

Northern Isles New Energy Solutions

ID	Task Name	Start	Duration	Predecessors	Finish
1	STAGE 1	Mon 04/01/10	1550 days?		Mon 14/12/15
2	WP1 - Project Management (roles and responsibilities are defined in appendix C(ii))	Thu 07/01/10	1257 days?		Fri 31/10/14
3	Gate 0 Project Start Up	Thu 07/01/10	60 days		Wed 31/03/10
7	Gate 1 Opportunity Assessment	Mon 05/04/10	20 days?	3	Fri 30/04/10
14	Gate 2 Development	Mon 10/05/10	125 days	7	Fri 29/10/10
23	Gate 3 Refinement	Mon 01/11/10	1000 days	14	Fri 29/08/14
36	Gate 4 Execution	Mon 18/04/11	880 days	35	Fri 29/08/14
40	Gate 5 Operate and Evaluate	Mon 01/09/14	45 days?	36	Fri 31/10/14
46					
47	WP2 - Systems Architecture	Mon 04/10/10	1199 days?		Thu 07/05/15
48	Business and Systems Architecture	Mon 04/10/10	1199 days		Thu 07/05/15
49	Task 1 Create Architecture and ITT for Comms	Mon 04/10/10	129 days		Thu 31/03/11
50	Task 2 Comms Design and Deployment	Fri 06/05/11	40 days		Thu 30/06/11
51	Task 11 RT Network Connectivity for Shetland	Fri 10/06/11	18 days	62SS	Tue 05/07/11
52	Task 12 Provide Control Units for ANM Comms (50 Off RTUs GJPRS Comms)	Mon 04/07/11	40 days		Fri 26/08/11
53	Task 13 Create Domestic Demand Side Telemetry manager	Fri 04/03/11	20 days		Thu 31/03/11
54	Task 14 Domestic Demand Side Management RTU and Comms (980 Serial/20Dimplex)	Fri 01/04/11	1070 days		Thu 07/05/15
55	Task 15 Create Shetland DMZ Environment for Pi	Wed 06/07/11	10 days	51	Tue 19/07/11
56	Core Application Update and Integration	Fri 01/04/11	122 days?		Mon 19/09/11
57	Task 3 Define the Business and Systems Architecture Frameworks for Smart Grid	Fri 01/04/11	40 days?	49	Thu 26/05/11
58	Task 4 Define Target/Current Information Systems Architecture	Fri 27/05/11	10 days	57	Thu 09/06/11
59	Task 7 ENMAC Update and Installation	Fri 08/07/11	27 days	62	Mon 15/08/11
60	Task 9 New Shetland Pi Installation	Wed 27/07/11	25 days?	61	Tue 30/08/11
61	Task 8 Existing North Pi installation	Fri 08/07/11	13 days	62	Tue 26/07/11
62	Task 10 SERCK Installation	Fri 10/06/11	20 days	58	Thu 07/07/11
63	Task 16 Factory Acceptance Testing	Tue 16/08/11	25 days	59	Mon 19/09/11
64	Infrastructure Provision	Mon 04/10/10	911 days?		Mon 31/03/14
65	Task 5 Define Business Process Model and Operation Processes (Control Centre)	Fri 17/06/11	10 days		Thu 30/06/11
66	Task 6 Define Security Architecture Requirements	Fri 13/05/11	35 days		Thu 30/06/11
67	Task 18 Development Test and Delivery Environments	Fri 17/06/11	10 days		Thu 30/06/11
68	Task 19 Produce Technical Solutions Architecture Paper Phase 1	Mon 06/06/11	85 days		Fri 30/09/11
69	Task 19 Produce Technical Solutions Architecture Paper Phase 2	Mon 04/06/12	85 days		Fri 28/09/12
70	Task 17 Installation Test - Cutover and Implementation Stage 1	Mon 07/11/11	20 days		Fri 02/12/11
71	Task 17 Installation Test - Cutover and Implementation Stage 2	Mon 05/11/12	20 days		Fri 30/11/12
72	Task 20 Maintenance and Support	Mon 04/10/10	911 days?		Mon 31/03/14

