Peacehaven Brighto	on Wastewater	System - Outlin	e Option	s Apprais	al							
Generic Option	Location of Risk	Planning Objective and Description of Risk	Option Reference	Description	Further Description	Unconstrained Option?	Constrained Option?	Feasible Option?	Net Benefits	Estimated Cost	Preferred Option	Best value / Least cost or Reasons for Rejection
Control/ Reduce surface water entering the sewers	BRIG FC01_1 - Middle Road,	PO4 and PO7 Flooding	BRIG.SC01.1	Surface Water Separation	DAP Option.	No						
Control/ Reduce surface water entering the sewers	BRIG FC02_1 - The Ridgeway,	PO4 and PO7 Flooding	BRIG.SC01.2	Surface Water Separation	DAP Option.	No						
Control/ Reduce surface water entering the sewers	BRIG FC03_1 - Tongdean Lane,	PO4 and PO7 Flooding	BRIG.SC01.3	Surface Water Separation	DAP Option.	No						
Control/ Reduce surface water entering the sewers	BRIG FC04_1 - South Coast Road,	PO4 and PO7 Flooding	BRIG.SC01.4	Surface Water Separation	DAP Option.	No						
Control/ Reduce surface water entering the sewers	BRIG FC05_1 - Preston / New	PO4 and PO7 Flooding	BRIG.SC01.5	Surface Water	DAP Option.	No						
Control/ Reduce surface water entering the sewers	England Rd, BRIG FC06_1 - Wilbury Crescent,	PO4 and PO7 Flooding	BRIG.SC01.6	Separation Surface Water	DAP Option.	No						
· · ·			BRIG.SC01.7	Separation Surface Water	DAP Option.	No						
Control / Reduce groundwater infiltration	,	, et all a start g		Separation								
mprove quality of wastewater entering sewers (inc reducing FOG, RAG, pre-treatment, trade waste)	Catchment Wide	PO1- Internal Flooding	BRIG.SC03.1	Customer Education Programme	Customer education programme to reduce the risk.	Yes	Yes	Yes	Minor Positive +	£115K	Yes	Best Value
Control / Reduce the quantity / flow of wastewater entering sewer system												
Network Improvements (eg increase capacity, storage, conveyance)	MARINE DRIVE BRIGHTON WPS	PO1- Internal Flooding	BRIG.PW01.1	Maintenance Programme	An efficient maintenance programme for pumping stations and/Treatment works.	No						Risk and uncertainty - future resilience
Network Improvements (eg increase capacity, storage, conveyance)	Hotspot 1 - Preston Park Hotspot 2 - The Lanes Hotspot 3 - Peacehaven	PO1- Internal Flooding	BRIG.PW01.2	Additional Storage	Additional Storage.	No						Do customer support it
Network Improvements (eg increase capacity, storage, conveyance)	Catchment Wide	PO1- Internal Flooding	BRIG.PW01.3	Pipe Rehabilitation Programme	Pipe Rehabilitation Programme.	No						Risk and uncertainty - future resilience
Network Improvements (eg increase capacity, storage, conveyance)	Falmer- Goldstone (Priority Catchment)- Lewes Road (Priority Catchment)- Patcham- Surrenden (Priority Catchment)- Balsdean- Housedean- Newmarket (B,C and D)-	PO12- Ground Water Pollution	BRIG.PW01.4	Pipe Rehabilitation Programme	Total length of sewer within protection zones- 0km.	Yes	Yes	Yes	Minor Positive +	£10,400K	Yes	Best Value
Network Improvements (eg increase capacity, storage, conveyance)	Catchment Wide	PO1- Internal Flooding	BRIG.PW01.5	Jetting Programme	Jetting Programme.	Yes	Yes	Yes	Minor Positive +	£810K	Yes	Best Value
Network Improvements (eq increase capacity, storage, conveyance)	BRIG FC01_1 - Middle Road,	PO4 and PO7 Flooding	BRIG.PW01.6	Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£5,930K	Yes	Best Value
Network Improvements	BRIG FC02_1 - The Ridgeway,	PO4 and PO7 Flooding	BRIG.PW01.7	Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£6,735K	Yes	Best Value
(eg increase capacity, storage, conveyance) Network Improvements	BRIG FC03_1 - Tongdean Lane,	PO4 and PO7 Flooding	BRIG.PW01.8	Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£3,310K	Yes	Best Value
(eg increase capacity, storage, conveyance) Network Improvements	BRIG FC04_1 - South Coast Road,	PO4 and PO7 Flooding	BRIG.PW01.9	Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£2,280K	Yes	Best Value
