

# DUAL ZONE FLARE

Dual zone flare applications are the perfect choice for your Landfill-to-Energy project, where the site requires a small flare and a larger backup flare in the event of increased changes in gas flows. Our new "two flares in one" design eliminates the need for multiple flares.



## *How it works:*

There is a low MMBtu/hr flare zone and a high MMBtu/hr flare zone combined in one shell as shown. In normal day to day operations, the smaller flow zone is utilized to handle excess landfill gas, or process vapors, that the energy facility could not utilize. Both the high flow and low flow zones are used as a backup flare system during maintenance or shutdown mode, to flare off all of the landfill gas.



*Enclosed flare with an offset wall*

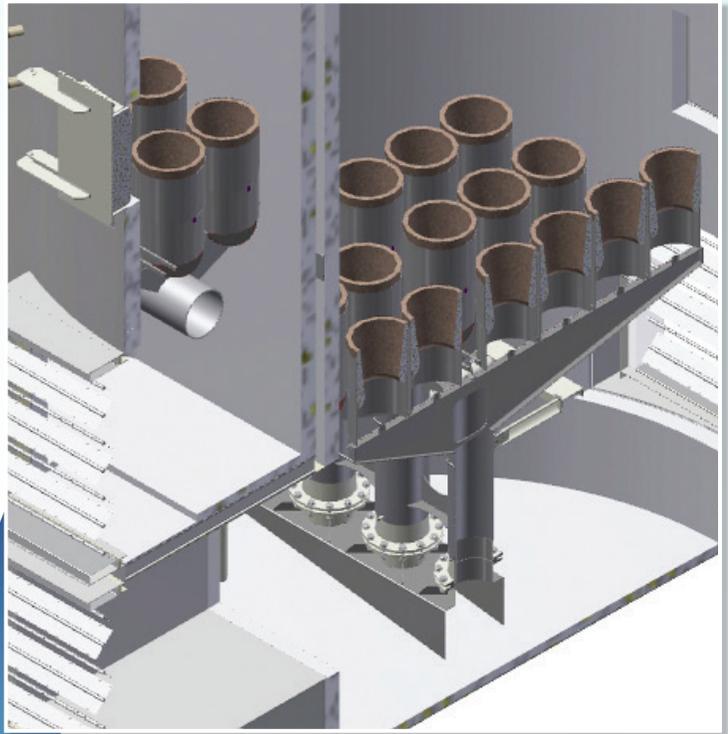


1375 COUNTY ROAD 8690 • WEST PLAINS, MO 65775

Phone: (417) 256-2002 - Fax: (417) 256-2801

[www.PerennialEnergy.com](http://www.PerennialEnergy.com)

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- High turndown ratios of 35 to 1 within one enclosed unit.
- Guaranteed to meet Federal and State regulatory requirements.
- Smaller flare zone may be equipped to handle Thermal Oxidation of process gasses such as Pressure Swing Absorption of CO<sub>2</sub> in a pipeline injection system or siloxane removal system commonly found in an engine facility.
- Condensate injection systems available.
- Robust controls and fast response rates to changes in the biogas flows and pressures when your process has large process variations.
- Two flares in one; eliminating multiple flares.

## *Installations in:*

**Novato, CA • Waynesburg, OH • Upper Marlboro, MD • Monterey, CA**

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