## Energy Reduction Programme Phase 1 - Appendix 2 Risk Register

Project name:	Energy Reduc	ction Programme – F	Phase 1				
Unique project identifier:	12210						
Total est cost (exc risk)	£490089		. <del></del>				
					•	atrix score table	
M's overall risk rating	Medium			Minor impact So	erious impact	Major impact	Extreme impac
g risk pre-mitigation	10.3	Like	ly	4	8		32
g risk post-mitigation	4.7	Possi	ble	3	6	12	24
ed risks (open)	4	Unlike	ely	2	4	8	16
mber risks (open)	13	Rar	е	1	2	4	8
reen risks (open)	1			l .			
osted risks identified (All)		£126,298.50	26%	Costed risk as % o	of total estimate	ed cost of projec	rt .
osted risk pre-mitigation (	open)	£126,298.50	26%	" "			
osted risk post-mitigation	(open)	0.00£	0%	" "			
osted Risk Provision requ	` ' '	£0.00	0%	CRP as % of total	estimated cost	of project	
	•	Number of Ope	en Avg Score	Costed impact	Red	Amber	Green
(1) Compliance/F	Regulatory	0	0.0	£0.00	0	0	0
(2) Financial		8	8.6	£107,278.50	0	7	1
(3) Reputation		0	0.0	£0.00	0	0	0
(4) Contractual/P		3	9.3	£4,020.00	1	2	0
(5) H&S/Wellbeir	•	5	12.0	£15,000.00	2	3	0
(6) Safeguarding (7) Innovation		0	0.0	£0.00	0	0	0
(8) Technology		1	12.0	£0.00	0	1	0
(9) Environmenta	al	0	0.0	£0.00	0	0	0
(10) Physical		1	16.0	£0.00	1	0	0
				Extreme	Major	Serious	Minor
Issues (open)	)	Оре	en Issues	0	0	0	0
All Issues	)	A	All Issues	0	0	0	0
Cost to resolve all	£0.00	7	Total CRP us	ed to date	£0	0.00	

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City	of Lond	on: Projects Pr	ocedure Corporate	Risks Register																			
	P	roject Name:	Energy Reductio	n Programme – P	hase 1			PM's overall risk rating:	Medium		CRP requested this gateway	£	-	unmi	Average itigated risk			10.3			Open Risks	18	
Uı	nique pro	ject identifier:	12210				Total	l estimated cost (exc risk):	£	490,089	Total CRP used to	£	-		e mitigated risk score			4.7			Closed Risks	0	
en sk	eral risk cla: Gateway	sification Category	Description of the Risk	Risk Impact Description	Likelihood	Impact	Risk	Costed impact pre-	Costed Risk	Confidence in the	Mitigation actions Mitigating actions	Mitigation	Likelihood	i Impact	Costed	Post- C	CRP used	Use of CRP	Ownership Date	& Action Named	Risk owner	Date	Comment(s)
					Classification n pre- mitigation	Classificatio n pre- mitigation	score	miligation (£)	Provision requested Y/N	estimation		cost (£)	Classification post- mitigation	ion post-		Mitiga t tion risk score	o date		raised	Departmento Risk Manager/ Coordinator	Officer or External Party)	Closed OR/ Realised & moved to Issues	
	5	(10) Physical	Presence of asbestos containing material which requires management prior to surveys/works being undertaken	Additional project costs and time delays	Likely	Major	16	£0.00	N	C – Uncomfortable	Survey to reduce uncertainty (cost included in project budget), add in float time to account for potential delays. If this provision is insufficient then review impact on business case (and poyback) before considering whether to either descape to exclude a management cost to to request additional funding.	£0.0	D Likely	Minor	£0.00	4	£0.00	Management/remova of asbestos to allow safe installation of works.	17/01/20	City Surveyor's, Corporate Energy Team	Mark Donaldson		
	2	(2) Financial	Consulting Services Engineers costs higher than requested for at GW2 or additional surveys required	Insufficient technical review, leading to lower budget confidence in options appraisal and recommendation	Possible	Minor	3	£0.00	N	B – Fairly Confident	Good project and budget control	£0.0	D Rare	Minor	£0.00	1	£0.00	Commission additional technical surveys as advised by engineering consultants	17/01/20	City Surveyor's, Corporate Energy Team	Mark Donaldson		
