



Dartford Local Plan
Strategic transport modelling
Stage 2b – Reference Case methodology

On behalf of



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For and on behalf of Stantec UK Limited				

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1 Introduction

- 1.1.1 Stantec have been appointed by Dartford Borough Council (DBC) to provide strategic modelling evidence in support of their emerging Local Plan. The current Dartford Local Plan comprises the Core Strategy 2011 and the Development Policies Plan 2017.
- 1.1.2 The Council is carrying out a review of its Local Plan, with a time horizon for the Local Plan of 2036. On current information, DBC consider that the existing permissions and identified sites will be capable of delivering the new homes required to meet local housing need. On this basis, considerations for the new Local Plan are likely to relate to the intensity of development at these locations, rather than identifying alternative spatial locations.

1.2 Dartford Cordon of the Lower Thames Area Model (DCLTAM)

- 1.2.1 DBC have been provided with the Dartford Cordon of the Lower Thames Area Model (DCLTAM) by Highways England (HE). This model is the supplementary consultation version and forms a key component of the Local Plan strategic transport modelling appointment.
- 1.2.2 Due to the new Local Plan identifying at an early stage that the current development strategy would provide for future need, with intensification at these locations, Stantec's remit is to review and update the DCLTAM to create a base year model (see Stage 1 report) and forecast year model (see Stage 2a report) and use this for Local Plan option testing.
- 1.2.3 The following report has been prepared to set out the proposed methodology and parameters for deriving a Reference Case model against which Local Plan models can be assessed. This is referred to as Stage 2b of Stantec's appointment.

1.3 Reference Case

- 1.3.1 A Reference Case has been advised by DBC and this is set out in further detail, with respect to land use and quanta, within this report.
- 1.3.2 The adopted Reference Case differs from the DCLTAM land use quanta (the Uncertainty Log) and this is also described within this report.

1.4 This document

- 1.4.1 The purpose of this report is to present the proposed framework for the derivation of the Reference Case. This document is structured in the following way.
- Section 2 considers the traffic generation parameters adopted for various Reference Case land uses.
 - Section 3 summarises the DCLTAM and Reference Case land use quanta included within the assessment.
 - Section 4 details the predicted traffic generation from the DCLTAM and reference Case land use based upon the input parameters described in sections 2 and 3.
 - Section 5 considers the distribution assumptions to be adopted.

2 Traffic generation

- 2.1.1 Stantec have reviewed trip rate data from the TRICS database as a standard starting point. The criteria followed aims to achieve a sample size of at least 5 sites.
- 2.1.2 The “Stage 3 methodology” Stantec report details the criteria, TRICS data extracted and trip generation rates adopted for assessment purposes for the following land uses:
- Residential (houses)
 - Residential (flats)
 - B1a/b office and research
 - B1c industrial processes
 - B8 warehousing
 - B8 parcel distribution
 - Local shops
 - Retail park
 - Leisure park
 - Leisure centre
 - Leisure – cinema
 - Hotel
 - Pub / Restaurant
- 2.1.3 The trip generation rates detailed within the “Stage 3 – methodology” report have been used to calculate traffic generation for the DCLTAM land use schedule, the Reference Case and the Local Plan preferred option.
- 2.1.4 This allows a direct and relative comparison to be made between each scenario, with respect to traffic generation, with the differences relating solely to the land use schedule considered..
- 2.1.5 Hence reference should be made to the “Stage 3 – methodology” report for further details with respect to trip generation rates adopted for assessment.

3 Land use quanta

3.1.1 The following section summarises the 2036 land use quanta for the DCLTAM baseline model (the subject of the Stage 2a report) and the derived Reference Case.

3.2 Reference Case land use quanta

3.2.1 DBC have defined a Reference Case land use schedule for assessment purposes. This quanta is summarised below and provides a comparator for the Local Plan preferred option. The land use schedule is included in greater detail at Appendix A.

Land use	Quantum
Flats	6,599
Houses	5,437
Residential	12,036
B1a and B1c (Office-Industrial)	369,329
Industrial	74,946
Warehousing	122,768
Parcel Distribution	184,153
Employment	751,196
Local shops	31,433
Retail Park-incl food	24,233
Retail	55,666
Hotel	20,032
Pub Restaurant	13,667
Hospitality	33,699
Leisure - centre	109,386
Leisure - park	6,258
Leisure - cinema	0
Leisure	115,644

3.3 Comparison with DCLTAM

3.3.1 The Reference Case quanta has been compared with the DCLTAM land use quanta (based upon the Uncertainty Log) and relative to a base year of 2019. This comparison is summarised in the table below.

