>\$</td> <td>11,634,474</td> </tr> <tr> <td>Total annual costs</td> <td></td> <td>\$</td> <td>20,716,105</td> </tr> <tr> <td colspan="4">Annual savings and revenue</td> </tr> <tr> <td>Bio-Diesel (Revenue from Selling)</td> <td></td> <td>\$</td> <td>24,768,000</td> </tr> <tr> <td>Mortar Ash</td> <td></td> <td>\$</td> <td>3,055,690</td> </tr> <tr> <td>Electricity export revenue</td> <td></td> <td>\$</td> <td>51,754,775</td> </tr> <tr> <td>Total annual savings and revenue</td> <td></td> <td>\$</td> <td>79,578,465</td> </tr> </table>	Inflation rate	%	2%	Project life	yr	20	Debt ratio	%	70%	Debt interest rate	%	7%	Debt term	yr	10	Initial costs				Initial cost	73.1%	\$	85,338,924	BlackHole Heating Chamber	14.3%	\$	16,680,060	Pre-Treatment of Waste Equipment including conveyor ,shredder	1.3%	\$	1,669,888	BioDiesel Module	8%	\$	9,321,210	Cement/Brick Module	2.9%	\$	3,434,130	Commisioning & Training	0.34%	\$	392,472	Total initial costs	100%	\$	116,736,684	Incentives and grants		\$	0	Annual costs and debt payments				O&M costs (savings)		\$	6,039,370	Fuel cost - proposed case		\$	42,260	Insurance Cost		\$	2,500,000	Administration & Training		\$	500,000	Debt payments - 10 yrs		\$	11,634,474	Total annual costs		\$	20,716,105	Annual savings and revenue				Bio-Diesel (Revenue from Selling)		\$	24,768,000	Mortar Ash		\$	3,055,690	Electricity export revenue		\$	51,754,775	Total annual savings and revenue		\$	79,578,465
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BH 1,000 TPD™ Cumulative Cash Flow

Cash flow - Cumulative



TeslaGREENcity

TeslaGREENcity bring together GREENcity self sustainable community, with TeslaGREEN BlackHOLE waste to energy at the core of your project.

1. TeslaGREENcity – this presentation (e-mail)
2. Customer contact information (e-mail)
3. mutual Non-Circumvent and Non-Disclosure (e-mail)
4. Once the BlackHOLE project scale is determined: (Brochure with Price structure)
5. Project fact sheet (Customer submission)
6. RETScreen project model generation (TeslaGREEN)
7. Engagement Letter (GREENcity)
8. Application for Finance (Customer submission, if required)

I look forward to assisting you and your project needs
Low MEARNS



TeslaGREENcity

The next generation of
self sustainable
community