(eg increase capacity, storage, conveyance) Network Improvements	BRIG FC05_1 - Preston / New		BRIG.PW01.10	Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£1,250K	Yes	Best Value
(eg increase capacity, storage, conveyance) Network Improvements	England Rd, BRIG FC06_1 - Wilbury Crescent,	Ğ	BRIG.PW01.11	Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£735K	Yes	Best Value
(eg increase capacity, storage, conveyance) Network Improvements	BRIG FC07 1 - Warmdene Road,		BRIG.PW01.12		DAP Option.	Yes	Yes	Yes	Major Positive +++	£8,755K	Yes	Best Value
eg increase capacity, storage, conveyance) Network Improvements				Storage Upsizing and Online								
(eg increase capacity, storage, conveyance) Network Improvements	BRIG FC01 Clarendon Villas		BRIG.PW01.13	Storage Upsizing and Offline	DAP Option.	Yes	Yes	Yes	Major Positive +++	£TBC - With Partners	No	Best Value
eg increase capacity, storage, conveyance) Network Improvements	BRIG FC02 Clarendon Villas		BRIG.PW01.14	Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£1,470K	Yes	Best Value
eg increase capacity, storage, conveyance)	BRIG FC03 Godwin Road	PO4, PO7 and PO1 - Flooding	BRIG.PW01.15	Upsizing and Offling	DAP Option.	Yes	Yes	Yes	Major Positive +++	£TBC - With Partners	No	Best Value
Network Improvements eg increase capacity, storage, conveyance)	BRIG FC04 Godwin Road	PO4, PO7 and PO1 - Flooding	BRIG.PW01.16	Upsizing and Offline Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£450K	Yes	Best Value
Network Improvements (eg increase capacity, storage, conveyance)	BRIG FC05 Millyard Crescent	PO4, PO7 and PO1 - Flooding	BRIG.PW01.17	Upsizing and Online Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£1,295K	Yes	Best Value
Vetwork Improvements (eg increase capacity, storage, conveyance)	BRIG FC06 Millyard Crescent	PO4, PO7 and PO1 - Flooding	BRIG.PW01.18	Upsizing and Offline Storage	DAP Option.	No						
Network Improvements (eg increase capacity, storage, conveyance)	BRIG FC07 Ovingdean Road	PO4 and PO7 - Flooding	BRIG.PW01.19	Upsizing and Online Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£TBC - With Partners	No	Best Value
Network Improvements (eg increase capacity, storage, conveyance)	BRIG FC07 Ovingdean Road	PO4 and PO7 - Flooding	BRIG.PW01.20	Upsizing and Offline Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£985K	Yes	Best Value
Network Improvements (eg increase capacity, storage, conveyance)	BRIG FC08 Stanmer Villas	PO4, PO7 and PO1 - Flooding	BRIG.PW01.21	Upsizing and Offline Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£1,840K	Yes	Best Value
Vetwork Improvements (eq increase capacity, storage, conveyance)	BRIG FC09 Stanmer Villas	PO4, PO7 and PO1 - Flooding	BRIG.PW01.22	Upsizing and Offline Storage	DAP Option.	No						
Vetwork Improvements eg increase capacity, storage, conveyance)	BRIG FC011 Woodland Drive	PO4, PO7 and PO1 - Flooding	BRIG.PW01.23	Upsizing and Offline Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£165K	Yes	Best Value
Network Improvements	BRIG FC012 Woodland Drive	PO4, PO7 and PO1 - Flooding	BRIG.PW01.24	Offline Storage	DAP Option.	No						
eg increase capacity, storage, conveyance) Network Improvements	BRIG FC013 Montreal Close		BRIG.PW01.25	New sewers and Offline	DAP Option.	Yes	Yes	Yes	Major Positive +++	£475K	Yes	Best Value
(eg increase capacity, storage, conveyance) Network Improvements	BRIG FC014 Tongdean Lane/Valley		BRIG.PW01.26	Storage Upsizing, Online and	DAP Option.	No						
(eg increase capacity, storage, conveyance) Network Improvements	Drive BRIG FC015 Tongdean Lane/Valley		BRIG.PW01.27	Offline Storage Upsizing, Online and	DAP Option.	No						
eg increase capacity, storage, conveyance) Vetwork Improvements eg increase capacity, storage, conveyance)	Drive BRIG FC016 Willbury Crescent	-	BRIG.PW01.28	Offline Storage Upsizing, Online Storage and Offline Storage	· ·	No						
Network Improvements	BRIG FC017 Willbury Crescent	PO4, PO7 and PO1 - Flooding	BRIG.PW01.29	Upsizing and Offline	DAP Option.	No						