Land use	DCLTAM	Reference Case	Reference Case vs DCLTAM
Flats	638	6,599	5,961
Houses	11,244	5,437	-5,807

Residential	11,882	12,036	154
B1a and B1c (Office-Industrial)	445,231	369,329	-75,902
Industrial	131,682	74,946	-56,736
Warehousing	64,720	122,768	58,048
Parcel Distribution	97,080	184,153	87,073
Employment	738,713	751,196	12,483
Local shops	27,100	31,433	4,333
Retail Park-incl food	26,233	24,233	-2,000
Retail	53,333	55,666	2,333
Hotel	20,032	20,032	0
Pub Restaurant	15,500	13,667	-1,833
Hospitality	35,532	33,699	-1,833
Leisure - centre	109,386	109,386	0
Leisure - park	6,258	6,258	0
Leisure - cinema	0	0	0
Leisure	115,644	115,644	0

- 3.3.2 It is noted that the Reference Case is higher than the DCLTAM with respect to residential, employment and retail uses. However, it includes less floor area with respect to hospitality uses and is the same with respect to leisure uses.

4 Potential traffic generation

4.1.1 The following section considers the potential traffic generation for the land use schedules summarised in the previous section.

4.2 Site locations

4.2.1 Where appropriately available, trip generation rates have been extracted for urban and suburban locations for each land use to be assessed. This is described in further detail in the “Stage 3 – methodology” report.

4.3 Reference Case generation

4.3.1 The potential Reference Case traffic generation has been calculated by multiplying the land use quanta by the appropriate trip generation rate.

4.3.2 A summary of the calculated traffic generation is shown below whilst further details are included at Appendix B for both Reference Case and DCLTAM land use.

Land use	AM peak hour vehicle generation (2-way)	PM peak hour vehicle generation (2-way)
Flats	1,620	1,826
Houses	2,756	2,768
Residential	4,377	4,594
B1a and B1c (Office-Industrial)	6,333	5,530
Industrial	634	569
Warehousing	420	317
Parcel distribution	2,330	2,867
Employment	9,716	9,283
Local shops	3,408	3,848
Retail Park-incl food	484	1,061
Retail	3,892	4,909
Hotel	73	52
Pub Restaurant	0	439
Hospitality	73	491
Leisure - centre	918	2,592
Leisure - park	58	226
Leisure - cinema	0	0
Leisure	976	2,818
TOTAL	19,034	22,094

4.4 Comparison with DCLTAM (AM peak hour)

- 4.4.1 The Reference Case traffic generation described above has been compared to that calculated for the DCLTAM using the same land use x trip rate methodology for the AM peak hour. This comparison is summarised in the table below.

Land use	DCLTAM (2-way)	Reference Case (2-way)	Reference Case vs DCLTAM
Flats	150	1,620	1,470
Houses	5,558	2,756	-2,802
Residential	5,708	4,377	-1,332
B1a and B1c (Office-Industrial)	7,665	6,333	-1,333
Industrial	1,123	634	-489
Warehousing	221	420	199
Parcel distribution	1,228	2,330	1,101
Employment	10,238	9,716	-522
Local shops	2,938	3,408	470
Retail Park-incl food	524	484	-40
Retail	3,462	3,892	430
Hotel	73	73	0
Pub Restaurant	0	0	0
Hospitality	73	73	0
Leisure - centre	918	918	0
Leisure - park	58	58	0
Leisure - cinema	0	0	0
Leisure	976	976	0
TOTAL	20,457	19,034	-1,423

- 4.4.2 It is noted from the table above that the reference Case is predicted to generate fewer vehicle trips than the DCLTAM land use schedule.

4.5 Comparison with DCLTAM (PM peak hour)

- 4.5.1 The Reference Case traffic generation described above has been compared to that calculated for the DCLTAM using the same land use x trip rate methodology for the PM peak hour. This comparison is summarised in the table below.

Land use	DCLTAM (2-way)	Reference Case (2-way)	Reference Case vs DCLTAM
Flats	189	1,826	1,637
Houses	5,523	2,768	-2,754
Residential	5,711	4,594	-1,117

B1a and B1c (Office-Industrial)	6,816	5,530	-1,287
Industrial	1,032	569	-463
Warehousing	167	317	150
Parcel distribution	1,512	2,867	1,356
Employment	9,526	9,283	-244
Local shops	3,317	3,848	530
Retail Park-incl food	1,149	1,061	-88
Retail	4,466	4,909	443
Hotel	52	52	0
Pub Restaurant	331	439	108
Hospitality	383	491	108
Leisure - centre	2,592	2,592	0
Leisure - park	226	226	0
Leisure - cinema	0	0	0
Leisure	2,818	2,818	0
TOTAL	22,905	22,094	-810

- 4.5.2 It is noted from the table above that the reference Case is predicted to generate fewer vehicle trips than the DCLTAM land use schedule.

