

# Carbon Energy Reduction



Fit for  
the Future

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**OXFAM**

# Wastesaver

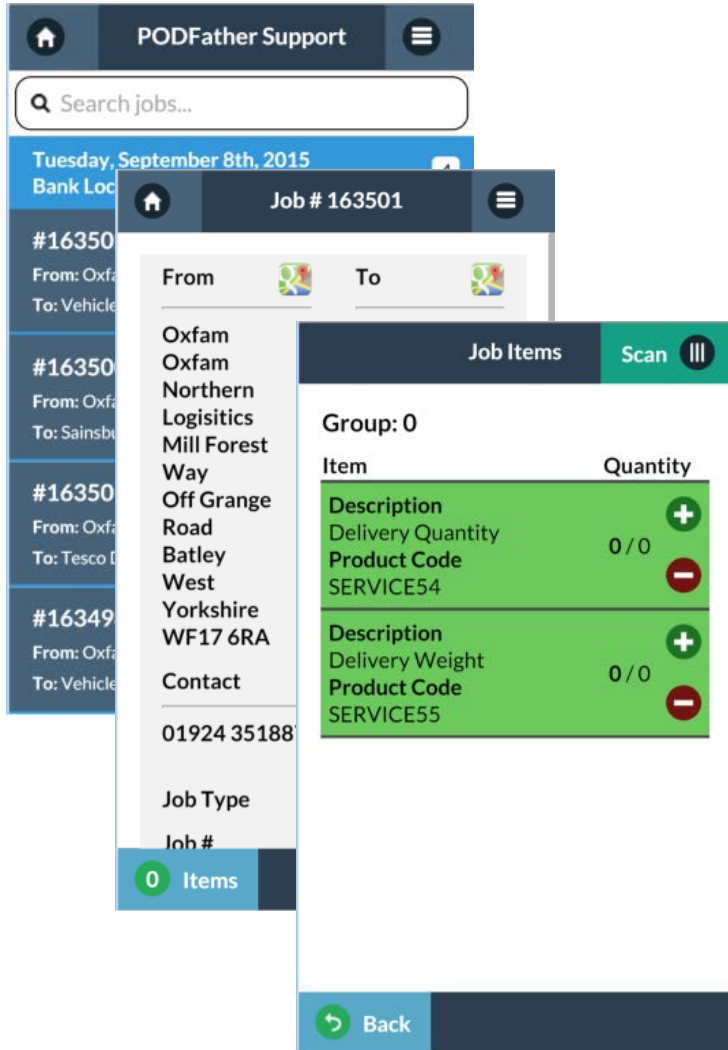
Oxfam has a special place among UK charities in having its own sorting facility, to help us make the best use of your donations:-

- 45 Vehicles, 10 outbase locations
- 850 collections a week
- 12,000 tonnes a year and over 36 million items of clothing a year processed
- 100 team members supporting logistics
- Reuse, Resell, Recycle



OXFAM

# Visibility/Data Capture



- Phase 1 - basic android platform mobile app
- Milk round fixed delivery & collection schedules
- Uploads job instructions for drivers
- Captures key logistics data, activity, volume at a regional and national level
- Data analysed and used to produce carbon reduction plans



