

Cottam Solar Project

Environmental Statement Appendix 13.8: Cultural Heritage Impact Assessment Tables

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Table App.13.8-1:

Scheduled Monuments – Construction Phase Impact Assessment

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation	Significance of effects (without & with mitigation)
Site of a college and Benedictine Abbey, St Mary's Church (NHLE 1012976)	A	High	Minor or Moderate Adverse	P, Ir	LL	Moderate or Large Adverse
						Neutral
Deserted village of Dunstall (NHLE 1004996)	D	High	Negligible	St, R	KK (not yet effective)	Slight Adverse
						Slight Adverse
Roman villa west of Scampton Cliff Farm (NHLE 1005041)	D	High	Negligible	St, R	KK (not yet effective)	Slight Adverse
						Slight Adverse
Southorpe medieval settlement (NHLE 1016794)	D	High	Negligible	St, R	KK (not yet effective)	Slight Adverse
						Slight Adverse
Gilby medieval settlement (NHLE 1016795)	D	High	Negligible	St, R	KK (not yet effective)	Slight Adverse
						Slight Adverse
Coates medieval settlement and moated site (NHLE 1016979)	D	High	Negligible	St, R	KK (not yet effective)	Slight Adverse
						Slight Adverse
Thorpe medieval	D	High	Moderate	Mt, R	KK	Moderate Adverse

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation	Significance of effects (without & with mitigation)
settlement (NHLE 1016978)					(not yet effective)	Moderate Adverse

Table App.13.8-2:

Construction Phase Impact Assessment - Non-Designated Archaeological Remains

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation (with WSI ref. code)	Significance of effects (without & with mitigation)
AR01 (Thorpe le Fallows SMV)	G/F (negative evaluation)	High	No change	N/A	BB (C1d/03)	Neutral
AR02 (AP feature)	F (negative evaluation)	Negligible	No change	N/A	AA	Neutral
AR03 (Levelled R&F)	A	Negligible-Low	Negligible Adverse	P, Ir	AA	Neutral
AR04 Levelled R&F)	A	Negligible-Low	Negligible Adverse	P, Ir	AA	Neutral
AR05 (Levelled R&F)	A	Negligible-Low	Negligible Adverse	P, Ir	AA	Neutral
AR06 (The Grange placename)	F (placename)	N/A	No change	N/A	AA	Neutral
AR07 (IA/RB settlement)	A	Medium	Negligible to Minor adverse	Lt, R	CC1 (C1d/01 C1d/02)	Slight Adverse
						Neutral
AR08 (Stone ford)	A	Low	No change	N/A	BB	Neutral
AR09 (Site of demolished farmstead)	E	Low	No change	N/A	AA	Neutral
AR10 (Site of demolished farmstead)	B	Low	Minor Adverse	P, Ir	EE	Slight Adverse
						Slight Adverse
AR11 (IA/RB settlement)	Largely G, but some A	Medium	Negligible adverse	P, Ir	GG (C1e/01)	Slight Adverse
						Neutral
AR12 (possible ditch cut by ridge and furrow)	A	Unknown (Negligible to Low)	No change or Negligible adverse	P, Ir	AA	Neutral

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation (with WSI ref. code)	Significance of effects (without & with mitigation)
AR13 (Levelled R&F)	A	Negligible-Low	Negligible Adverse	P, Ir	AA	Neutral
AR14 (Possible ditch and enclosure)	B	Unknown (Negligible to Medium)	No change or Minor Adverse	P, Ir	DD (CR/05)	Neutral or Slight Adverse
						Neutral or Slight Adverse
AR15 (IA/RB or medieval features)	A	Medium	Negligible to Minor adverse	P, Ir	BB (C1f/01)	Neutral
AR16 (Cropmark of hollow way)	A	Medium	Negligible to Minor adverse	P, Ir	BB (C1f/01)	Neutral
AR17 (Silver penny)	F (findspot)	N/A	No change	N/A	AA	Neutral
AR18 (Normanby by Stow SMV)	A, B	Medium	No change Negligible Adverse	N/A	BB (C1f/01) DD (CrC/04)	Neutral + Slight Adverse
AR19 (Early med. pot)	F (findspot)	N/A	No change	N/A	AA	Neutral
AR20 (RB pot)	F (findspot)	N/A	No change	N/A	AA	Neutral
AR21 (R&F earthworks)	B	Low	Negligible Adverse	P, Ir	JJ	Neutral
AR22 (RB settlement)	A	Medium	Negligible to Minor adverse	P, Ir	CC1 (C1g/01) DD/EE (CBatt/01 &02)	Slight Adverse
						Slight Adverse
AR22a (undated possible kiln)	A	Low to Medium	Major Adverse	P, Ir	DD (CBatt/03)	Slight to Large Adverse
						Slight to Large Adverse

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation (with WSI ref. code)	Significance of effects (without & with mitigation)
AR23 (RB settlement)	A	Medium	Negligible to Minor adverse	P, Ir	CC1 (C1g/02)	Slight Adverse
						Neutral
AR24 (RB settlement & Anglo-Saxon cemetery)	A	Medium - High	Negligible to Minor adverse	P, Ir	FF, CC1 (C1g/03)	Slight Adverse
						Large Adverse
AR25 (possible ditch)	A	Uncertain (Negligible-Medium?)	No change or Negligible Adverse	P, Ir	GG (C1c/03)	Neutral or Negligible Adverse
						Negligible Beneficial
AR26 (possible ditch)	A	Uncertain (Negligible-Medium)	No change or Negligible Adverse	P, Ir	GG (C1c/02)	Neutral
AR27 (post-med. Drainage ditches)	A	Negligible	Negligible Adverse	P, Ir	AA	Neutral
AR28 (RB settlement)	A	Medium	Negligible to Minor adverse	P, Ir	CC1 (C1c/01)	Slight Adverse
						Neutral
AR29 (poss. Med. Precursor to farm)	F (placename)	N/A	No change	N/A	AA	Neutral
AR30 (possible levelled earthworks)	F (negative evaluation results)	N/A	No change	N/A	AA	Neutral
AR31 (IA/RB settlement)	A	Medium	Negligible Adverse	P, Ir	BB (C1c/04)	Neutral
AR32 (Possible ditches)	B	Uncertain (Negligible)	No change or Minor Adverse	P, Ir	DD CRC/03)	Neutral or Slight Adverse