5 Distribution

- 5.1.1 During the consultation process with the highway authorities, the merits of using census data or the DCLTAM model to determine trip distribution was discussed.
- 5.1.2 The overview of the consultation was that whilst the 2011 Journey to Work census data has its merits, it is increasingly old and only includes journeys to work. The DCLTAM distribution is based upon more recent data, based upon mobile phone movements.
- 5.1.3 It was suggested that a blend or combination of the two data sources would be a reasonable approach for distributing the Local Plan traffic generation.
- 5.1.4 The “Stage 3 – methodology” report sets out the details of the distribution adopted for assessment purposes when applied to the Local Plan preferred option.
- 5.1.5 The same methodology can be applied to the DCLTAM and Reference Case traffic generation calculations summarised in section 4 of this report. This allows a consistent and relative comparison to be made between the DCLTAM, Reference Case and Local Plan land use schedules and traffic generation effects.
- 5.1.6 The difference between the vehicle matrices for each scenario will calculate the expected difference in vehicle movements between each scenario, based upon the differences in the land use schedules for each scenario.
- 5.1.7 On this basis the difference between the DCLTAM and Reference Case vehicle matrices can be added to the 2036 baseline matrix (see Stage 2a report) to derive a 2036 Reference Case matrix.

Appendix A

Land use schedule

DCLTAM (Uncertainty Log) land use schedule (from 2019 base year)

Description		DBC zone number	Flats (units)	Houses (units)	B1a employment (m2)	Industrial employment (m2)	Warehousing (m2)	Parcel distribution (m2)	Local shops (m2)	Retail Park (m2)	Pub / Restaurant (m2)	Hotel (m2)	Leisure centre (m2)	Leisure Park (m2)	Cinema
DartfordW	The Brent	7039	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Cotton Lane	7040	0	200	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone Crossing	7041	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Steele Avenue	7042	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Watling St	7043	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Fleet Estate	7044	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Grove Rd	7045	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Green St Green	7059	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	South Darenth	7060	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7061	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Southfleet	7062	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Longfield	7063	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	New Barn	7064	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Johns Rd	7065	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone - off B2174	7066	0	850	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Lower Road	7067	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7068	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7069	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7070	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7071	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7083	0	0	0	20400	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7084	0	0	0	40800	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7085	0	0	0	40800	0	0	0	0	0	0	0	0	0
DartfordE	Bluewater	7086	0	0	0	0	0	0	0	26233	0	0	0	0	0
DartfordE	Hedge Place Road	7087	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone Castle	7088	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Clements Lake	7089	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7090	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Darenth Valley Hos	7091	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Northfleet Sub - Ac	7092	0	601	0	0	0	0	0	0	0	0	0	1758	0
DartfordE	A296- EQ access	7093	0	2023	39600	0	0	0	8580	0	0	3630	24420	0	0
DartfordE	Pilgrims Rd (proxy	7094	0	800	0	2300	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe (Cray	7095	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	International Way	7096	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A226 Ebbsfleet Car	7097	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A2260 access from	7098	0	1390	61035	0	0	0	0	0	3500	0	18195	2500	0
DartfordE	International Way	7099	0	931	182657	0	0	0	0	0	12000	9032	17191	2000	0
DartfordE	Castle Hill Drive	7100	-218	1695	39600	0	0	0	8580	0	0	3630	24420	0	0
DartfordE	Council Rd-College	7101	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Alkerden Lane	7118	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Greenhithe/Ingress	7119	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way E	7182	0	0	91000	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way W	7183	0	0	-2795	0	64720	97080	0	0	0	0	0	0	0
DartfordW	Hythe St (N)	7184	436	-20	-15266	27382	0	0	1100	0	0	0	0	0	0
DartfordW	Temple Hill	7185	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Temple Hill	7186	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	St Albans Rd	7187	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Pilgrims Way	7188	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brent Lane	7189	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Hawley	7190	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Wilmington	7191	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Heath Lane (Lower	7192	0	345	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brooklands	7193	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	South of Princes Rd	7194	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Burnham Rd	7195	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Joyden Wood	7196	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC West	7197	420	345	8600	0	0	0	0	0	0	0	0	0	0
DartfordW	Heath Lane (Upper	7198	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC North	7500	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC South	7501	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	Ingress Park	7502	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	EQ West Village	8005	0	2084	40800	0	0	0	8840	0	0	3740	25160	0	0
			638	11244	445231	131682	64720	97080	27100	26233	15500	20032	109386	6258	0