# Progress so far – Phase 1



o Localise book collection



o Consolidate transport regions



o Close low yield textile banks

11% Carbon Reduction  
-300,000 miles  
-£250,000 p.a



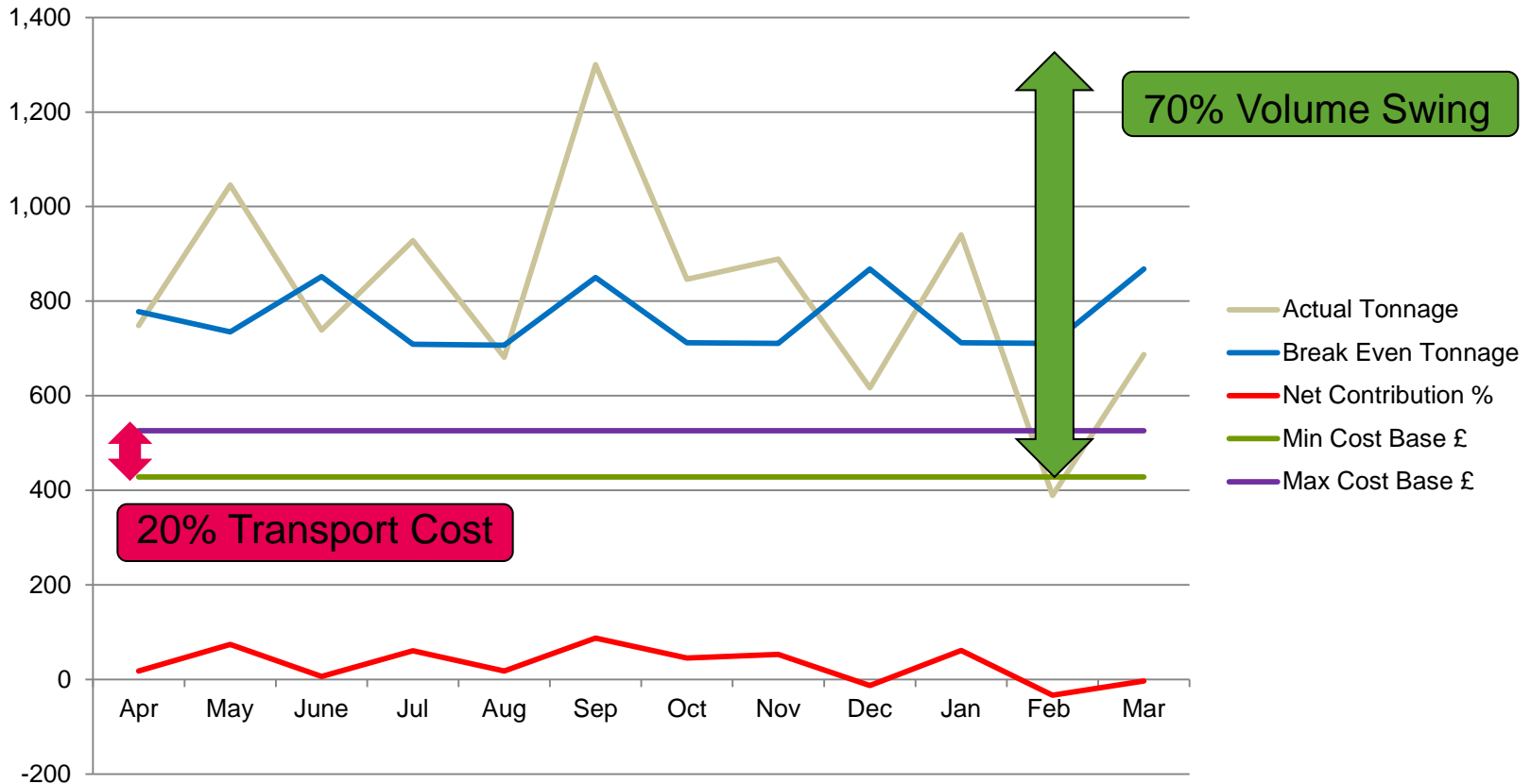
o Out of hours delivery/ collection



o M&S donations divert from parcel to core fleet delivery



# Phase 2 – Move from fixed to dynamic distribution




# Dynamic distribution



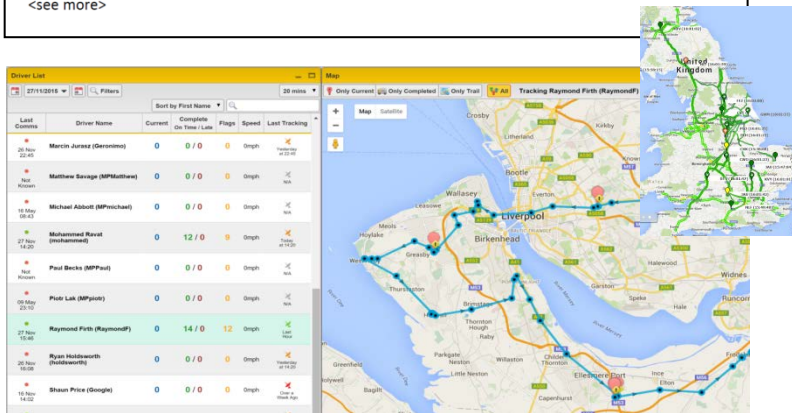
Edinburgh, Nicolson Street

	Wastesaver black	Shoe white	Cascade blue	Banks big white	
Tue 24/11	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Submit"/>
Mon 23/11	10	7	3	-	Submitted by Branch 12:15
Fri 20/11	8	5	1	-	Submitted by Branch 15:33
Wed 18/11	-	-	-	-	After collection
Wed 18/11	-11	-9	-5	-	Collected by Joe Bloggs 07:32
Mon 16/11	9	8	4	-	Submitted by Branch 16:03
Fri 13/11	6	4	1	-	Submitted by Branch 17:05

<see more>



- All Oxfam shops have a web portal to enter build up of stock levels
- Ability to add any new product categories
- Trigger points are set by shop to indicate when the shop is getting full and requires a collection



Driver List

Last	Driver Name	Current	Complete	On Time / Late	Flags	Speed	Last Tracking
24 Nov 02:41	March Juvaz (Geronno)	0	0 / 0	0	Depth	100%	100%
24 Nov 02:41	Matthew Savage (MPMatthew)	0	0 / 0	0	Depth	100%	100%
18 May 08:53	Michael Abbott (MPMichael)	0	0 / 0	0	Depth	100%	100%
17 Nov 12:29	Muhammad Rasat (mohammed)	0	12 / 0	0	Depth	100%	100%
18 Nov 08:53	Paul Becka (MPPaul)	0	0 / 0	0	Depth	100%	100%
18 Nov 23:17	Pete Loh (MPPet)	0	0 / 0	0	Depth	100%	100%
18 Nov 18:41	Raymond Firth (RaymondF)	0	14 / 0	12	Depth	100%	100%
18 Nov 16:59	Ryan Haldsworth (rhdaworth)	0	0 / 0	0	Depth	100%	100%
18 Nov 12:17	Shaun Price (Shaun)	0	0 / 0	0	Depth	100%	100%

- The shop stock build up data is captured in the central planning database
- Routes are optimised by shop trigger points, vehicle capacity, drivers hours, shop access times
- Routes are uploaded into drivers android phones



- Collections and deliveries are now made as and when required inline with volumes and capacities

Potential for a further 20% reduction in miles  
- £300,000

# Summary

- **11% Carbon reduction achieved so far through optimising the basics**
- **Potential further 20% if we switch to a dynamic distribution platform**
- **Further 10% achievable through technology, training, changing behaviours and culture**