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation (with WSI ref. code)	Significance of effects (without & with mitigation)
		to Medium)				Neutral or Slight Adverse
AR33 (Possible IA/RB – med settlement?)	B	Uncertain (Negligible to Medium)	No change or Minor Adverse	P, Ir	DD (CRC/02)	Neutral or Slight Adverse
						Neutral or Slight Adverse
AR34 (R&F earthworks)	A	Low	Negligible adverse	P, Ir	AA	Neutral
AR35 (IA/RB settlement?)	A	Uncertain (Negligible to Medium)	No change or Negligible Adverse	P, Ir	GG (C2/06)	Neutral or Slight Adverse
						Neutral
AR36 (levelled R&F)	A	Negligible-Low	Negligible Adverse	P, Ir	AA	Neutral
AR37 (IA/RB settlement)	A	Medium	Negligible to Minor adverse	P, Ir	CC1 (C2/05)	Slight Adverse
						Neutral
AR38 (IA/RB settlement)	A	Medium	Negligible to Minor adverse	P, Ir	CC1 (C2/04)	Slight Adverse
						Neutral
AR39 (uncertain cropmarks)	F	N/A	No change	N/A	AA	Neutral
AR40 (Roman coin)	F (findspot)	N/A	No change	N/A	AA	Neutral
AR41 (possible ring ditch)	A	Uncertain (Negligible to Medium)	No change or Negligible Adverse	P, Ir	GG (C2/03)	Neutral or Slight Adverse
						Neutral
AR42 (possible)	A	Uncertain (Negligible	No change or Negligible	P, Ir	GG (C2/02)	Neutral or Slight Adverse

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation (with WSI ref. code)	Significance of effects (without & with mitigation)
IA/RB settlement)		to Medium)	to Minor adverse			Neutral
AR43 (uncertain ditch)	A	Uncertain (Negligible to Low)	No change or Negligible to Minor adverse	P, Ir	GG (C2/01)	Neutral or Slight Adverse Neutral
AR44 (uncertain ditch)	B	Uncertain (Negligible to Medium)	No change or Negligible to Minor adverse	P, Ir	DD (CRC/01)	Neutral or Slight Adverse Neutral or Slight Adverse
AR45 (IA/RB settlement)	A	Medium	Negligible to Minor adverse	P, Ir	CC1 (C3b/03) GG (C3b/04)	Slight Adverse Neutral
AR46 (IA/RB settlement)	A	Medium	Negligible to Minor adverse	P, Ir	GG (C3b/02) CC1 (C3b/03)	Slight Adverse Neutral
AR47 (uncertain ditches)	A	Uncertain (Negligible or Medium)	No change or Negligible to Minor adverse	P, Ir	GG (C3b/01)	Neutral or Slight Adverse Neutral
AR48 (IA/RB settlement?)	A	Medium	Negligible to Minor adverse	P, Ir	GG (C3a/07)	Slight Adverse Neutral
AR49 (site of Blyton Field)	A	Low	Negligible to Minor adverse	P, Ir	GG (C3a/07)	Slight Adverse Neutral
AR50 (possible ring ditch)	A	Uncertain (Negligible or Medium)	No change or Negligible to Minor adverse	P, Ir	GG (C3a/03)	Neutral or Slight Adverse Neutral

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation (with WSI ref. code)	Significance of effects (without & with mitigation)
AR51 (R&F earthworks)	A	Low	Negligible Adverse	P, Ir	AA	Neutral
AR52 (possible field system)	A	Uncertain (Negligible or medium)	Negligible to Minor adverse	P, Ir	GG (C3a/04)	Neutral or Slight Adverse
						Neutral
AR53 (IA/RB settlement)	E	Medium	No change	N/A	BB (C3a/06)	Neutral
AR54 (IA/RB settlement)	A	Medium	Negligible to Minor adverse	P, Ir	CC1 (C3a/05)	Slight Adverse
						Neutral
AR55 (IA/RB settlement)	A	Medium	Negligible to Minor adverse	P, Ir	CC1(C3a/01)	Slight Adverse
						Neutral
AR56 (IA/RB settlement)	A	Medium	Negligible to Minor adverse	P, Ir	CC1 (C3a/02)	Slight Adverse
						Neutral
AR57 (RAF Blyton)	A	Low	Negligible Adverse	P, Ir	AA	Neutral
AR58 (levelled R&F)	B	Negligible-Low	Negligible Adverse	P, Ir	AA	Neutral
AR59 (IA/RB settlement)	B	Medium	Minor Adverse	P, Ir	DD (CRC/06)	Slight Adverse
						Slight Adverse
AR60 (Roman road)	G	Medium	No change	N/A	AA	Neutral
AR61 (Post-medieval and RB ditches)	B	Negligible-Low	No change or Negligible Adverse	P, Ir	AA	Neutral or Slight Adverse
AR62 (RB settlement)	B (or G?)	Medium	No change or Negligible Adverse	P, Ir	DD (CRC07)	Neutral or Slight Adverse
AR63 (RB trackway)	B	Medium		P, Ir	DD (CRC08)	Slight Adverse

