


Getting More Out of FIS

APSE's Fleet Information System

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Fleet Information System (FIS)

The fleet information system was developed by the Transport APSE working group in 2001 and was introduced 2002 2003 (year 5)

This was developed to enable operations to enter all their data in a uniformed consistent manner and aid data checking at APSE before querying data that fell outside parameters.

The decision was also made that data could continue to be submitted by the 'data template' (M File) where operations would have to do all their workings outside the submission spread sheet




Data Submission Templates

There is a choice of three different data templates for the transport benchmarking services.

- 1.The Fleet Information System (FIS).
- 2.The Transport Operations and Vehicle Maintenance template (M-0000.xls).
- 3.The Transport Operations template (T-0000.xls).

You only need to complete one template.



M & T Templates

Transport operations and vehicle maintenance - Year 12 management data 2009 / 2010

Legend:
 Red flag = high priority
 Amber flag = medium priority
 Green flag = low priority

Fleet profile by driver - size of fleet
 For each age band enter the number of full and also secondary drivers will be advised

Vehicle groups
 Detailed reports are not produced for:

Vehicle Group	Service Code	Data Input	Full-time	Secondary
Care and/or disabled vans up to 1000 GVW (gvw)	See auto	03FMS	1.1	
Vans between 1001 and 2000 kg GVW (gvw)	See auto	03FMS	1.2	
Vans and mopeds up to 2000 kg GVW (gvw)	See auto	03FMS	1.3	
Vans, trucks and tippers between 2001 and 3000 kg GVW	See auto	03FMS	1.4	
Vans, trucks and tippers over 3000 kg GVW	See auto	03FMS	1.5	
Standard mechanical vehicles up to 17 tonne	See auto	03FMS	1.6	
Medium coaches and motorable accessible bus	See auto	03FMS	1.7	
Overseas over 20000 kg GVW group (o)	See auto	03FMS	1.8	
Refuse collection vehicles - 3 axle and above	See auto	03FMS	1.9	
Refuse collection vehicles - 2 axle and above	See auto	03FMS	1.10	
Dedicated food/body collectors up to 6 cubic metres	See auto	03FMS	1.11	
Larger coaches including wheelchair accessible	See auto	03FMS	1.12	
A taxi trading service	See auto	03FMS	1.13	

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FIS Template

Fleet Information 11.0

Report date: 01/01/2010

Vehicle ID	Make	Model	Year	Registered	Active	Out of Service	Removal	Transfer	Off Hire	Other	Notes
1001	Ford	Fiesta	2007	Y	Y						
1002	Ford	Fiesta	2007	Y	Y						
1003	Ford	Fiesta	2007	Y	Y						
1004	Ford	Fiesta	2007	Y	Y						
1005	Ford	Fiesta	2007	Y	Y						
1006	Ford	Fiesta	2007	Y	Y						
1007	Ford	Fiesta	2007	Y	Y						
1008	Ford	Fiesta	2007	Y	Y						
1009	Ford	Fiesta	2007	Y	Y						
1010	Ford	Fiesta	2007	Y	Y						

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Councils Profile

Ref	RPH
A	35.00
B	28.42
C	15.44
D	36.25
E	26.81
F	35.33
G	33.50
H	38.55
I	21.00
J	36.00
K	38.35
L	27.50
M	35.00
N	28.27
O	40.79
P	70.00
16	34.36
7 Scottish	
9 English	

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Comparators

- Equivalent - Employee, Fleet
- Direction of Travel
- Rates per Hour, Parts on Cost
- Downtime
- Groups, Types, Categories
- KPI's v PI's

Leads to Meaningful Benchmarking

Weightings

- Allow you to compare expenditure on different vehicle types
- A quick and easy way to look at workloads
- Have the ability to take account of diversity across fleets

Weighting Examples

Maintenance Weighting (includes Labour and Parts and relates to cost)

- Refuse Vehicle 'Group 11 – weighting of 16.5
 - Equates to a expected maintenance cost £13,500 per year
- Car Derived Van 'Group 1 – weighting of 1
 - Equates to a expected maintenance cost £800 per year