Reference Case (Uncertainty Log) land use schedule (from 2019 base year)

Description		DBC zone number	Flats (units)	Houses (units)	B1a employment (m2)	Industrial employment (m2)	Warehousing (m2)	Parcel distribution (m2)	Local shops (m2)	Retail Park (m2)	Pub / Restaurant (m2)	Hotel (m2)	Leisure centre (m2)	Leisure Park (m2)	Cinema
DartfordW	The Brent	7039	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Cotton Lane	7040	70	238	0	0	0	0	1300	0	0	0	0	0	0
DartfordE	Stone Crossing	7041	6	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Steele Avenue	7042	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Watling St	7043	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Fleet Estate	7044	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Grove Rd	7045	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Green St Green	7059	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	South Darenth	7060	0	33	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7061	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Southfleet	7062	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Longfield	7063	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	New Barn	7064	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Johns Rd	7065	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone - off B2174	7066	315	535	0	0	0	0	1200	0	0	0	0	0	0
DartfordE	Lower Road	7067	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7068	4	14	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7069	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7070	111	55	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7071	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7083	0	0	0	20400	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7084	103	0	0	30715	1650	2475	0	0	0	0	0	0	0
DartfordE	Crossways	7085	0	0	0	0	17219	25828	0	0	0	0	0	0	0
DartfordE	Bluewater	7086	0	0	0	0	0	0	0	24233	0	0	0	0	0
DartfordE	Hedge Place Road	7087	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone Castle	7088	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Clements Lake	7089	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7090	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Darenth Valley Hos	7091	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Northfleet Sub - Ac	7092	286	315	0	0	0	0	0	0	0	0	0	1758	0
DartfordE	A296- EQ access	7093	809	1214	39600	0	0	0	5720	0	2860	3630	24420	0	0
DartfordE	Pilgrims Rd (proxy	7094	262	538	0	2300	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe (Cray	7095	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	International Way	7096	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A226 Ebbsfleet Car	7097	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A2260 access from	7098	1223	167	61035	0	0	0	1500	0	2000	0	18195	2500	0
DartfordE	International Way	7099	819	112	182657	0	0	0	9000	0	3000	9032	17191	2000	0
DartfordE	Castle Hill Drive	7100	591	886	39600	0	0	0	5720	0	2860	3630	24420	0	0
DartfordE	Council Rd-College	7101	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Alkerden Lane	7118	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Greenhithe/Ingress	7119	33	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way E	7182	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way W	7183	0	0	439	19695	96739	145109	0	0	0	0	0	0	0
DartfordW	Hythe St (N)	7184	0	0	0	0	4846	7270	1100	0	0	0	0	0	0
DartfordW	Temple Hill	7185	6	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Temple Hill	7186	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	St Albans Rd	7187	0	6	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Pilgrims Way	7188	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brent Lane	7189	0	59	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Hawley	7190	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Wilmington	7191	0	6	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Heath Lane (Lower	7192	368	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brooklands	7193	0	0	5198	1836	2314	3471	0	0	0	0	0	0	0
DartfordW	South of Princes Rd	7194	0	9	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Burnham Rd	7195	436	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Joyden Wood	7196	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC West	7197	323	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Heath Lane (Upper	7198	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC North	7500	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC South	7501	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	Ingress Park	7502	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	EQ West Village	8005	834	1250	40800	0	0	0	5893	0	2947	3740	25160	0	0
			6599	5437	369329	74946	122768	184153	31433	24233	13667	20032	109386	6258	0