Project: LCNF Tier 2 - NINES ver 10-A
Date: Fri 03/09/10

Task

Critical Task

Progress

Milestone

Summary

Rolled Up Task

Rolled Up Critical Task

Rolled Up Milestone

Rolled Up Progress

Split

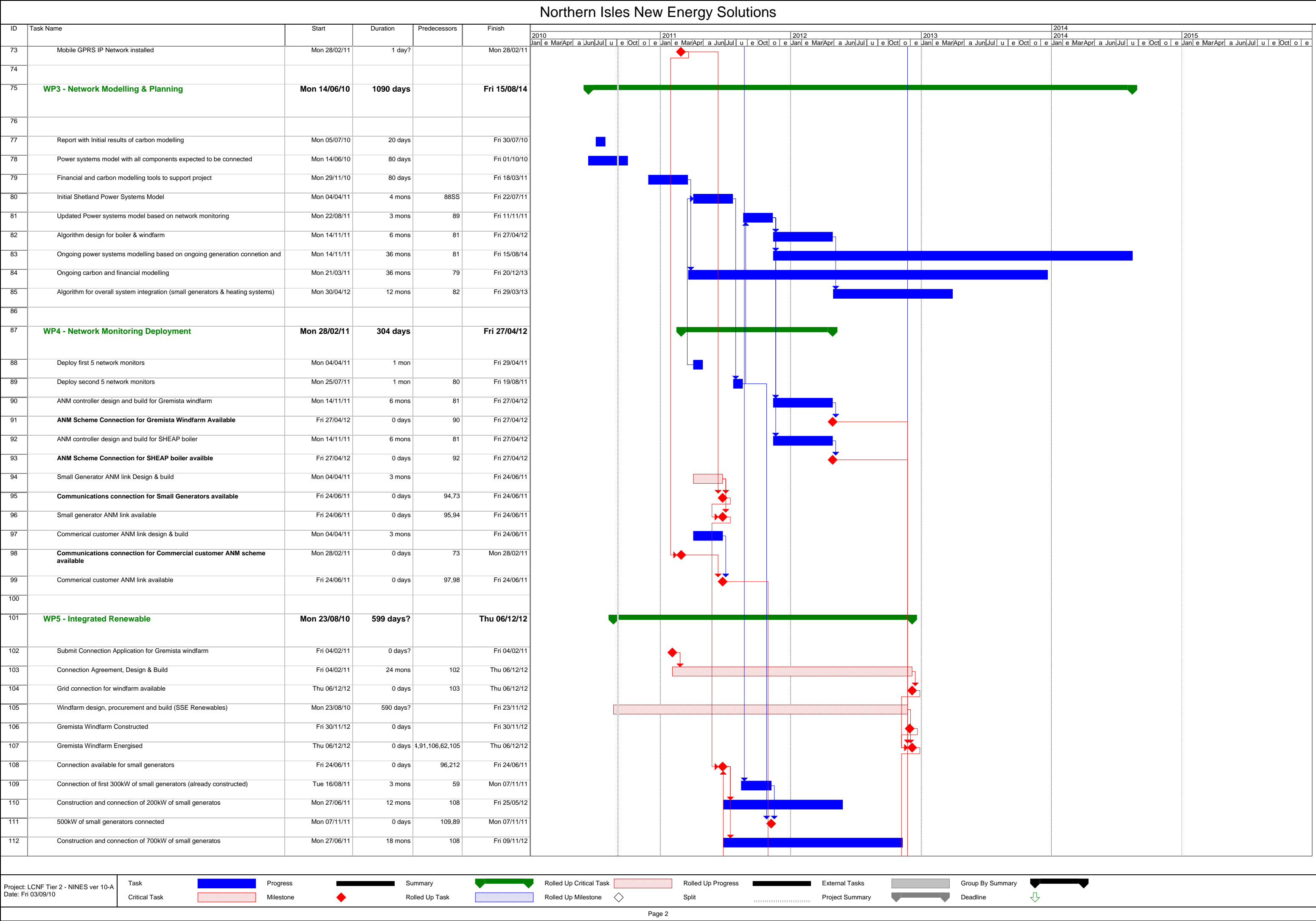
External Tasks

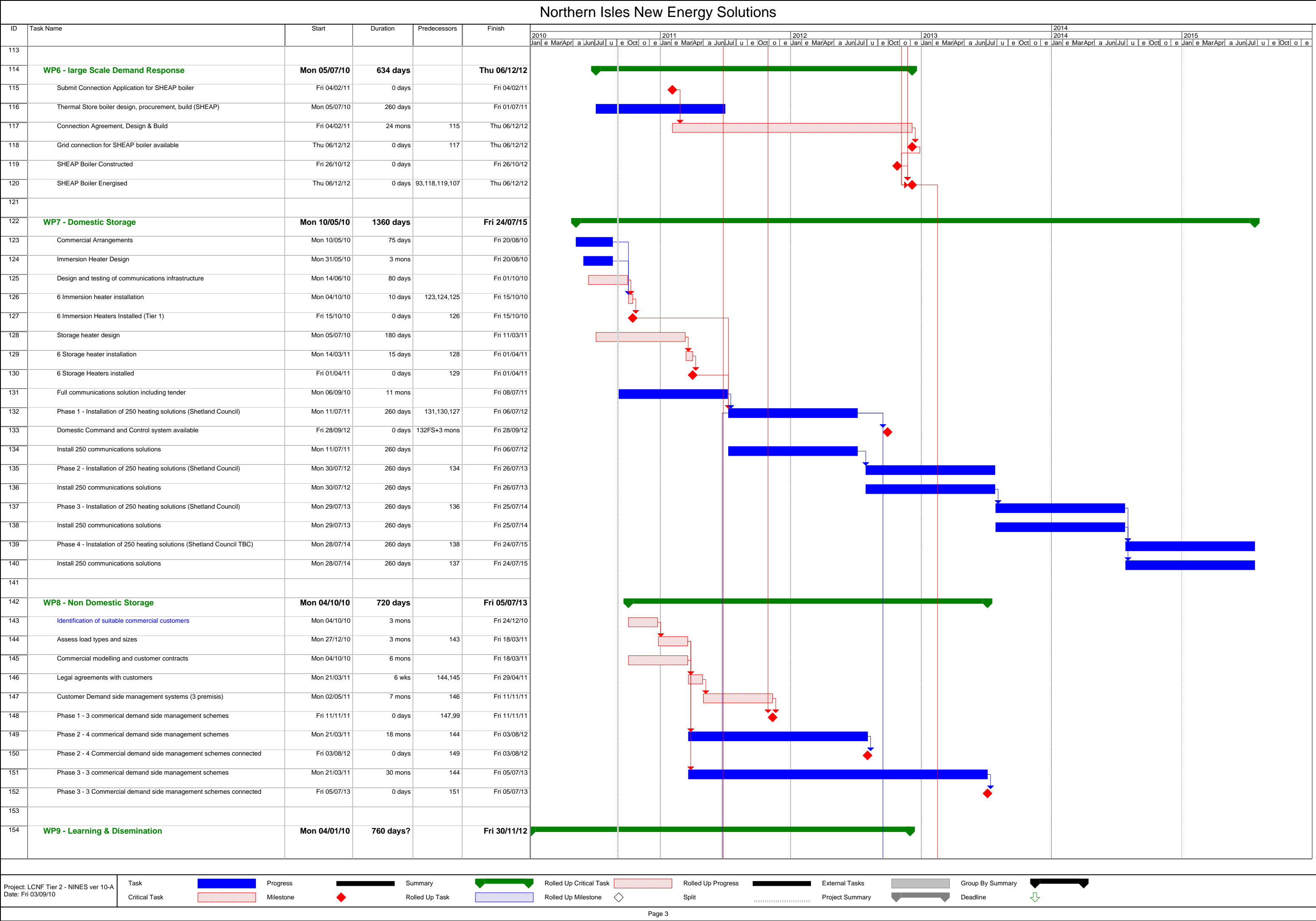
Project Summary

Group By Summary

Deadline

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Task Name	Start	Duration	Predecessors	Finish
182	Establish an energy information centre	Fri 30/03/12	0 days	Fri 30/03/12
183	Operate regular 'energy surgeries'	Mon 11/07/11	24 mons	Fri 10/05/13
184	Liaise with developers of renewable generation in Shetland to develop and implement a new connection policy for Shetland	Mon 31/01/11	0 days	Mon 31/01/11
185	Establish, with the University of Strathclyde, a programme of learning dissemination as described in Box 18	Fri 30/09/11	0 days	Fri 30/09/11
186	Develop a sophisticated website allowing academics and industry professionals to share learning and information	Fri 30/03/12	0 days	Fri 30/03/12
187	Establish an exhibition in Glasgow Science Centre, a major Scottish venue	Fri 30/11/12	0 days	Fri 30/11/12
