

## Case Study:

Pre-separation of household plastics from EfW plant in-feed.

## Client:

Covanta Energy

## Challenge:

- Client tendering for large scale Energy from Waste (EfW) facility.
- Axion asked to provide separation and sorting of plastic fractions in residual household waste.

## Axion Solution:

- Axion evaluated volume and mix of plastics in the target waste stream.
- Modelled range of plant options to remove and separate various polymer types.
- Focused attention on benefits of reducing calorific value (CV) of incinerator in-feed by plastic removal.
- Developed flow sheet, capital expenditure and ROI model.



## Results & Performance:

- Presented to client.
- Being considered for a number of projects.

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