Appendix B

Traffic generation

Total Generation (AM peak hour) - Uncertainty Log

			1669	8139	1880	32	521	12241	4039	2099	1582	41	455	8216	5708	10238	3462	73	976	20457
			INBOUND						OUTBOUND						2 - WAY					
Description		DBC zone number	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total
DartfordW	The Brent	7039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Cotton Lane	7040	29	0	0	0	0	29	77	0	0	0	0	77	106	0	0	0	0	106
DartfordE	Stone Crossing	7041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Steele Avenue	7042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Watling St	7043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Fleet Estate	7044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Grove Rd	7045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Green St Green	7059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	South Darenth	7060	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7061	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Southfleet	7062	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Longfield	7063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	New Barn	7064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Johns Rd	7065	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone - off B2174	7066	122	0	0	0	0	122	328	0	0	0	0	328	451	0	0	0	0	451
DartfordE	Lower Road	7067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7068	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7070	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7083	0	132	0	0	0	132	0	40	0	0	0	40	0	172	0	0	0	172
DartfordE	Crossways	7084	0	264	0	0	0	264	0	81	0	0	0	81	0	345	0	0	0	345
DartfordE	Crossways	7085	0	264	0	0	0	264	0	81	0	0	0	81	0	345	0	0	0	345
DartfordE	Bluewater	7086	0	0	319	0	0	319	0	0	205	0	0	205	0	0	524	0	0	524
DartfordE	Hedge Place Road	7087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone Castle	7088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Clements Lake	7089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Darenth Valley Hosp	7091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Northfleet Sub - Ackers Drive	7092	87	0	0	0	9	96	232	0	0	0	7	239	319	0	0	0	16	335
DartfordE	A296- EQ access	7093	295	590	494	4	95	1478	615	86	436	5	88	1230	910	675	930	10	183	2708
DartfordE	Pilgrims Rd (proxy for Manor Way)	7094	115	15	0	0	0	130	309	5	0	0	0	313	424	19	0	0	0	443
DartfordE	Swanscombe (Craylands Lane)	7095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	International Way (from A2260)	7096	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A226 Ebbsfleet Car Park	7097	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A2260 access from Springhead	7098	203	909	0	0	83	1195	423	132	0	0	76	630	626	1041	0	0	159	1825
DartfordE	International Way ((from rbt)	7099	136	2720	0	10	77	2943	283	395	0	14	70	761	419	3114	0	24	147	3704
DartfordE	Castle Hill Drive	7100	231	625	494	9	126	1485	612	68	436	11	105	1232	843	693	930	20	232	2717
DartfordE	Council Rd-College Ave	7101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Alkerden Lane	7118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Greenhithe/Ingress Park	7119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way E	7182	0	1436	0	0	0	1436	0	156	0	0	0	156	0	1592	0	0	0	1592
DartfordE	Bob Dunn Way W	7183	0	495	0	0	0	495	0	905	0	0	0	905	0	1401	0	0	0	1401
DartfordW	Hythe St (N)	7184	24	-82	63	0	0	5	72	64	56	0	0	191	96	-19	119	0	0	196
DartfordW	Temple Hill	7185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Temple Hill	7186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	St Albans Rd	7187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Pilgrims Way	7188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brent Lane	7189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Hawley	7190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Wilmington	7191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Heath Lane (Lower)	7192	50	0	0	0	0	50	105	0	0	0	0	105	155	0	0	0	0	155
DartfordW	Brooklands	7193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	South of Princes Rd	7194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Burnham Rd	7195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Joyden Wood	7196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC West	7197	76	128	0	0	0	204	180	19	0	0	0	198	256	147	0	0	0	403
DartfordW	Heath Lane (Upper)	7198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC North	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC South	7501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	Ingress Park	7502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	EQ West Village	8005	300	644	509	9	130	1592	804	70	449	11	108	1443	1105	714	959	20	239	3036
			1669	8139	1880	32	521	12241	4039	2099	1582	41	455	8216	5708	10238	3462	73	976	20457