	5	(2) Financial	Tender costs higher than anticipated budget cost	insufficient budget to deliver oil project scope and hence impact on business case	r Possible	Major	12	£103,078.50	N	C – Uncomfortable	Budget costs and risk provision to be refined to control to the refined through further maker testing and technical reviews. If cost higher than budget, reduce project scale (value project scale (value project scale (value project the budiers case significantly then on Issue Report will be roteed for decision on this or option decision on this or option project p	£68,719.0	D Possible	Major	£0.00	12	£0.00		17/01/20	City Surveyor's, Corporate Energy Team	Mark Donaldson		
	4	(2) Financial	Design costs higher than requested for at GW3/4	Unable to progress to tender on one or more projects.	Possible	Major	12	20.00	N	B – Fairly Confident	Included costed risk for GW4 which equates to 40% in addition to original estimated costs	£0.0	0 Possible	Minor	£0.00	3	£0.00	Commission additional design work as advised by Project Manager.	17/01/20	City Surveyor's, Corporate Energy Team	Mark Donaldson		
	6	(5) H&S/Wellbeing	Disruption to site services/operations during installation	Some level of disruption (Interruption to the operation of building assets being replaced) is invertible. The potential impact of the disruption is project specific. Could result in part or full building closure, occupant/user complaints, project delegy/deferment, and increased costs.	Likely	Major	16	20.00	N	8 – Fairly Confident	Good project planning, driven by competent oppointed Project of Monoger, to minimise the likelihood on of posterior of known or potential disuption. This could include the timing of works, provision of temporary alternative services, and ensuring this is well communicated to attachabilities.	£0.0	0 Likely	Minor	£0.00	4	£0.00		17/01/20	City Surveyor's, Corporate Energy Team	Mark Donaldson		
	6	(5) H&S/Wellbeing	An accident/liquy related to the works being undertaken for the installation	Depends on the nature of the occident/fijlipy, but potentially project delays and legal action.	e Possible	Extreme	24	20.00	N	8 – Fairly Confident	Faule project is specified, designed, procured, and installed/immoged in accordance with regulations and Cot policies, accompanie with reproductive with appropriate for smooth projects from CWM34 stage until installation completion and hand-over and ensure eighboth and completion and hand-over and ensure eighboth and completion and hand-over and ensure eighboth and control contro	£0.0	D Rare	Extreme	£0.00	8	£0.00		17/01/20	City Surveyor's, Corporate Energy Team	Mark Donaldson		
	6	(4) Contractual/Part nership	Installation is not compliant	Depending the the nature of the compliance this could have minor to major issues. It could result in essential services being shut-down or building areas being unoccupied.	f Unlikely	Extreme	16	£0.03	N	B – Fairly Confident	Through due diligence, Control of Contractors, and Project Manager resource: ensure specification and installation meets standards. Enhanced scrutiny should be given to works to services which have higher risks.	20.03	D Rare	Extreme	£0.00	8	£0.00		17/01/20	City Surveyor's, Corporate Energy Team	Mark Donaldson		
	6	(5) H&S/Wellbeing	Occupants/users are not satisfied with final outcome	Poor performance from new building services could result in minor or major disatisfaction depending on the resulting issues.	Unlikely	Major	8	£0.00	N	B – Fairly Confident	Through due dilligence, Control of Contractors, and Project Manager resource: ensure specification and installation meets standards. Enhanced scrutiny should be given to works to services which have higher risks.	£0.0	D Rare	Major	£0.00	4	£0.00		17/01/20	City Surveyor's, Corporate Energy Team	Mark Donaldson		