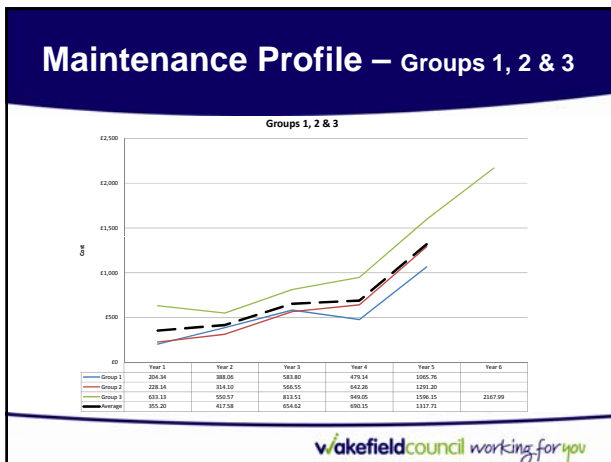
Workload Weighting (labour only and relates to time)

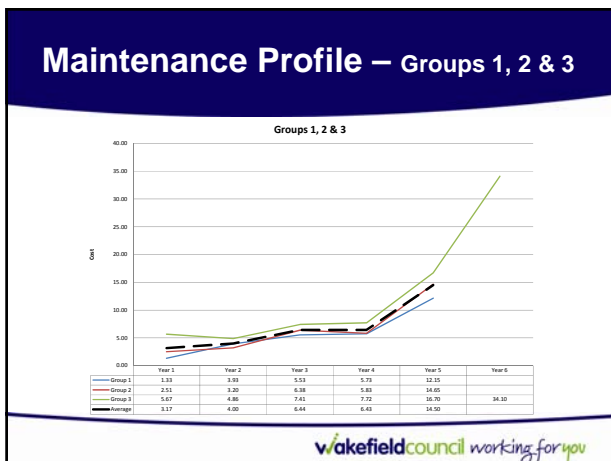
- Refuse Vehicle – labour weighting of 10
 - Equates to a expected maintenance over life of vehicle of 207.20 Hrs. a year
- Car Derived Van - labour weighting of 1
 - Equates to a expected maintenance over life of vehicle of 20.72 Hrs. a year

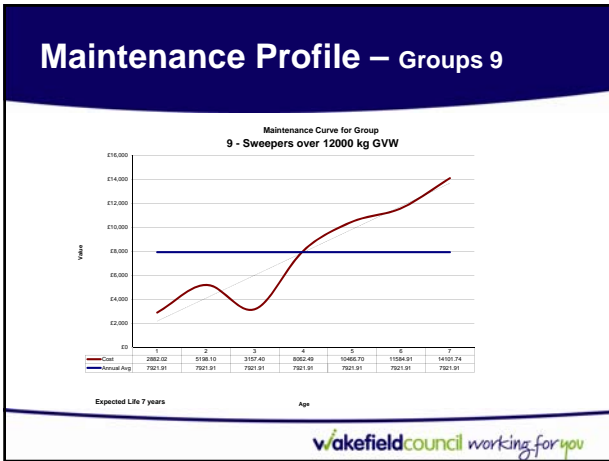
Vehicle Groups

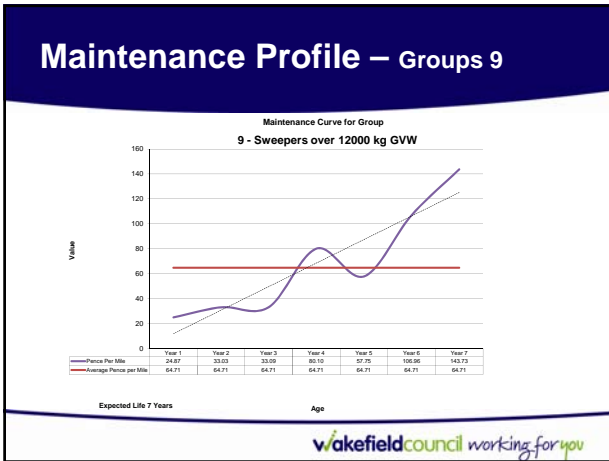
Group	Description
1	Cars and car derived vans up to 1700 GVW
2	Vans between 1701 and 3500 kg GVW
3	Trucks & Tipplers up to 3500 kg GVW
4	Vans, Trucks & Tipplers between 3501 & 7500 kg GVW (Group 4)
5	Vans, Trucks & Tipplers between 7501 & 18000 kg GVW (Group 5)
6	Vans, Trucks & Tipplers over 18000 kg GVW
7	Standard Manufacture Minibuses up to 17 seats incl Driver (Group 7)
8	Medium Coaches incl Welfare/Accessible Buses (Group 8)
9	Sweepers over 12000 kg GVW
10	Refuse Collection Vehicles - 3 axle and above without bin lift
11	Refuse Collection Vehicles - 3 axle and above with bin lift
12	Dedicated, fixed body Gritters up to 6 cubic metres capacity
13	Dedicated, fixed body Gritters over 6 cubic metres capacity
14	Large Coaches incl Welfare/Accessible Buses
15	P.C. Sweepers
16	Sweepers up to 12000 kg GVW
17	Jetters & Cresspool Empliers
18	Skip Loaders
19	Refuse Collection Vehicles - 2 axle
20	Library & Community Vehicles
21	Articulated Tractor Units
22	Semi Trailers - Waste Disposal
23	Bulk Loaders
24	Tractors, Shovels and Light Loaders
25	Miscellaneous including Light Plant, Heavy Plant, Ride-Ons, Motorcycles, Trailers and de-mountable Gritters