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation (with WSI ref. code)	Significance of effects (without & with mitigation)
			No change or Minor Adverse			Neutral or Slight Adverse
AR64 (post-med flood defences)	B	Low	Minor Adverse	P, Ir	EE, HH (CRC/09)	Slight Adverse
						Neutral
AR65 (Torksey Viking camp)	B	Medium	No change or up to Minor Adverse	N/A	DD (CRC/10) CRC/11)	Neutral or Slight Adverse
AR66 (River Trent navigation)	B	Low	No change	N/A	N/A	Neutral
AR67 (rectilinear enclosure?)	B	N/A or Medium	No change - Major Adverse	P, Ir	DD (CRC/12)	Neutral to Large Adverse
						Neutral to Large Adverse
AR68 (possible pits and hollow)	B	N/A or Medium	No change - Major Adverse	P, Ir	DD (CRC/12)	Neutral to Large Adverse
						Neutral to Large Adverse
AR69 (possible IA/RB settlement)	B	Medium	Minor – Moderate Adverse	P, Ir	DD (CRC/12)	Slight to Moderate Adverse
						Slight to Moderate Adverse
AR70 (IA/RB field system)	B	Medium	Minor – Moderate Adverse	P, Ir	DD (CRC/12)	Slight to Moderate Adverse
						Slight to Moderate Adverse

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation (with WSI ref. code)	Significance of effects (without & with mitigation)
AR71 (RB field system)	B	Medium	Minor – Moderate Adverse	P, Ir	CC2 (CRC13) DD (CRC/12)	Slight to Moderate Adverse
						Slight to Moderate Adverse
AR72 (RB trackway)	B	Medium	Minor – Moderate Adverse	P, Ir	DD (CRC/14)	Slight to Moderate Adverse
						Slight to Moderate Adverse
AR73 (RB settlement)	B	Negligible or Medium	Minor – Moderate Adverse	P, Ir	EE	Neutral to Moderate Adverse
						Neutral to Moderate Adverse
AR74 (possible RB ditches)	B	Medium	Minor – Moderate Adverse	P, Ir	DD	Slight to Moderate Adverse
						Slight to Moderate Adverse
AR75 (possible IA/RB ditches)	B	Low or Medium	Minor – Moderate Adverse	P, Ir	EE	Slight to Moderate Adverse
						Slight to Moderate Adverse

Table App.13.8-3:

Construction Phase Impact Assessment - Listed Buildings

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation	Significance of effects (without & with mitigation)
Glentworth Hall (NHLE 1063348)	D	High	Minor Adverse	Lt, R	KK (not yet effective)	Slight Adverse
Fillingham Castle (NHLE 1166045)	D	High	Minor Adverse	Lt, R	KK (not yet effective)	Slight Adverse
Former stables at Glentworth Hall (NHLE 1166094)	D	Medium	Minor Adverse	Lt, R	KK (not yet effective)	Slight Adverse
Thorpe in the Fallows Farmhouse (NHLE 1308921)	D	Medium	Negligible Adverse	Lt, R	KK (not yet effective)	Slight Adverse
Mount Pleasant Farmhouse east of Laughton (NHLE 1317186)	D	Medium	Negligible Adverse	Lt, R	KK (not yet effective)	Slight Adverse
Corringham Windmill (NHLE 1359417)	D	Medium	Negligible Adverse	Lt, R	KK (not yet effective)	Slight Adverse
The Old Railway Station at Blyton (NHLE 135954)	D	Medium	No Change	N/A	N/A	Neutral

Table App.13.8-4:

Construction Phase Impact Assessment – Non-Designated Historic Buildings

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation	Significance of effects (without & with mitigation)
HB1: Thorpe le Fallows Farm, Thorpe in the Fallows	D	Negligible	Negligible Adverse	St, R	KK (not yet effective)	Neutral
HB2: Clandon House, Thorpe in the Fallows	D	Negligible	Minor Adverse	St, R	KK (not yet effective)	Neutral
HB3: The Grange, Thorpe in the Fallows	D	Negligible	Major Adverse	St, R	KK (not yet effective)	Slight Adverse
HB4: Stow Pasture, Stow	D	Low	Negligible Adverse	St, R	KK (not yet effective)	Neutral
HB5: The Pastures, Stow	D	Low	Negligible Adverse	St, R	KK (not yet effective)	Neutral
HB6: Cold Harbour, Cammeringham	D	Negligible	Major Adverse	St, R	KK (not yet effective)	Slight Adverse
HB7: Blackthorn Hill, Cammeringham	D	Negligible	Major Adverse	St, R	KK (not yet effective)	Slight Adverse
HB8: West Farm, Stow	D	Low	Negligible Adverse	St, R	KK (not yet effective)	Neutral
HB9: East Farm Stow	D	Low	Negligible Adverse	St, R	KK (not yet effective)	Neutral
HB10: Lowfield Farm, Willingham	D	Negligible	Negligible Adverse	St, R	KK (not yet effective)	Neutral
HB11: Turpin Farm, Fillingham	D	Low	Major Adverse	St, R	KK (not yet effective)	Slight Adverse

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation	Significance of effects (without & with mitigation)
HB12: Side Farm, Fillingham	D	Negligible	Major Adverse	St, R	KK (not yet effective)	Slight Adverse
HB13: North Farm, Fillingham	D	Negligible	Moderate Adverse	St, R	KK (not yet effective)	Neutral
HB14: Unnamed farmstead, Fillingham	D	Negligible	Moderate Adverse	St, R	KK (not yet effective)	Neutral
HB15: Glebe Farm (Rectory Farm), Fillingham	D	Low	Moderate Adverse	St, R	KK (not yet effective)	Slight Adverse
HB16: Fillingham Grange, Fillingham	D	Negligible	Minor Adverse	St, R	KK (not yet effective)	Neutral
HB17: Unnamed farmstead, Fillingham	D	Low	Minor Adverse	St, R	KK (not yet effective)	Neutral
HB18: Corringham Grange Farm, Corringham	D	Low	Major Adverse	St, R	KK (not yet effective)	Slight Adverse
HB19: Glebe Farm, Blyton	D	Low	Minor Adverse	St, R	KK (not yet effective)	Neutral
HB20: Top Farm (Blyton Top), Blyton	D	Negligible	Minor Adverse	St, R	KK (not yet effective)	Neutral
HB21: Grange Farm, Blyton	D	Negligible	Minor Adverse	St, R	KK (not yet effective)	Neutral
HB22: Blyton Grange, Blyton	D	Low	Major Adverse	St, R	KK (not yet effective)	Slight Adverse