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R9	6 (2) Financial	Projected energy savings not achieved	Longer payback period which errodes the business case which is based on a short spend-to-save payback	ossible	Serious	6	£0.00	N	B – Fairly Confident	Energy saving adoublins have been based on conservative assumptions, but will be Arther reviewed between GW2-3/4 to ensure projections are still realistic. It lover energy savings are due to system performance this will be investigated and may require engaging with the installer/contractor or designer.	£0.00	Possible	Minor	£0.00	3	£0.00	17/01/20	City Surveyor's, Corporate Energy Team	Mark Donaldson	
RIO	6 (8) Technology	Installed assets fail before anticipated life	Anticipated savings on installed assets are not ochleved.	ossible	Major	12	£0.00	N	B – Fairly Confident	Specify qualify equipment with a high confidence for meeting project file basis for whole-life-cost business case. Ensure efficient assets are under appropriate maintenance contract and that maintenance is corried out in accordance with manufactures recommendations.	£0.00	Unlikely	Serious	£0.00	4	£0.00	17/01/20	City Surveyor's, Corporate Energy Team	Mark Donaldson	
RII	6 (2) Financial	Site changes result in early redundancy of installed assets	Anticipated savings on installed assets are not ochleved.	ossible	Major	12	£0.00	N	B – Foirly Conflident	Consult with copocate properly stakeholders to ensure diagrament with existing asset and building plans. Where there is a significant risk of assets becoming redundant before their artificiorated simple polyback consider miligating through reducing installation scope to areas less likely to be effected.	£0.00	Unlikely	Serious	£0.00	4	£0.00	17/01/20	City Surveyor's, Corporate Energy Team	Mark Donaldson	
R12	3 (2) Financial	Delays to decision making or surveys due to a significant outbreak of the Corona virus.	pelays to project	ossible	Major	12	£0.00	N	A - Very Confident	Revise project programme as required	£0.00	Possible	Serious	£0.00	6	£0.00	18/10/21	City Surveyor's, Corporate Energy Team	Mark Donaldson	
R13	5 (2) Financial	Delay in allocating Project Manager to manage the process GW5 approval.	Delay to project programme Po	ossible	Serious	6	£0.00	N	B – Fairly Confident	Liaise with Building Surveying Group in advance	£0.00	Possible	Minor	£0.00	3	£0.00	18/10/21	City Surveyor's, Corporate Eneray Team	Mark Donaldson	
R14	5 (2) Financial	Budget for project management support is Insufficient due to scope or programme changes	Without sufficient project management support there is a risk to project delivery	ossible	Serious	6	£4,200.00	N	C - Uncomfortable	Increased projected management support. Estimated CRP to be requested at GW5	£2,800.00	Possible	Minor	£0.00	3	£0.00	18/10/21	City Surveyor's, Corporate Energy Team	Mark Donaldson	
R15	5 (4) Contractual/Par nership	Additional time is required from site staff to accommodate site access for the works than originally planned	This could incur additional staff costs	ossible	Serious	6	£1,020.00	N	C – Uncomfortable	Increased projected management support. Estimated CRP to be requested at GW5	£680.00	Possible	Minor	€0.00	3	£0.00	18/10/21	City Surveyor's, Corporate Energy Team	Mark Donaldson	
R16	5 (5) H&S/Wellbeing	Asbestos containing material	Increased projects costs and	ossible	Serious	6	£7,500.00	N	C – Uncomfortable	CRP included for addressing asbestos removal costs. If CRP is insufficient, then consideration will need to be made to reducing project scope to exclude areas with significant asbestos issues.	£5,000.00	Possible	Serious	£0.00	6	£0.00	18/10/21	City Surveyor's, Corporate Energy Team	Mark Donaldson	
