

## LucidPipe™ Site Assessment Parameters

There are several key questions to ask about a potential site for Lucid Energy's turbine system.

**Pipe Size:** The turbine assembly cannot be of a larger diameter than the pipe structure into which it is being inserted; however, a smaller turbine assembly may be used within a larger pipe if the flow rate is low.

	LPS24A	LPS30A	LPS42A	LPS60A
English	24"	30"	42"	60"
Metric	600 mm	760 mm	1060 mm	1500 mm
Rated Power	18 kW	23 kW	50 kW	100 kW

**Flow Rate / Rated Power:** The minimum flow for rated power. Lower flow creates less energy.

	LPS24A	LPS30A	LPS42A	LPS60A
<b>English - gallon/minute</b>	16500 GPM	24500 GPM	44500 GPM	89150 GPM
<b>English - million gal/day</b>	24 MGD	35 MGD	64 MGD	128 MGD
<b>Metric - cubic meter/sec</b>	1.0 CMS	1.5 CMS	2.8 CMS	5.6 CMS

**Length of pipe:** The rule of thumb is 3 to 4 pipe diameters between each turbine.

	1 turbine	2 turbines	3 turbines	4 turbines
<b>LPS24A</b>	8 feet (2.4 m)	14 feet (4.3 m)	22 feet (6.7 m)	30 feet (9.1 m)
<b>LPS30A</b>	10 feet (3.0 m)	17.5 feet (5.3 m)	27.5 feet (8.4 m)	37.5 feet (11.4 m)
<b>LPS42A</b>	14 feet (4.3 m)	24.5 feet (7.5 m)	38.5 feet (11.7 m)	52.5 feet (16.0 m)
<b>LPS60A</b>	20 feet (6.1 m)	35 feet (10.7 m)	55 feet (16.8 m)	75 feet (22.9 m)