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation	Significance of effects (without & with mitigation)
HB23: Cold Harbour, Laughton	D	Negligible	Major Adverse	St, R	KK (not yet effective)	Slight Adverse

Table App.13.8-5:

Construction Phase Impact Assessment – Non-Designated Historic Landscape

HLC ID	Type/Value	Description of Impact	Magnitude of change	Nature of impact	Significance of Effects
Cottam 1					
HLI145	Modern Fields/ Negligible	Temporary construction compound occupying <2% of HLC unit	Negligible Adverse	St, R	Neutral
HLI156	Parliamentary Planned Enclosure/Medium	Temporary construction compound occupying c.30% of HLC unit	Minor Adverse	St, R	Slight Adverse
HLI20658	Modern Fields/ Negligible	Temporary construction compound occupying <3% of HLC unit	Negligible Adverse	St, R	Neutral
HLI20662	Modern Fields/ Negligible	Temporary construction compound occupying c.20% of HLC unit	Minor Adverse	St, R	Slight Adverse
HLI20729	Parliamentary Planned Enclosure/Medium	Temporary construction compound occupying c.10% of HLC unit	Negligible Adverse	St, R	Slight Adverse
HLI20674	Ancient Fields/High	Potential requirement for abnormal load access across NW corner of HLC unit, requiring possible hedgerow removal and use of ground protection matting	Negligible adverse	St, R	Slight Adverse
HLI21000	Ancient Fields/High	Temporary construction compound occupying <3% of HLC unit	Negligible Adverse	St, R	Slight Adverse
Cable Route Corridor Cottam 1 – Cottam 2					
HLI19399	Modern Fields/ Negligible	Temporary laydown area.	Negligible Adverse	St, R	Neutral
HLI19442	Modern Fields/ Negligible	Three cuttings through 'historically important hedgerows' (HIHs), one on parish boundary	Negligible Adverse	St, R	Neutral
HLI20478	Parliamentary Planned Enclosure/ Medium	Temporary laydown area Three cuttings through HIHs, two on parish boundaries	Negligible Adverse	St, R	Slight Adverse

HLC ID	Type/Value	Description of Impact	Magnitude of change	Nature of impact	Significance of Effects
HLI20469	Modern Fields/ Low	Two cuttings through HIHs, one on parish boundary.	Negligible Adverse	St, R	Neutral
HLI20476	Parliamentary Planned Enclosure/ Medium	Temporary laydown area. Three cuttings through HIHs, one on parish boundary.	Negligible Adverse	St, R	Slight Adverse
HLI20471	Modern Fields/Low	Five cuttings through HIHs, one on parish boundary.	Negligible Adverse	St, R	Neutral
HLI20483	Modern Fields/ Negligible	Temporary laydown area.	Negligible Adverse	St, R	Neutral
HLI20452	Modern Fields/ Low	Temporary laydown area.	Negligible Adverse	St, R	Neutral
HLI20448	Parliamentary Planned Enclosure/ Medium	Two temporary laydown areas.	Negligible Adverse	St, R	Slight Adverse
HLI19288	Parliamentary Planned Enclosure/ Medium	No change	No Change	St, R	Neutral
HLI19284	Modern Fields/ Low	One cutting through HIH on parish boundary	Negligible Adverse	St, R	Neutral
Cottam 2					
HLI19277	Parliamentary Planned Enclosure/ Medium	Temporary construction compound occupying c.2% of HLC unit	Negligible Adverse	St, R	Slight Adverse
HLI19283	Modern Fields/ Low	Temporary construction compound occupying <5% of HLC unit	Negligible Adverse	St, R	Neutral
Cable Route Corridor Cottam 2 – Cottam 3b					
HLI19275	Parliamentary Planned Enclosure/Medium	Temporary laydown area. One cutting through HIH	Negligible Adverse	St, R	Slight Adverse
HLI19298	Modern Fields/ Negligible	Temporary laydown area One cutting through HIH on parish boundary.	Negligible Adverse	St, R	Neutral

HLC ID	Type/Value	Description of Impact	Magnitude of change	Nature of impact	Significance of Effects
HLI19242	Private Planned Enclosure/Medium	Two cuttings through HIHs, one on parish boundary.	Negligible Adverse	St, R	Neutral
HLI19153	Modern Fields/Low	Two cuttings through HIHs	Negligible Adverse	St, R	Neutral
HLI19241	Private Planned Enclosure/Medium	Two cuttings through HIHs	Negligible Adverse	St, R	Neutral
HLI19233	Modern Fields/Low	Three cuttings through HIHs	Negligible Adverse	St, R	Neutral
HLI19204	Modern Fields/Negligible	Temporary laydown area.	No Change	St, R	Neutral
Cottam 3b					
HLI18970	Private Planned Enclosure/Medium	Temporary construction compound occupying <5% of HLC unit	Negligible Adverse	St, R	Slight Adverse
Cable Route Corridor Cottam 3b – Cottam 3a					
HLI18968	Modern Fields/Negligible	No change	No Change	St, R	Neutral
HLI18960	Parliamentary Planned Enclosure/Medium	Temporary laydown area.	No Change	St, R	Neutral
Cottam 3b					
HLI18742	Military Airfield/Medium	Temporary construction compound occupying <2% of HLC unit	Negligible Adverse	St, R	Slight Adverse
Cable Route Corridor Cottam 1g – Cottam 1f					
HLI20695	Modern Fields/Low	Temporary laydown area One cutting through HIH	Negligible Adverse	St, R	Slight Adverse
HLI20664	Modern Fields/Low	One cutting through HIH on parish boundary.	Negligible Adverse	St, R	Neutral
Cable Route Corridor Cottam 1f – Cottam Power Station					
HLI20832	Isolated Farmstead/Medium	No change	No Change	St, R	Neutral
HLI20831	Isolated Farmstead/Medium	No change	No Change	St, R	Neutral
HLI20833	Modern Fields/Low	Temporary laydown area	Negligible Adverse	St, R	Slight Adverse