eg increase capacity, storage, conveyance) Network Improvements	BRIG FC018 Preston Road		BRIG.PW01.30	Storage Upsizing and Offline	DAP Option.	No						
eg increase capacity, storage, conveyance)	Brad Footo Fresion Road		5110.1 101.30	Storage	Dra Option.	NO						

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Network Improvements eg increase capacity, storage, conveyance)	BRIG FC019 Clarendon Villas	PO4 and PO7 - Growth	BRIG.PW01.31	Upsizing and Offline Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£2,385K	Yes	Best Value
Network Improvements eg increase capacity, storage, conveyance)	BRIG FC020 Woodland Drive	PO4 and PO7 - Growth	BRIG.PW01.32	Upsizing and Offline Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£2,385K	Yes	Best Value
letwork Improvements eg increase capacity, storage, conveyance)	BRIG FC021 Preston Road	PO4 and PO7 - Growth	BRIG.PW01.33	Upsizing and 2 new storages	DAP Option.	Yes	Yes	Yes	Major Positive +++	£2,385K	Yes	Best Value
letwork Improvements eg increase capacity, storage, conveyance)	BRIG FC022 Brighton	PO4 and PO7 - Growth	BRIG.PW01.34	Upsizing, Relay and 2 new Offline Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£2,385K	Yes	Best Value
letwork Improvements eg increase capacity, storage, conveyance)	BRIG FC023 Brighton	PO4 and PO7 - Growth	BRIG.PW01.35	Upsizing	DAP Option.	Yes	Yes	Yes	Major Positive +++	£2,385K	Yes	Best Value
letwork Improvements eg increase capacity, storage, conveyance)	BRIG FC024 Brighton	PO4 and PO7 - Growth	BRIG.PW01.36	Upsizing and Offline Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£2,385K	Yes	Best Value
letwork Improvements eg increase capacity, storage, conveyance)	BRIG FC025 Millyard Crescent and Ovingdean Road	PO4 and PO7 - Growth	BRIG.PW01.37	Upsizing and Offline Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£2,385K	Yes	Best Value
Network Improvements eg increase capacity, storage, conveyance)	BRIG FC026 Montreal Close	PO4 and PO7 - Growth	BRIG.PW01.38	Upsizing	DAP Option.	Yes	Yes	Yes	Major Positive +++	£2,385K	Yes	Best Value
Network Improvements eg increase capacity, storage, conveyance)	BRIG FC027 Brighton Marina CEO	PO4, PO7 and PO5 - Growth	BRIG.PW01.39	Storage	DAP Option.	Yes	Yes	Yes	Major Positive +++	£2,385K	Yes	Best Value
nprove treatment capacity and quality at existing works or develop ww WTWs)												
Vastewater Transfer												
Mitigate impacts on Air Quality e.g. Carbon neutrality, noise, odour)												Not included in the first round of DWMPs
mprove Land and Soils												Not included in the first round of DWMP
litigate impacts on Water Quality												
Reduce consequences Properties e.g. Property Flood Resilience)	Hotspot 1 - Preston Park Hotspot 2 - The Lanes Hotspot 3 - Peacehaven	PO1- Internal Flooding	BRIG.RC04.1	Property Flood Mitigation / Resistance	Short-term property level protection ahead of flood alleviation scheme.	No						Risk and uncertainty - future resilience
Study/ investigation to gather more data	Hotspot 4 - Hove Hotspot 5 - Brighton City Centre Hotspot 6 - Kemp Town Hotspot 7 - Preston Park Hotspot 8 - Hanover	PO1- Internal Flooding	BRIG.OT01.1	Investigation into causes	Further investigation to identify the cause of the internal flooding incident.	No						Cost Effective
Study/ investigation to gather more data	Falmer- Goldstone (Priority Catchment)- Lewes Road (Priority Catchment)- Patcham- Surrenden (Priority Catchment)- Balsdean- Housedean- Newmarket (B,C and D)-	PO12- Ground Water Pollution	BRIG.OT01.2	Study and Investigations	Total length of sewer within protection zones- 421.	No						Cost Effective
Study/ investigation to gather more data	MARINE DRIVE BRIGHTON WPS	PO5 Storm Overflow	BRIG.OT01.3	Storage	Storage.	Yes	Yes	Yes	Minor Positive +	£1.000K	Yes	Best Value
Study/ investigation to gather more data	Catchment Wide	PO4- 1 in 50 year PO5- Storm Overflow	BRIG.OT01.4		Improve Hydraulic Model.	Yes	Yes	Yes	Minor Positive +	£800K	Yes	Best Value