Total Generation (PM peak hour) - Uncertainty Log

		3659	1912	2251	229	1525	9575	2052	7615	2216	155	1292	13330	5711	9526	4466	383	2818	22905	
		INBOUND						OUTBOUND						2 - WAY						
Description		DBC zone number	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total
DartfordW	The Brent	7039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Cotton Lane	7040	75	0	0	0	0	75	34	0	0	0	0	34	108	0	0	0	0	108
DartfordE	Stone Crossing	7041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Steele Avenue	7042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Watling St	7043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Fleet Estate	7044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Grove Rd	7045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Green St Green	7059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	South Darenth	7060	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7061	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Southfleet	7062	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Longfield	7063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	New Barn	7064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Johns Rd	7065	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone - off B2174	7066	317	0	0	0	0	317	144	0	0	0	0	144	461	0	0	0	0	461
DartfordE	Lower Road	7067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7068	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7070	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Swanscombe	7071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7083	0	30	0	0	0	30	0	124	0	0	0	124	0	154	0	0	0	154
DartfordE	Crossways	7084	0	60	0	0	0	60	0	249	0	0	0	249	0	308	0	0	0	308
DartfordE	Crossways	7085	0	60	0	0	0	60	0	249	0	0	0	249	0	308	0	0	0	308
DartfordE	Bluewater	7086	0	0	594	0	0	594	0	0	555	0	0	555	0	0	1149	0	0	1149
DartfordE	Hedge Place Road	7087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone Castle	7088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Clements Lake	7089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Darenth Valley Hosp	7091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Northfleet Sub - Ackers Drive	7092	224	0	0	0	39	263	102	0	0	0	25	126	326	0	0	0	63	389
DartfordE	A296- EQ access	7093	492	82	524	4	250	1353	374	492	526	3	262	1657	866	575	1050	7	512	3009
DartfordE	Pilgrims Rd (proxy for Manor Way)	7094	298	3	0	0	0	302	135	14	0	0	0	149	434	17	0	0	0	451
DartfordE	Swanscombe (Craylands Lane)	7095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	International Way (from A2260)	7096	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A226 Ebbsfleet Car Park	7097	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A2260 access from Springhead	7098	338	127	0	45	242	752	257	759	0	30	230	1276	595	886	0	75	472	2027
DartfordE	International Way ((from rbt)	7099	226	380	0	164	220	991	172	2270	0	109	212	2764	398	2650	0	273	433	3754
DartfordE	Castle Hill Drive	7100	594	75	524	8	381	1582	268	583	526	7	277	1661	862	658	1050	14	659	3243
DartfordE	Council Rd-College Ave	7101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Alkerden Lane	7118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Greenhithe/Ingress Park	7119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way E	7182	0	172	0	0	0	172	0	1340	0	0	0	1340	0	1512	0	0	0	1512
DartfordE	Bob Dunn Way W	7183	0	760	0	0	0	760	0	872	0	0	0	872	0	1632	0	0	0	1632
DartfordW	Hythe St (N)	7184	74	68	67	0	0	209	43	-46	67	0	0	64	117	22	135	0	0	273
DartfordW	Temple Hill	7185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Temple Hill	7186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	St Albans Rd	7187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Pilgrims Way	7188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brent Lane	7189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Hawley	7190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Wilmington	7191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Heath Lane (Lower)	7192	84	0	0	0	0	84	64	0	0	0	0	64	148	0	0	0	0	148
DartfordW	Brooklands	7193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	South of Princes Rd	7194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Burnham Rd	7195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Joyden Wood	7196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC West	7197	160	18	0	0	0	178	108	107	0	0	0	215	268	125	0	0	0	393
DartfordW	Heath Lane (Upper)	7198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC North	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC South	7501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	Ingress Park	7502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	EQ West Village	8005	777	77	540	8	393	1796	352	601	542	7	286	1788	1130	678	1082	15	679	3583
		3659	1912	2251	229	1525	9575	2052	7615	2216	155	1292	13330	5711	9526	4466	383	2818	22905	