R17	5 (5) H&S/Wellbeing	Electrical wiring identified as requiring replacement due to condition to allow works being carried out	Increased projects costs and delays	ossible	Serious	6	£7,500.00	N	C – Uncomfortable	CRP included for addressing minor electrical wiring replacement costs. If CRP is insufficient, then consideration will need to be made to reducing project scope to exclude areas with significant wiring condition issues.	£5,000.00	Possible	Serious	£0.00	6	£0.00				
R18	5 (4) Contractual/Par nership	Works result in damage to t unavoidable building interna decoration or retained luminiare fittings	I Increased projects costs and delays	ossible	Serious	6	£3,000.00	N	C - Uncomfortable	CRP requested to allow for any potential making good requirements, such as redecoratina	£2,000.00	Possible	Minor	£0.00	3	£0.00				
R19 R20							£0.00 £0.00	·			£0.00 00.03			20.00 20.00	$-\mathbb{T}$	£0.00 £0.00				
R21 R22 R23							00.03 00.03 00.03				£0.00 £0.00 00.03			£0.00 £0.00		£0.00 £0.00				
R24 R25							£0.00 £0.00				£0.00			£0.00 £0.00		£0.00 £0.00				
R26 R27							00.03 00.03				£0.00			£0.00 £0.00		£0.00 £0.00				
R28 R29							00.03 00.03				£0.00			£0.00 £0.00		£0.00 £0.00				
R30 R31							20.00 20.00 20.00				£0.00			£0.00 £0.00		£0.00 £0.00				
R32 R33							£0.00 £0.00				£0.00			£0.00 £0.00		£0.00 £0.00				
R34 R35							20.00 00.00				£0.00			£0.00		£0.00				
R36 R37							20.00 20.00 20.00				£0.00			£0.00 £0.00		£0.00 £0.00				
R38 R39							£0.00 £0.00				£0.00			£0.00 £0.00		£0.00 £0.00				
R40 R41							£0.00 £0.00				£0.00 £0.00			£0.00 £0.00		£0.00 £0.00				
R42 R43							£0.00 £0.00				£0.00 £0.00			£0.00 £0.00		£0.00 £0.00				
R44 R45							£0.00 £0.00				£0.00			£0.00 £0.00		£0.00 £0.00				
R46 R47							00.02 00.03				£0.00			£0.00 £0.00		£0.00 £0.00				
R48 R49							00.00 00.00				£0.00			£0.00 £0.00		£0.00 £0.00				
R50							£0.00		1		£0.00			£0.00		£0.00		1		

## Energy Reduction Programme Phase 1 -Appendix 2 Risk Register

R51		£0.00	£0.00	£0.00	£0.00				
R52		00.03 00.03	0.03 0.03	£0.00 £0.00	00.03				
R53		£0.00	£0.00	£0.00	£0.00				
R54		£0.00 £0.00	£0.00	£0.00	£0.00				
R55		£0.00	£0.00	£0.00	00.03				
R56		00.03	£0.00	£0.00	£0.00				
R57		£0.00	£0.00	£0.00	£0.00				
R58		£0.00	£0.00	£0.00	£0.00				
R59		20.02	£0.00	£0.00	00.03				
R60		£0.00	£0.00	£0.00	20.00				
R61		20.02	£0.00	£0.00	£0.00				
R62		20.02	£0.00	£0.00	00.03				
R63		20.00	00.0g	£0.00	£0.00				
R64		20.02	£0.00	£0.00	£0.00				
R65		20.02	£0.00	£0.00	00.03				
R66		£0.00	£0.00	£0.00	£0.00	1	1		
R67		00.03	£0.00	£0.00	£0.00				
R68		£0.00	£0.00	£0.00	00.03	1			
R69		00.03	£0.00	£0.00	00.03				
R70		20.02	£0.00	£0.00	00.03	1			
R71		00.03 00.03	£0.00	£0.00 £0.00	£0.00				
R72		£0.00	00.0g	£0.00	£0.00				
R73		00.03 00.03	£0.00	£0.00 £0.00	£0.00				
R74		£0.00	£0.00	£0.00	20.00				
R75		£0.00	£0.00	£0.00	£0.00				
R76		£0.00	£0.00	£0.00	£0.00				
R77		£0.00	£0.00	£0.00	£0.00				
R78		£0.00	£0.00	£0.00	£0.00				
R79		£0.00	£0.00	£0.00	£0.00				
R80		20.02	£0.00	£0.00	£0.00				
R81		£0.00	£0.00	£0.00	£0.00				
R82		£0.00	£0.00	£0.00	£0.00				
R83		£0.00	£0.00	£0.00	£0.00				
R84		20.02	£0.00	£0.00	00.03	1			
R85		00.03 00.03	£0.00	£0.00	£0.00				
R86		£0.00	£0.00	£0.00	£0.00	1	1		
R87		00.03 00.03	£0.00	£0.00	£0.00				
R88		£0.00	£0.00	£0.00	£0.00	1	1		
R89		00.03	£0.00	£0.00	£0.00	1	1	ļ	
R90		20.00	£0.00	£0.00	£0.00				
R91		00.03	£0.00	£0.00	£0.00	1	1	ļ	
R92		£0.00	£0.00	£0.00	£0.00				
R93		00.03	£0.00	£0.00	£0.00				
R94		£0.00	£0.00	£0.00	£0.00				
R95		00.03	£0.00	£0.00	00.03				
R96		20.02	£0.00	£0.00	£0.00	1			
R97		00.03	£0.00	£0.00	£0.00				
R98		20.02	£0.00	£0.00	£0.00	1			
R99		20.02	£0.00	£0.00	£0.00	1	1		
R100		£0.00	£0.00	£0.00	£0.00				
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