188	Provide OFGEM with a NINES Project Annual Report	Mon 02/04/12	0 days	Mon 02/04/12
189	Interim report to Lerwick Power Station replacement project	Fri 28/09/12	0 days	Fri 28/09/12
190	Report on 4MW controllable demand (initial)	Thu 28/02/13	0 days	Thu 28/02/13
191	Report on 4MW controllable demand (final)	Thu 30/01/14	0 days	Thu 30/01/14
192	Report on initial 250 domestic heating installations (initial)	Fri 28/09/12	0 days	Fri 28/09/12
193	Report on initial 250 domestic heating installations (final)	Fri 30/08/13	0 days	Fri 30/08/13
194	Annual report on theoretical renewable capacity available on island network	Mon 02/04/12	0 days	Mon 02/04/12
195	Report on economic impact of NINES project (initial)	Mon 08/12/14	0 days	Mon 08/12/14
196	Report on economic impact of NINES project (final)	Mon 14/12/15	0 days	Mon 14/12/15
197	Joint report with National Grid and Univercity of Strathclyde on extrapolation to GB sy	Mon 01/12/14	0 days	Mon 01/12/14
198	Joint report with National Grid and Univercity of Strathclyde on extrapolation to GB sy	Mon 07/12/15	0 days	Mon 07/12/15
199				