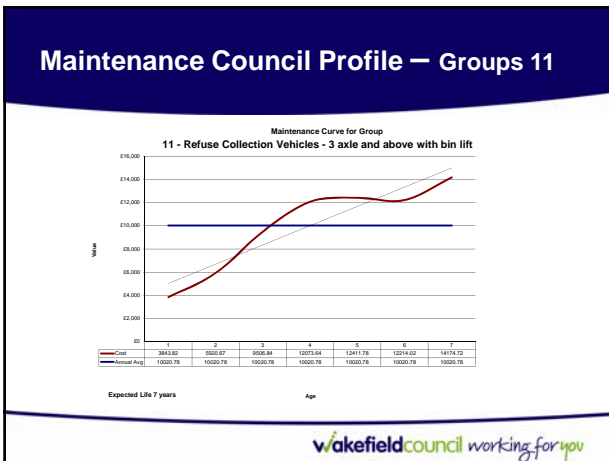
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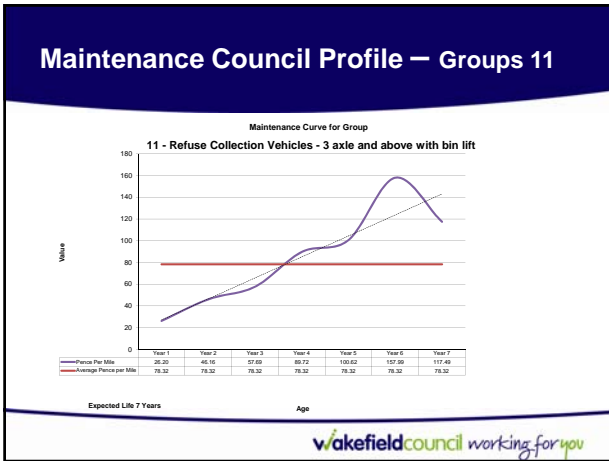


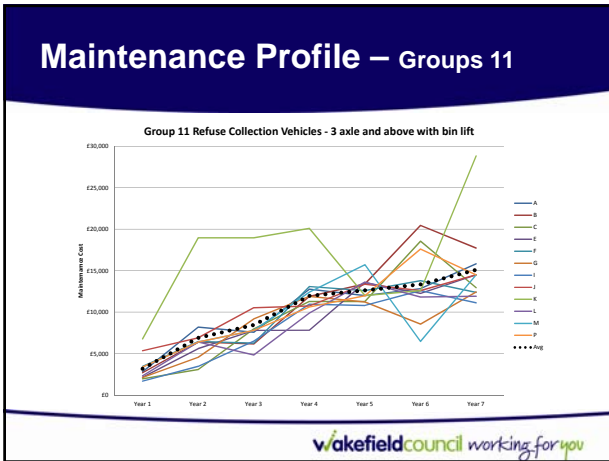












Equivalent – Labour - FTE

Employee Full Time Equivalents

Team	Weekly Hours	Count of Equivs	Sum of Equivs
Administration	30.00	1	0.81
	34.00	1	0.92
Administration Total	37.00	14	14.04
Apprentices	37.00	3	2.65
Apprentices Total	37.00	3	2.65
Enforcement	37.00	4	3.99
Enforcement Total	37.00	4	3.99
Fuel	37.00	1	1.00
Fuel Total	37.00	1	1.00
Hire	37.00	1	1.00
Hire Total	37.00	1	1.00
Maintenance	37.00	21	19.92
	40.00	14	15.09
Maintenance Total	77.00	35	35.02
Passenger Transport	19.00	4	1.71
	27.00	1	0.73
	37.00	20	17.74
Passenger Transport Total	83.00	25	20.17
Grand Total	297.00	85	79.68

