

Future Infrastructure Requirements for Services September 2009.

Identifying Future Infrastructure Requirements for the Aberdeenshire Local Development Plan Environment Team Proposals

This report is a response by the Planning & Environment Service Environment Team to the June 2009 FIRS LDP infrastructure requirements report and summarises the “green infrastructure” requirements for the preferred sites shown in the LDP Main Issues report.

The draft schedule was produced following meetings with the other Environment Planners in July and in August with Structures, Roads & Landscape Services and is based upon 2008/2009 job rates and very basic route length or area calculations which are detailed separately. Further work needs to be done at the development framework and master plan stages to provide more detailed costings and land take requirements.

Green infrastructure can be defined as the infrastructure needed to support and enjoy the network of natural environmental features within and between the towns and villages of Aberdeenshire and the city of Aberdeen that provides multiple social, economic and environmental services. Green Infrastructure provides a mechanism to respond to national legislation and policy guidance in land use and development delivery terms with regards to water resource management, nature conservation, transportation, public open space and woodland cover.

Green infrastructure is referred to in the National Planning Framework for Scotland <http://www.scotland.gov.uk/Publications/2009/07/02105627/4> but has a longer pedigree. The idea originated in the 1902 book “Garden Cities for Tomorrow” by Ebenezer Howard which inspired the establishment of the New Towns between 1949 to 1989 in the U.K. Green Infrastructure projects have been developed across Europe particularly in Germany and Holland. Closer to home the Glasgow & Clyde Valley Green Network <http://www.gcvgreennetwork.gov.uk/about/overview.php> is developing its own green infrastructure projects. Good design including public art has to be an essential part of the green infrastructure process.

Settlement	Housing (units)	Employment (ha)	Infrastructure	Costings	Programming
Aberchirder	80	0	New cemetery		During development
Banff	800	4	Improve national cycleway link and national coastal path links to Whitehills. Enhancement of beach shelters (2). Landscape and woodland recreational network based upon Duff House Woods and Lusylaw Woods (20ha). Cycleways to link new sites & existing town together. Allotments (1ha) Cemetery	£30k £25K £100k £120k £50k	During development
Inverallochy	100	0	Connections, parking and upgrading to the national coastal path, New cemetery.	£30k	During development
Fraserburgh	1000	6	Improve national coastal path links into and out of town. New park. Landscape and recreational network including community woodlands & cycleways to link new sites with existing town. New cycleway connections, parking and upgrading to the Formartine & Buchan Way. Allotments (1ha) Cemetery	£60k £? £115K £150k £50k £?	During development
Macduff	50	10			
Portsoy	90	0.5			
Auchnagatt	45	0			
Boddam	50	Mixed use			

Settlement	Housing (units)	Employment (ha)	Infrastructure	Costings	Programming
Cruden Bay	100	Mixed use	Connection to national coastal path. Ladies Bridge upgrade.	£15k £312K	During development
Hatton	40	15			
Mintlaw	850	5	Landscape and recreational network including cycleways to link new sites & existing town together. New cycleway connections, parking and upgrading to the Formartine & Buchan Way. Redefine square. Allotments (1.5ha).	£100k £75K £100k £75k	During development
Peterhead	1180	45	National coastal path linkages & improvements. Linkages, improvements and extensions to River Ugie Park, Collieburn & Dales Parks including paths, bridges, wetlands and woodlands (20ha). New play areas Allotments (1ha) Landscape and recreational network including cycleways to link together new sites with the existing town centre and employment areas. Formatine & Buchan Way needs upgrading of existing line into town centre to include cycleway connections to new sites, surfacing, and lighting.	£40K £400K £? £50k £300K £300K	During development
Stuartfield	70	0			
Balmedie	450	26	Regional SUDS. Landscape and recreational network including on road and off road cycleway network through the Village and linking to new (bid) sites with the existing town, but also to link to Blackdog & Potterton. A90 pedestrian/cyclist crossing or underpass needed.	£300k £884K	Prior to development. During development

Settlement	Housing (units)	Employment (ha)	Infrastructure	Costings	Programming
Blackdog	600	12	Regional SUDS. Landscape and recreational network including cycleways to link new sites together but also to link to Balmedie, Potterton & Bridge of Don (2m). Tie in cycleway links with AWPR proposals.	£200k	Prior to development. During development
Ellon	1200	52	New Ythan Cycleway Cromley Bank bridge crossing. Riverside park extension on north & south banks. Landscape and recreational network including cycleways to link existing town centre, the Park & Ride site on Castle Road & new sites together. New cycleway connections to Formartine & Buchan Way also included. Allotments (1.5ha).	£475K £250k £500k £75k	During development
Newburgh	100	0	Improvements to national coastal path	£40k	
Oldmeldrum	540	17	Regional SUDS. Landscape and recreational network including cycleways to link new sites & town together. Cycleway link to Inverurie along former railway line to Lochter Path links to and through Meldrum House Estate. Allotments (0.5ha).	£300k £100k £10k £25k	Prior to development. During development
Potterton	450	4.5	Regional SUDS. Landscape and recreational network including cycleways to link new sites to the existing village but also to Belhelvie, Blackdog & Balmedie. A90 pedestrian & cyclist crossing or underpass. Enhanced village centre area. Allotments (0.5ha)	£100k £884k £100k £25k	Prior to development. During development
Tarves	100	1			