Total Generation (AM peak hour) - Reference Case

		1193	7077	2105	32	521	10928	3184	2639	1787	41	455	8106	4377	9716	3892	73	976	19034	
		INBOUND						OUTBOUND						2 - WAY						
Description		DBC zone number	Reside ntial	Employ ment	Retail	Hospit ality	Leisure	Total	Reside ntial	Employ ment	Retail	Hospit ality	Leisure	Total	Reside ntial	Employ ment	Retail	Hospit ality	Leisure	Total
DartfordW	The Brent	7039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Cotton Lane	7040	39	0	75	0	0	113	105	0	66	0	0	171	144	0	141	0	0	285
DartfordE	Stone Crossing	7041	0	0	0	0	0	0	1	0	0	0	0	1	2	0	0	0	0	2
DartfordE	Steele Avenue	7042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Watling St	7043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Fleet Estate	7044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Grove Rd	7045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Green St Green	7059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	South Darenth	7060	5	0	0	0	0	5	13	0	0	0	0	13	17	0	0	0	0	17
Dartford S	Bean	7061	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Southfleet	7062	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Longfield	7063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	New Barn	7064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Johns Rd	7065	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone - off B2174	7066	96	0	69	0	0	165	267	0	61	0	0	328	364	0	130	0	0	494
DartfordE	Lower Road	7067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7068	2	0	0	0	0	2	6	0	0	0	0	6	8	0	0	0	0	8
DartfordE	Swanscombe	7069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7070	15	0	0	0	0	15	43	0	0	0	0	43	57	0	0	0	0	57
DartfordE	Swanscombe	7071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7083	0	132	0	0	0	132	0	40	0	0	0	40	0	172	0	0	0	172
DartfordE	Crossways	7084	6	212	0	0	0	219	20	84	0	0	0	104	26	296	0	0	0	323
DartfordE	Crossways	7085	0	144	0	0	0	144	0	242	0	0	0	242	0	386	0	0	0	386
DartfordE	Bluewater	7086	0	0	295	0	0	295	0	0	189	0	0	189	0	0	484	0	0	484
DartfordE	Hedge Place Road	7087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone Castle	7088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Clements Lake	7089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Darenth Valley Hosp	7091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Northfleet Sub - Ackers Drive	7092	63	0	0	0	9	72	177	0	0	0	7	184	240	0	0	0	16	256
DartfordE	A296- EQ access	7093	227	590	329	4	95	1245	513	86	291	5	88	983	740	675	620	10	183	2228
DartfordE	Pilgrims Rd (proxy for Manor Way)	7094	93	15	0	0	0	108	258	5	0	0	0	263	352	19	0	0	0	371
DartfordE	Swanscombe (Craylands Lane)	7095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	International Way (from A2260)	7096	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A226 Ebbsfleet Car Park	7097	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A2260 access from Springhead	7098	100	909	86	0	83	1179	268	132	76	0	76	552	369	1041	163	0	159	1731
DartfordE	International Way ((from rbt)	7099	67	2720	518	10	77	3392	180	395	458	14	70	1116	247	3114	976	24	147	4508
DartfordE	Castle Hill Drive	7100	164	625	329	9	126	1253	456	68	291	11	105	931	620	693	620	20	232	2184
DartfordE	Council Rd-College Ave	7101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Alkerden Lane	7118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Greenhithe/Ingress Park	7119	2	0	0	0	0	2	6	0	0	0	0	6	8	0	0	0	0	8
DartfordE	Bob Dunn Way E	7182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way W	7183	0	941	0	0	0	941	0	1400	0	0	0	1400	0	2341	0	0	0	2341
DartfordW	Hythe St (N)	7184	0	40	63	0	0	104	0	68	56	0	0	124	0	109	119	0	0	228
DartfordW	Temple Hill	7185	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	1
DartfordW	Temple Hill	7186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	St Albans Rd	7187	1	0	0	0	0	1	2	0	0	0	0	2	3	0	0	0	0	3
DartfordW	Pilgrims Way	7188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brent Lane	7189	9	0	0	0	0	9	18	0	0	0	0	18	27	0	0	0	0	27
Dartford S	Hawley	7190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Wilmington	7191	1	0	0	0	0	1	2	0	0	0	0	2	3	0	0	0	0	3
DartfordW	Heath Lane (Lower)	7192	23	0	0	0	0	23	66	0	0	0	0	66	88	0	0	0	0	88
DartfordW	Brooklands	7193	0	106	0	0	0	106	0	50	0	0	0	50	0	157	0	0	0	157
DartfordW	South of Princes Rd	7194	1	0	0	0	0	1	3	0	0	0	0	3	4	0	0	0	0	4
DartfordW	Burnham Rd	7195	27	0	0	0	0	27	78	0	0	0	0	78	105	0	0	0	0	105
Dartford S	Joyden Wood	7196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC West	7197	20	0	0	0	0	20	57	0	0	0	0	57	78	0	0	0	0	78
DartfordW	Heath Lane (Upper)	7198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC North	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC South	7501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	Ingress Park	7502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	EQ West Village	8005	231	644	339	9	130	1353	643	70	300	11	108	1132	874	714	639	20	239	2486
		1193	7077	2105	32	521	10928	3184	2639	1787	41	455	8106	4377	9716	3892	73	976	19034	