HLC ID	Type/Value	Description of Impact	Magnitude of change	Nature of impact	Significance of Effects
		One cutting through HIH			
HLI20749	Modern Fields/Low	Temporary laydown area Three extant gaps through HIHs can be used.	Negligible Adverse	St, R	Slight Adverse
HLI20734	Modern Fields/Low	No change - two extant gaps through HIHs can be used	No Change	St, R	Neutral
HLI20735	Modern Fields/Negligible	No change - two extant gaps through HIHs can be used	No Change	St, R	Neutral
HLI20740	Modern Fields/Negligible	Temporary laydown area One cutting through HIH on parish boundary.	Negligible Adverse	St, R	Neutral
HLI20856	Modern Fields/Negligible	Two cuttings through HIHs, one on parish boundary.	Negligible Adverse	St, R	Neutral
HLI20850	Modern Fields/Negligible	One cutting through HIH	Negligible Adverse	St, R	Neutral
HLI20851	Modern Fields/Negligible	One cutting through HIH	Negligible Adverse	St, R	Neutral
Cable Route Corridor Cottam 1f – Cottam Power Station (shared cable route)					
HLI20845	Modern Fields/Negligible	Temporary haul roads and fencing Temporary laydown area Two cuttings through HIHs	Minor Adverse	St, R	Option 1: Neutral Option 2: Slight Adverse
HLI20860	Parliamentary Planned Enclosure/Medium	No change	No Change	N/A	Both options: Neutral
HLI20848	Modern Fields/Low	Temporary haul roads and fencing Three cuttings through HIHs	Minor Adverse	St, R	Option 1: Neutral Option 2: Slight Adverse
HLI20859	Parliamentary Planned Enclosure/Medium	Temporary haul roads and fencing One cutting through HIH	Negligible Adverse	St, R	Option 1: Neutral Option 2:

HLC ID	Type/Value	Description of Impact	Magnitude of change	Nature of impact	Significance of Effects
					Slight Adverse
HLI20862	Ancient Enclosure/High	No change (extant access route)	No Change	N/A	Both options: Neutral
HLI20881	Parliamentary Planned Enclosure/Medium	No change (extant access route)	No Change	N/A	Both options: Neutral
HLI20861	Modern Fields/Low	Temporary haul roads and fencing Three cuttings through HIHs	Minor Adverse	St, R	Option 1: Neutral Option 2: Slight Adverse
HLI20951	Modern Fields/Low	Temporary haul roads and fencing	Minor Adverse	St, R	Option 1: Neutral Option 2: Slight Adverse
HLI20892	Parliamentary Planned Enclosure/Medium	Temporary haul roads and fencing HDD launch pit and temporary hardstanding	Minor Adverse	St, R	Option 1: Neutral Option 2: Slight Adverse
REGGEO	Regularly Laid Out Large Geometric Field Patterns/ Medium	Temporary haul roads and fencing HDD reception pit and temporary hardstanding One cutting through HIH	Minor Adverse	St, R	Option 1: Neutral Option 2: Slight Adverse
REGGEO	Regularly Laid Out Large Geometric Field Patterns/ Medium	Temporary haul roads and fencing Three cuttings through HIHs	Minor Adverse	St, R	Both options: Slight Adverse
DESTROY	Modern Modified Field Patterns/Low	Construction compound. Temporary haul roads and fencing Two cuttings through HIHs	Minor Adverse	St, R	Option 1: Neutral Option 2: Slight Adverse
IREGGEO	Irregular Geometric Field Patterns/ Medium	Temporary haul roads and fencing. Three cuttings through HIHs	Minor Adverse	St, R	Option 1: Neutral Option 2:

HLC ID	Type/Value	Description of Impact	Magnitude of change	Nature of impact	Significance of Effects
					Slight Adverse
REFLOF	Field Patterns Reflective of Open Fields/High	Construction compound Temporary haul roads and fencing.	Minor Adverse	St, R	Both options: Slight Adverse
SEMIREG	Semi-Regular Field Patterns/ Medium-High	Temporary haul roads and fencing One cutting through HH	Minor Adverse	St, R	Both options: Slight Adverse
DESTROY	Modern Modified Field Patterns/ Negligible	Temporary haul roads and fencing.	Minor Adverse	St, R	Option 1: Neutral Option 2: Slight Adverse
DESTROY	Modern Modified Field Patterns/ Negligible	Temporary haul roads and fencing.	Minor Adverse	St, R	Option 1: Neutral Option 2: Slight Adverse

Table App.13.8-6:

Operational Phase Impact Assessment - Scheduled Monuments

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation	Significance of effects (without & with mitigation)
Deserted village of Dunstall (NHLE 1004996)	E	High	Negligible	Lt, R	KK	Slight Adverse
						Slight Adverse
Roman villa west of Scampton Cliff Farm (NHLE 1005041)	E	High	Negligible	Lt, R	KK	Slight Adverse
						Slight Adverse
Southorpe medieval settlement (NHLE 1016794)	E	High	Negligible	Lt, R	KK	Slight Adverse
						Slight Adverse
Gilby medieval settlement (NHLE 1016795)	E	High	Negligible	Lt, R	KK	Slight Adverse
						Neutral (by Year 15)
Coates medieval settlement and moated site (NHLE 1016979)	E	High	Negligible	Lt, R	KK	Slight Adverse
						Neutral (by Year 15)
Thorpe medieval settlement (NHLE 1016978)	E	High	Moderate	Lt, R	KK	Moderate Adverse

Table App.13.8-7:

Operational Phase Impact Assessment - Non-Designated Archaeological Remains

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation (with WSI ref. code)	Significance of effects (without & with mitigation)
AR07 (IA/RB settlement)	C	Medium	Negligible to Major beneficial	Lt, R	CC (C1d/01 C1d/02)	Slight to Large Beneficial
AR11 (IA/RB settlement)	C	Medium	Negligible to Minor beneficial	Lt, R	GG/CC (Cd1/03)	Slight Beneficial
AR22 (RB settlement)	C	Medium	Negligible to Minor beneficial	Lt, R	CC (C1g/01 CBatt/01 &02)	Neutral to Slight Beneficial
AR23 (RB settlement)	C	Medium	Negligible to Major beneficial	Lt, R	CC (C1g/02)	Slight to Large Beneficial
AR24 (RB settlement & Anglo-Saxon cemetery)	C	Medium - High	Major beneficial	Lt, R & P, Ir	FF & CC (C1g/03)	Slight to Large Beneficial
AR25 (possible ditch)	C	Uncertain (Negligible-Medium)	No change or Negligible to Major Beneficial	Lt, R	GG (C1c/03)	Neutral or Slight to Large Beneficial
AR26 (possible ditch)	A	Uncertain (Negligible-Medium?)	No change or Negligible Beneficial to Major Beneficial	Lt, R	GG (C1c/02)	Neutral or Slight to Large Beneficial
AR28 (RB settlement)	A	Medium	Negligible to Minor beneficial	Lt, R	CC (C1c/01)	Slight to Large Beneficial
AR31 (IA/RB settlement)	A	Medium	No change	Lt, R	BB (C1c/04)	Neutral
AR35 (IA/RB settlement?)	A	Uncertain (Negligible to Medium?)	No change or Negligible Beneficial to Major Beneficial	Lt, R	GG (C2/06)	Neutral or Slight to Large Beneficial

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation (with WSI ref. code)	Significance of effects (without & with mitigation)
AR37 (IA/RB settlement)	A	Medium	Negligible to Minor beneficial	Lt, R	CC (C2/05)	Slight to Large Beneficial
AR38 (IA/RB settlement)	A	Medium	Negligible to Minor beneficial	Lt, R	CC (C2/04)	Slight to Large Beneficial
AR41 (possible ring ditch)	A	Uncertain (Negligible to Medium?)	No change or Negligible Beneficial to Major Beneficial	Lt, R	GG (C2/03)	Neutral or Slight to Large Beneficial
AR42 (possible IA/RB settlement)	A	Uncertain (Negligible to Medium?)	No change or Negligible Beneficial to Major Beneficial	Lt, R	GG (C2/02)	Neutral or Slight to Large Beneficial
AR43 (uncertain ditch)	A	Uncertain (Negligible to Low?)	No change or Negligible Beneficial to Major Beneficial	Lt, R	GG (C2/01)	Neutral or Slight to Moderate Beneficial
AR45 (IA/RB settlement)	A	Medium	Negligible to Major beneficial	Lt, R	CC (C3b/03) GG (C3b/05)	Slight to Large Beneficial
AR46 (IA/RB settlement)	A	Medium	Negligible to Major beneficial	Lt, R	GG (C3b/02) CC (C3b/03)	Slight to Large Beneficial
AR47 (uncertain ditches)	A	Uncertain (Negligible or Medium?)	No change or Negligible Beneficial to Major Beneficial	Lt, R	GG (C3b/01)	Neutral or Slight to Large Beneficial

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation (with WSI ref. code)	Significance of effects (without & with mitigation)
AR48 (IA/RB settlement?)	A	Medium	Negligible to Major beneficial	Lt, R	GG (C3a/07)	Slight to Large Beneficial
AR49 (site of Blyton Field)	A	Low	Negligible to Major beneficial	Lt, R	GG (C3a/07)	Slight to Moderate Beneficial
AR50 (possible ring ditch)	A	Uncertain (Negligible or Medium?)	No change or Negligible Beneficial to Major Beneficial	Lt, R	GG (C3a/03)	Neutral or Slight to Large Beneficial
AR52 (possible field system)	A	Uncertain (Negligible or medium?)	No change or Negligible Beneficial to Major Beneficial	Lt, R	GG (C3a/04)	Neutral or Slight to Large Beneficial
AR54 (IA/RB settlement)	A	Medium	Negligible to Major beneficial	Lt, R	CC (C3a/05)	Slight to Large Beneficial
AR55 (IA/RB settlement)	A	Medium	Negligible to Major beneficial	Lt, R	CC (C3a/01)	Slight to Large Beneficial
AR56 (IA/RB settlement)	A	Medium	Negligible to Major beneficial	Lt, R	CC (C3a/02)	Slight to Large Beneficial

Table App.13.8-8:

Operational Phase Impact Assessment - Listed Buildings

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation	Significance of effects (without & with mitigation)
Glentworth Hall (NHLE 1063348)	E	High	Minor Adverse	Lt, R	KK	Slight Adverse
						Slight Adverse
Fillingham Castle (NHLE 1166045)	E	High	Minor Adverse	Lt, R	KK	Slight Adverse
						Slight Adverse
Former stables at Glentworth Hall (NHLE 1166094)	E	Medium	Minor Adverse	Lt, R	KK	Slight Adverse
						Slight Adverse
Thorpe in the Fallows Farmhouse (NHLE 1308921)	E	Medium	Negligible Adverse	Lt, R	KK	Slight Adverse
						Neutral (after Year 15)
Mount Pleasant Farmhouse east of Laughton (NHLE 1317186)	E	Medium	Negligible Adverse	Lt, R	KK	Slight Adverse
						Neutral (after Year 15)
Corringham Windmill (NHLE 1359417)	E	Medium	Negligible Adverse	Lt, R	KK	Slight Adverse
						Neutral (after Year 15)
The Old Railway Station at Blyton (NHLE 135954)	E	Medium	No Change	N/A	N/A	Neutral
						Neutral

Table App.13.8-9:

Operational Phase Impact Assessment – Non-Designated Historic Buildings

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation	Significance of effects (without & with mitigation)
HB1: Thorpe le Fallows Farm, Thorpe in the Fallows	E	Negligible	Negligible Adverse	Lt, R	KK	Neutral
						Neutral
HB2: Clandon House, Thorpe in the Fallows	E	Negligible	Minor Adverse	Lt, R	KK	Slight Adverse
						Neutral
HB3: The Grange, Thorpe in the Fallows	E	Negligible	Major Adverse	Lt, R	KK	Slight Adverse
						Slight Adverse
HB4: Stow Pasture, Stow	E	Low	Negligible Adverse	Lt, R	KK	Slight Adverse
						Neutral
HB5: The Pastures, Stow	E	Low	Negligible Adverse	Lt, R	KK	Slight Adverse
						Neutral
HB6: Cold Harbour, Cammeringham	E	Negligible	Major Adverse	Lt, R	KK	Slight Adverse
						Slight Adverse
HB7: Blackthorn Hill, Cammeringham	E	Negligible	Major Adverse	Lt, R	KK	Slight Adverse
						Slight Adverse
HB8: West Farm, Stow	E	Low	Negligible Adverse	Lt, R	KK	Slight Adverse
						Slight Adverse
HB9: East Farm, Stow	E	Low	Negligible Adverse	Lt, R	KK	Slight Adverse
						Slight Adverse
HB10: Lowfield Farm, Willingham	E	Negligible	Negligible Adverse	Lt, R	KK	Neutral
						Neutral
HB11: Turpin Farm, Fillingham	E	Low	Major Adverse	Lt, R	KK	Moderate Adverse
						Moderate Adverse
	E	Negligible		Lt, R	KK	Slight Adverse

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation	Significance of effects (without & with mitigation)
HB12: Side Farm, Fillingham			Major Adverse			Slight Adverse
HB13: North Farm, Fillingham	E	Negligible	Moderate Adverse	Lt, R	KK	Slight Adverse
						Slight Adverse
HB14: Unnamed farmstead, Fillingham	E	Negligible	Moderate Adverse	Lt, R	KK	Slight Adverse
						Neutral
HB15: Glebe Farm (Rectory Farm), Fillingham	E	Low	Moderate Adverse	Lt, R	KK	Slight Adverse
						Neutral
HB16: Fillingham Grange, Fillingham	E	Negligible	Minor Adverse	Lt, R	KK	Slight Adverse
						Neutral
HB17: Unnamed farmstead, Fillingham	E	Low	Minor Adverse	Lt, R	KK	Slight Adverse
						Neutral
HB18: Corringham Grange Farm, Corringham	E	Low	Major Adverse	Lt, R	KK	Moderate Adverse
						Slight Adverse
HB19: Glebe Farm, Blyton	E	Low	Minor Adverse	Lt, R	KK	Slight Adverse
						Neutral
HB20: Top Farm (Blyton Top), Blyton	E	Negligible	Minor Adverse	Lt, R	KK	Slight Adverse
						Slight Adverse
HB21: Grange Farm, Blyton	E	Negligible	Minor Adverse	Lt, R	KK	Slight Adverse
						Slight Adverse
HB22: Blyton Grange, Blyton	E	Low	Major Adverse	Lt, R	KK	Moderate Adverse
						Slight Adverse
	E	Negligible		Lt, R	KK	Slight Adverse

Receptor	Impact code	Value of asset	Magnitude of change (without mitigation)	Nature of impact	Proposed mitigation	Significance of effects (without & with mitigation)
HB23: Cold Harbour, Laughton			Minor Adverse			Neutral

Table App.13.8-10:

Operational Phase Impact Assessment – Non-Designated Historic Landscape

HLC ID	Value	Description of Impact	Magnitude of change	Nature of impact	Significance of Effects
Cottam 1 HLC type: Ancient Enclosure					
HLI20674	High	Potential requirement for abnormal load access across NW corner of HLC unit, requiring possible hedgerow removal and use of ground protection matting	Negligible adverse	St, R	Slight Adverse
HLI20745	High	Temporary abnormal load access required along B1421 at Stow within this HLC unit	No change	St, R	Neutral
HLI20759	High	Solar panels proposed across c.90% of HLC unit	Major Adverse	Lt, R	Large Adverse
HLI20786	High	Solar panels proposed across c.25% of HLC unit	Minor Adverse	Lt, R	Moderate Adverse
HLI21000	High	Solar panel proposed across c.75% of HLC unit	Moderate Adverse	Lt, R	Large Adverse
HLI21001	High	Solar panels proposed across c.75% of HLC unit	Moderate Adverse	Lt, R	Moderate Adverse
Cottam 1 HLC type: Isolated Farmstead					
HLI20688	Medium	On temporary abnormal load route	No change	St, R	Neutral
HLI20771	Medium	Temporary construction access (along extant road) crosses this HLC unit	No Change	St, R	Neutral
Cottam 1 HLC type: Modern Fields					
HLI145	Negligible	Solar panels proposed across <50% of HLC unit	Minor Adverse	Lt, R	Slight Adverse
HLI146	Negligible	Solar panels proposed across c.80% of HLC unit	Moderate Adverse	Lt, R	Slight Adverse
HLI148	Negligible	Solar panels proposed across c.30% of HLC unit, and c.1.15km of cable	Minor Adverse	Lt, R (panels)	Slight Adverse

HLC ID	Value	Description of Impact	Magnitude of change	Nature of impact	Significance of Effects
		route, largely following extant trackway		St, R (cable)	
HLI20658	Negligible	Solar panels, battery storage and electrical sub-station proposed across c.60% of HLC unit	Moderate Adverse	Lt, R	Slight Adverse
HLI20659	Low	Solar panels proposed across whole HLC unit	Major Adverse	Lt, R	Slight Adverse
HLI20661	Negligible	Solar panels proposed across whole HLC unit	Major Adverse	Lt, R	Slight Adverse
HLI20662	Low	Solar panels proposed across c.80% of HLC unit, and c.100m of cable route extending beyond this area	Moderate Adverse	Lt, R (panels) St, R (cable)	Slight Adverse
HLI20663	Low	c.500m of cable route crosses this HLC unit	Negligible Adverse	St, R	Neutral
HLI20677	Low	On temporary abnormal load route	No change	St, R	Neutral
HLI20731	Low	The route of new permissive footpath crosses this HLC unit	No change	N/A	Neutral
HLI20732	Negligible	The route of new permissive footpath crosses this HLC unit	No change	N/A	Neutral
HLI20750	Low	Nothing proposed in this HLC unit	No change	N/A	Neutral
HLI20751	Low	Nothing proposed in this HLC unit	No change	N/A	Neutral
HLI20752	Low	Solar panels proposed across c.40% of HLC unit, and c.800m of cable route extending beyond this area	Minor Adverse	Lt, R (panels) St, R (cable)	Slight Adverse
HLI20753	Low	c.140m of cable route crosses this HLC unit	Negligible Adverse	St, R	Neutral
HLI20756	Negligible	Solar panels proposed across c.10% of HLC unit, and c.145m of cable route extending beyond this area	Negligible Adverse	Lt, R (panels) St, R (cable)	Neutral