200				
201				
202	WP 11 - Large Scale Electrical Storage	Mon 05/04/10	1415 days	Fri 04/09/15
203				
204	Begin tender process	Mon 05/04/10	6 mons	Fri 17/09/10
205	Procurement 'standstill' period	Mon 20/09/10	10 days	Fri 01/10/10
206	Functional design requirements	Mon 05/04/10	4 mons	Fri 23/07/10
207	Civil designs	Mon 20/09/10	30 days	Fri 29/10/10
208	Planning application submitted / granted	Mon 04/10/10	3 mons	Fri 24/12/10
209	Civil work commences	Mon 27/12/10	60 days	Fri 18/03/11
210	Battery Construction	Mon 31/01/11	2 mons	Fri 25/03/11
211	Battery Constructed	Fri 25/03/11	0 days	Fri 25/03/11
212	Battery Commisioned	Mon 28/03/11	3 mons	Fri 17/06/11
213	Operational Testing (independent mode)	Mon 20/06/11	6 mons	Fri 02/12/11
214	Integration into ANM Scheme	Mon 12/09/11	6 mons	Fri 24/02/12
215	Operational Testing (ANM Scheme)	Mon 27/02/12	6 mons	Fri 10/08/12
216	Operating regime agreed	Fri 25/01/13	0 days	Fri 25/01/13
217	Handover to Local Operations	Fri 08/02/13	0 days	Fri 08/02/13
218	On-going evaluation and monitoring	Mon 02/01/12	48 mons	Fri 04/09/15
219				
220	STAGE 2	Mon 03/09/12	1355 days	Fri 10/11/17