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Equivalents - Fleet

Labour Hours Booked per Fleet Equivalent

Type of Work	Asset Class	Hours	Actual Price	Fleet Equiv.	Hours per Equiv.	Equivalent per Equiv.
Fleet	Ship	401.00		32.17	12.44	0.21
	P04	792.25	37.68	32.17	35.91	0.29
	P06	556.62	16.00	15.50	35.91	0.30
	P08	81.75	2.00	2.00	35.91	0.03
	P10	859.25	107.00	83.51	8.19	0.45
	P14	8.00	2.00	2.00	3.00	0.02
	P18	2471.00	86.00	74.20	33.44	0.20
	P19	22.00	10.00	8.72	2.52	0.01
	V00	486.25	63.00	55.28	8.81	0.25
	V01	2743.65	216.00	203.07	13.51	0.81
	V02	1171.31	96.00	73.127	16.02	1.43
	V03	1977.60	8.00	7.83	252.05	1.03
	V04	1893.90	15.00	14.80	129.05	0.96
	V08	9758.80	72.00	68.77	148.38	5.07
	V07	485.25	7.00	7.00	69.25	0.25
	V08	1868.05	66.00	64.53	18.54	0.81
	V09	2895.90	50.00	48.88	59.24	1.24
	V10	86.25	1.00	1.00	58.25	0.03
	V11	410.25	4.00	4.10	109.11	0.21
	V12	179.25	15.00	15.00	11.88	0.08
	V14	222.50	11.00	10.54	21.09	0.12
	V15	147.00	2.00	2.00	73.50	0.08
	V16	970.50	5.00	4.01	244.48	0.51
	V17	84.25	2.00	2.00	42.13	0.04
	V20	1919.71	30.00	30.00	108.65	0.34
Fleet Total		32292.50	425.00	359.83		88.79%
Internal Other Total		1212.50				3.27%
External Other Total		2892.00				7.98%
Grand Total		36397.00				

Jobs 27604

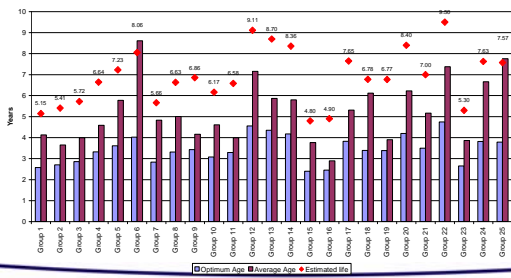
Base FTE

19.31



Other Data

Age Profile
Fleet Size 10491 (equivs) - Councils 16



Other Data

Make / Chassis	Units	Market Share
Ford	2817	26.79%
Iveco	705	6.70%
DAF	527	5.01%
Mercedes	480	4.57%
LDV	473	4.50%
Citroen	451	4.29%
Renault	421	4.00%
Vauxhall	405	3.85%
Volkswagen	284	2.70%
Dennis Eagle	202	1.92%
Volvo	199	1.89%
Kubota	177	1.68%
Econ	169	1.60%
Seddon Atkinson	144	1.37%
John Deere	137	1.31%
Fiat	137	1.30%
JCB	136	1.30%
Ransoms	112	1.06%



Other Data

Asset Group	Make / Chassis	Units	Market Share
1 Cars and car derived vans up to 1700 GVW	Ford	255	36.95%
	Vauxhall	268	38.54%
	Citroen	244	35.27%
	Renault	113	16.51%
	Peugeot	62	8.91%
	Daewoo	42	6.09%
2 Vans between 1701 and 3500 kg GVW	Ford	1291	60.42%
	LDV	279	13.16%
	Citroen	198	9.58%
	Renault	391	18.82%
3 Trucks & Tipper up to 3500 kg GVW	Ford	352	58.92%
	LDV	198	32.34%
	Hercu	155	25.59%
	Renault	67	10.95%
	Citroen	26	4.27%
4 Sweepers over 12000 kg GVW	DAF	39	46.40%
	Man	17	20.59%
	Manitex	10	12.19%
	Volvo	7	8.43%
	Unimog	2	2.41%
5 Refuse Collection Vehicles - 3 axle and above with 18	Denix Eagle	12	37.42%
	Manitex	32	97.06%
	Scania Atkinson	79	232.91%
	DAF	27	80.59%
	Volvo	24	71.76%
	MAN	13	38.82%

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In Conclusion

Submitting The fleet information template can result in developing tools to assist transport operations in

- Illustrating Maintenance trends
- Justifying Replacement programs
- Aids in budget preparation for users
- Better information to benchmark against both ourselves and the private sector
- Confidence in the output data
- Procurement Evaluation

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Questions / Discussion

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