Settlement	Housing (units)	Employment (ha)	Infrastructure	Costings	Programming
Turriff	600	10	Regional SUDS Allotments (1ha) New footbridges Colly Stripe & Turriff Burn (3) Landscape and recreational network including cycleways to link new sites, town centre & existing town together. Protection and enhancement of paths into adjacent countryside area including route to Delgattie Castle.	£50k £100k £100k £30k	Prior to development. During development
Chapel of Garioch	70	0			
Insch	60	4			
Inverurie	1900	25	Regional SUDS Ury Riverside Park. Allotments (2ha) Cycleway & footbridges over river Ury (6 approx). Cycleway bridge over railway to Ury Riverside Park. A90 Old Kemnay Road cycleway bridge Crichton:Port Elphinstone Old Kemnay Road path link improvements Cycleway to Kintore via Paper Mill. Cycleway link to Old Meldrum (Inverurie/Lochter). Gordon Way Link Corsman Hill:Crichton developments path link including River Don Cycleway bridge Don Road Bridge Upper Boat	£2m £100k £2.5m £1m £4.3m £15k £150k £250k £10k £500k £1.949m	Prior to development. During Development
Kemnay	205	9	New Don cycleway bridge. Allotments (0.5ha)	£380K £25k	During development

Settlement	Housing (units)	Employment (ha)	Infrastructure	Costings	Programming
Kintore	600	30	Regional SUDS	£60K	Prior to development. During development.
			Gauch Hill Wood & playing fields.		
			Tuach Hill Park.		
			Allotments (1ha)	£50K	
			Landscape and recreational cycleway network along canal/River Don to Inverurie.	£100k	
Cycleways network to link new sites, new railway station & existing town together	£100k				
Upgrading existing footway located on south side of A96 between Thainstone and Kintore to Cycleway.	£300k				
Provision of cycleway on north side of A96 between Kintore and Blackburn	£600k				
Newmachar	625	3	Landscape and recreational network including cycleways to link new sites & existing village centre together.	£100k	During development
			New cycleway connections, parking and upgrading to the Formatine & Buchan Way.	£70K	
			Allotments. (1ha)	£50K	
Auchenblae	80	Mixed use			
Gourdon/Inverbervie	400	10.6	Link to national cycleway route.	£40K	During development
			Link to national coastal path	£30k	
			Landscape and recreational network including cycleways to link new sites and existing towns together.	£70k	
			Allotments (1ha)	£50K	

Settlement	Housing (units)	Employment (ha)	Infrastructure	Costings	Programming
Laurencekirk	885	20	Regional SUDS Landscape and recreational network including cycleways to link new sites, railway station & existing town together. Allotments (1ha)	£70k £50k	Prior to development. During development
Marywell (Findon)	0	96	Railway bridge for national cycleway network link to Aberdeen.	£390k	During development
Newtonhill (Elsick)	4000	80	Regional SUDS Woodland Park landscape and recreational 20 ha network. Allotments (4ha) Cycleway network to link new town together & to access adjacent towns.	£500k £200k £240K	Prior to development. During development.
Portlethen	1550	30	SUDS Landscape and recreational new woodland (10ha) network. Allotments (1.5 ha) Cycleways to link new sites to existing town together with access adjacent towns.	£250k £75k £360K	Prior to development. During development
Stonehaven	430	0	National cycleway route improvements. Dunnotar Woodland Park Paths & Management Landscape and recreational cycleway network to link new sites & existing town centre together.	£30k £80k £140k	During development.

Settlement	Housing (units)	Employment (ha)	Infrastructure	Costings	Programming
Banchory Leggart	2425	50	Regional SUDS. Dee cycleway bridge. National cycleway alternative route. Woodland Park landscape and recreational (40 ha) network. Cyclepaths to link new sites, City & Portlethen together. Allotments (2.5 ha).	£900k £40k £400k £480k £125K	Prior to development During development
Aboyne	100	Mixed use	Landscape and recreational cycleway network to link new sites & existing town together Deeside Way connection.	£60K £30k	During development
Alford	100	4	Landscape and recreational cycleway network to link new sites & existing town together	£60k	During development
Banchory	300	2	Woodland Park landscape and recreational (10ha) network . Cycleways to link new sites & existing town together. Connection to Deeside Way. Allotments (0.5ha)	£100k £180K £30k £25k	During development
Huntly	300	12	Landscape and recreational cycleway network to east and south to link new sites & existing town together. Access to Battlehill Wood & Kinnoir Wood River Bogie new cycleway bridge to link existing town and new sites Allotments (0.5ha).	£60K £40k .£120k £25K	During development.

Mixed use is probably 50% employment 50% housing at a rate of approx 3000sqm Gross Floor Area per ha