

# Environment and Resource Efficiency Plans (EREP)



# EREP Requirements



# Baseline Data



# Baseline data



- For 12 months:
  - All water sources (by source)
  - All energy sources (by type)
  - All liquid waste (by type)
  - All solid waste (by type)

- Can use 2006/2007 data entered at registration

- Submitted online



# All water sources



Profile A - Water obtained by agreement	
Water Source	Amount (ML)
Supplied by your water corporation (mains supply)	<input type="text"/>
Ground water - licensed extraction	<input type="text"/>
Surface water - licensed extraction	<input type="text"/>
<b>Total:</b>	<input type="text"/>

Profile B - Other water sources	
Water Source	Amount (ML)
Rainwater	<input type="text"/>
Desalinated water	<input type="text"/>
Stormwater	<input type="text"/>
Recycled water	<input type="text"/>
<b>Total:</b>	<input type="text"/>

Total Water used	
	Amount
<b>Total (ML)</b>	<input type="text"/>

Comments	<input type="text"/>
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## Sources of data:

- Water corporations
- Check your own water meters
- Calculate from rainfall data
- Estimate
- Water in steam?

# All energy sources



Consumed on Site				
Energy Source	Units	Quantity	Energy (TJ)	Indicative (tCO2-e)
Electricity - standard	kWh	<input type="text"/>		
Electricity - accredited green	kWh	<input type="text"/>		
Natural Gas	MJ	<input type="text"/>		
Automotive Diesel	L	<input type="text"/>		
Automotive				
(Other energy sources)		<input type="button" value="Add energy source"/>		
<input type="text"/>		<input type="button" value="Add energy source"/>		
<b>Totals:</b>				

- Energy consumed on site
- Collect from bills

- Keep track regularly
- Use tools to help (eg Energy Smart Tracker)

On-Sold - Subtracted from above				
Energy Source	Units	Quantity	Energy (TJ)	Indicative (tCO2-e)
Electricity - standard	kWh	<input type="text"/>		
Steam (if imported / exported to provide energy)		<input type="text"/>	<input type="text"/>	<input type="text"/>
Compressed Air (if imported / exported to provide energy)		<input type="text"/>	<input type="text"/>	<input type="text"/>
(Other energy sources)		<input type="button" value="Add energy source"/>		

# Waste



- Least accurate data at registration
- What category is my waste stream?
- Where can I get my data from?

# Liquid Waste



<b>Liquid Waste Disposal (both on and off site)</b>	
<b>Waste Type</b>	<b>Amount (KL)</b>
Trade waste discharged to sewer	<input type="text"/>
Domestic sewage (if recorded separately from trade waste)	<input type="text"/>
Licensed discharge off site	<input type="text"/>
Prescribed industrial waste sent to waste treatment facility	<input type="text"/>
<b>Total:*</b>	

<b>Liquid Waste Reused/Recycled</b>	
<b>Waste Type</b>	<b>Amount (KL)</b>
Recycled water	<input type="text"/>
Prescribed industrial waste	<input type="text"/>
<b>Total:*</b>	

## Sources of data:

- Water corporations
- Check your own meters
- Estimate based on water consumption data



# Solid Waste



Solid Waste Disposal (both on and off site)		
Waste Type	Units	Amount
General waste (breakdown into solid inert and putrescible if data is available)	T ▼	<input type="text"/>
General waste - solid inert	T ▼	<input type="text"/>
General waste - putrescible	T ▼	<input type="text"/>
Prescribed industrial waste	T ▼	<input type="text"/>
<b>Total:</b> *		

## Putrescible

- Food waste
- Organic material
- any others?

## Inert

- Building materials
- Plastic

# Solid Waste Recycling



## Solid inert

- Cardboard, timber, metal
- Co-mingled (bottles and cans)

## Putrescible

- Green waste
- Organic food

Solid Waste Reused/Recycled		
Waste Type	Units	Amount
Total recycling (breakdown into solid inert and putrescible if data is available)	T <input type="text"/>	<input type="text"/>
Total recycling - solid inert (e.g. paper, plastic etc)	T <input type="text"/>	<input type="text"/>
Total recycling - putrescible (e.g. food, greenwaste)	T <input type="text"/>	<input type="text"/>
Prescribed industrial waste	T <input type="text"/>	<input type="text"/>
<b>Total:</b> <sup>†</sup>		<input type="text"/>

# How to get the data



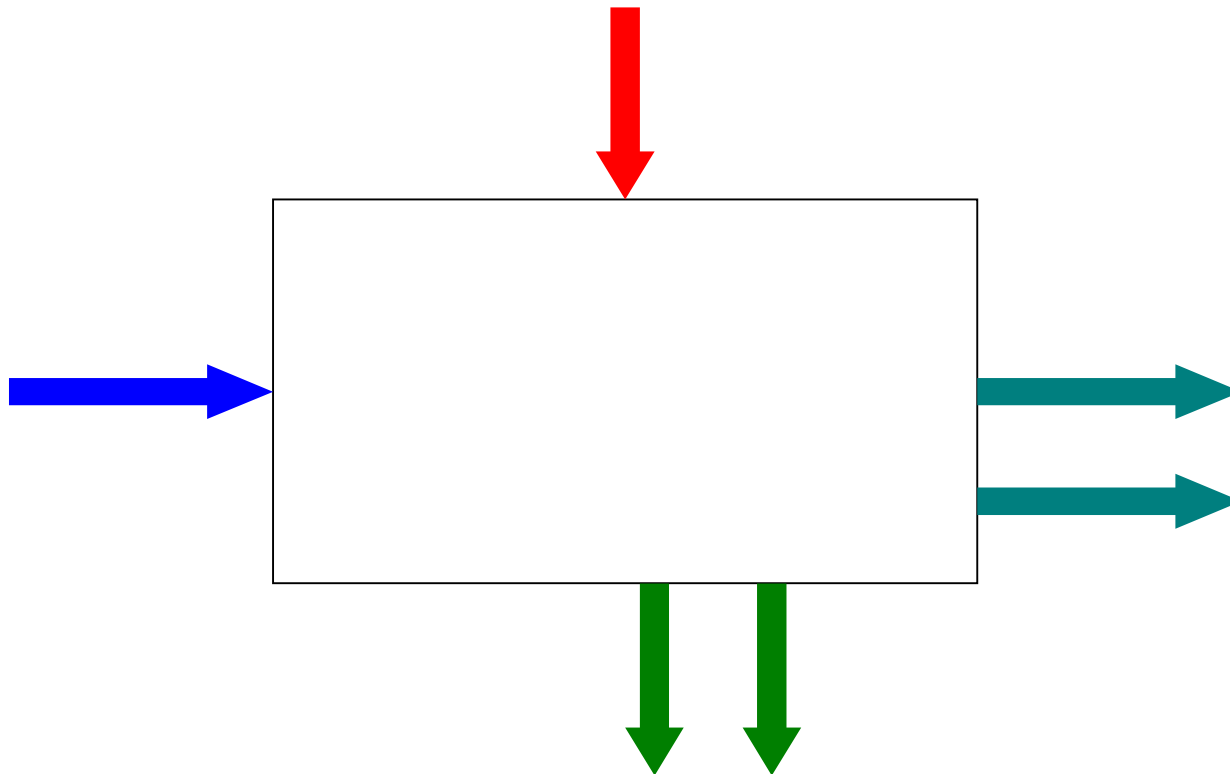
- Use your service providers
- Check how full your bins are
- Estimate densities



# Use the data



Do the numbers make sense?  
What do they tell you?



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