HLC ID	Value	Description of Impact	Magnitude of change	Nature of impact	Significance of Effects
HLI20758	Low	Solar panels proposed across c.80% of HLC unit	Moderate Adverse	Lt, R	Slight Adverse
HLI20773	Low	A temporary access route along an extant trackway crosses this HLC unit	No Change	St, R	Neutral
HLI20774	Low	Solar panels proposed across whole HLC unit	Major Adverse	Lt, R	Slight Adverse
HLI20785	Low	c.1km of cable route crosses this HLC unit	Negligible Adverse	St, R	Negligible Adverse
HLI21002	Low	Solar panels proposed across c.75% of HLC unit	Moderate Adverse	Lt, R	Slight Adverse
HLI21026	Negligible	Solar panels proposed across c.40% of HLC unit	Minor Adverse	Lt, R	Slight Adverse
HLI108388	Negligible	Solar panels proposed across c.50% of HLC unit, and c.200m of cable route extending beyond this area	Moderate Adverse	Lt, R (panels) St, R (cable)	Slight Adverse
HLI108389	Negligible	Solar panels proposed across c.25% of HLC unit	Minor Adverse	Lt, R	Slight Adverse
Cottam 1 HLC type: Parliamentary Planned Enclosure					
HLI142	Medium	Solar panels proposed across c.30% of HLC unit	Minor Adverse	Lt, R	Slight Adverse
HLI144	Medium	Solar panels proposed across c.25% of HLC unit and c.270m of cable route extending beyond this area	Minor Adverse	Lt, R (panels) St, R (cable)	Slight Adverse
HLI156	Medium	Solar panels proposed across whole HLC unit	Major Adverse	Lt, R	Moderate Adverse
HLI20729	Medium	c.200m of cable route crosses this HLC unit	Negligible Adverse	St, R	Slight Adverse
HLI20736	Medium	The route of new permissive footpath crosses this HLC unit	No change	N/A	Neutral
HLI20757	Medium	Solar panels proposed across <50% of HLC unit	Minor Adverse	Lt, R	Slight Adverse
Cottam 1 HLC type: Plantation Woodland					

HLC ID	Value	Description of Impact	Magnitude of change	Nature of impact	Significance of Effects
HLI155	High	No development proposed within this HLC unit	No Change	N/A	Neutral
HLI20801	Negligible	No development proposed within this HLC unit	No Change	N/A	Neutral
HLI21008	High	No development proposed within this HLC unit	No Change	N/A	Neutral
Cottam 1 HLC type: Private Planned Enclosure					
HLI108394	Medium	Solar panels proposed across c.20% of HLC unit	Negligible Adverse	Lt, R	Slight Adverse
HLI108395	Medium	Solar panels proposed across c.40% of HLC unit	Minor Adverse	Lt, R	Slight Adverse
Cottam 2 HLC type: Ancient Enclosure					
HLI19285	High	Solar panels proposed across <20% of HLC unit	Negligible	St, R	Slight Adverse
Cottam 2 HLC type: Modern Fields					
HLI19281	Low	Solar panels proposed across whole HLC unit	Major Adverse	Lt, R	Slight Adverse
HLI19282	Low	Solar panels proposed across whole HLC unit	Major Adverse	Lt, R	Slight Adverse
HLI19283	Low	Solar panels proposed across >80% of HLC unit, as well as a substation compound	Major Adverse	Lt, R	Slight Adverse
Cottam 2 HLC type: Parliamentary Planned Enclosure					
HLI19276	Medium	Solar panels proposed across >80% of HLC unit	Major Adverse	Lt, R	Moderate Adverse
HLI19277	Medium	Solar panels proposed across <50% of HLC unit	Minor Adverse	Lt, R	Slight Adverse
HLI19316	Medium	Solar panels proposed across <20% of HLC unit	Negligible	St, R	Slight Adverse
Cottam 3a HLC type: Military Airfield					
HLI18742	Medium	Solar panels proposed across >50% of HLC unit	Moderate Adverse	Lt, R	Moderate Adverse

HLC ID	Value	Description of Impact	Magnitude of change	Nature of impact	Significance of Effects
Cottam 3a					
HLC type: Modern Fields					
HLI18937	Negligible	Solar panels proposed across c.60% of HLC unit	Moderate Adverse	Lt, R	Slight Adverse
HLI18961	Negligible	Solar panels proposed across c.40% of HLC unit	Minor Adverse	Lt, R	Slight Adverse
HLI18965	Low	Solar panels proposed across >80% of HLC unit	Moderate Adverse	Lt, R	Slight Adverse
Cottam 3b					
HLC type: Modern Fields					
HLI18969	Low	Solar panels proposed across whole HLC unit	Major Adverse	Lt, R	Slight Adverse
HLI19154	Low	Solar panels proposed across whole HLC unit (alongside sub-station compound)	Major Adverse	Lt, R	Slight Adverse
Cottam 3b					
HLC type: Parliamentary Planned Enclosure					
HLI1897	Medium	Solar panels proposed across <50% of HLC unit	Minor Adverse	Lt, R	Slight Adverse