Total Generation (PM peak hour) - Reference Case

		3003	2319	2470	296	1525	9613	1591	6964	2439	195	1292	12482	4594	9283	4909	491	2818	22094	
		INBOUND						OUTBOUND						2 - WAY						
Description		DBC zone number	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total	Residential	Employment	Retail	Hospitality	Leisure	Total
DartfordW	The Brent	7039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Cotton Lane	7040	101	0	79	0	0	180	46	0	80	0	0	126	147	0	159	0	0	306
DartfordE	Stone Crossing	7041	1	0	0	0	0	1	1	0	0	0	0	1	2	0	0	0	0	2
DartfordE	Steele Avenue	7042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Watling St	7043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Fleet Estate	7044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Grove Rd	7045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Green St Green	7059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	South Darenth	7060	12	0	0	0	0	12	6	0	0	0	0	6	18	0	0	0	0	18
Dartford S	Bean	7061	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Southfleet	7062	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Longfield	7063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	New Barn	7064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Johns Rd	7065	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone - off B2174	7066	255	0	73	0	0	328	118	0	74	0	0	191	372	0	147	0	0	519
DartfordE	Lower Road	7067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7068	6	0	0	0	0	6	3	0	0	0	0	3	9	0	0	0	0	9
DartfordE	Swanscombe	7069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Knockhall Rd	7070	40	0	0	0	0	40	19	0	0	0	0	19	59	0	0	0	0	59
DartfordE	Swanscombe	7071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Crossways	7083	0	30	0	0	0	30	0	124	0	0	0	124	0	154	0	0	0	154
DartfordE	Crossways	7084	18	64	0	0	0	82	9	211	0	0	0	219	27	275	0	0	0	302
DartfordE	Crossways	7085	0	204	0	0	0	204	0	243	0	0	0	243	0	447	0	0	0	447
DartfordE	Bluewater	7086	0	0	549	0	0	549	0	0	513	0	0	513	0	0	1061	0	0	1061
DartfordE	Hedge Place Road	7087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Stone Castle	7088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	St Clements Lake	7089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Bean	7090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Darenth Valley Hosp	7091	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Northfleet Sub - Ackers Drive	7092	168	0	0	0	39	206	78	0	0	0	25	103	245	0	0	0	63	309
DartfordE	A296- EQ access	7093	441	82	350	41	250	1164	310	492	351	27	262	1442	752	575	700	68	512	2606
DartfordE	Pilgrims Rd (proxy for Manor Way)	7094	247	3	0	0	0	250	113	14	0	0	0	127	360	17	0	0	0	377
DartfordE	Swanscombe (Craylands Lane)	7095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	International Way (from A2260)	7096	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A226 Ebbsfleet Car Park	7097	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	A2260 access from Springhead	7098	262	127	92	26	242	748	161	759	92	17	230	1258	422	886	184	43	472	2006
DartfordE	International Way ((from rbt)	7099	175	380	550	48	220	1374	108	2270	552	32	212	3174	283	2650	1102	80	433	4548
DartfordE	Castle Hill Drive	7100	434	75	350	89	381	1329	201	583	351	59	277	1470	634	658	700	148	659	2799
DartfordE	Council Rd-College Ave	7101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Alkerden Lane	7118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Greenhithe/Ingress Park	7119	6	0	0	0	0	6	3	0	0	0	0	3	9	0	0	0	0	9
DartfordE	Bob Dunn Way E	7182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordE	Bob Dunn Way W	7183	0	1174	0	0	0	1174	0	1491	0	0	0	1491	0	2665	0	0	0	2665
DartfordW	Hythe St (N)	7184	0	57	67	0	0	125	0	68	67	0	0	136	0	126	135	0	0	260
DartfordW	Temple Hill	7185	1	0	0	0	0	1	1	0	0	0	0	1	2	0	0	0	0	2
DartfordW	Temple Hill	7186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	St Albans Rd	7187	1	0	0	0	0	1	1	0	0	0	0	1	3	0	0	0	0	3
DartfordW	Pilgrims Way	7188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	Brent Lane	7189	14	0	0	0	0	14	11	0	0	0	0	11	25	0	0	0	0	25
Dartford S	Hawley	7190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford S	Wilmington	7191	2	0	0	0	0	2	1	0	0	0	0	1	3	0	0	0	0	3
DartfordW	Heath Lane (Lower)	7192	67	0	0	0	0	67	39	0	0	0	0	39	106	0	0	0	0	106
DartfordW	Brooklands	7193	0	45	0	0	0	45	0	107	0	0	0	107	0	152	0	0	0	152
DartfordW	South of Princes Rd	7194	2	0	0	0	0	2	2	0	0	0	0	2	4	0	0	0	0	4
DartfordW	Burnham Rd	7195	79	0	0	0	0	79	46	0	0	0	0	46	125	0	0	0	0	125
Dartford S	Joyden Wood	7196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC West	7197	58	0	0	0	0	58	34	0	0	0	0	34	93	0	0	0	0	93
DartfordW	Heath Lane (Upper)	7198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC North	7500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DartfordW	TC South	7501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	Ingress Park	7502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartford E	EQ West Village	8005	612	77	360	92	393	1534	283	601	361	60	286	1591	895	678	721	152	679	3126
		3003	2319	2470	296	1525	9613	1591	6964	2439	195	1292	12482	4594	9283	4909	491	2818	22094	