

Alternative Two CERC Scenario - revised plant capacity

PJA Alternative Model

	Daily Mileage	% Decrease
One CERC	3368	
Two CERCS	2809	17%

Working Days 260
Miles to Km 1.609

	km/yr	% Decrease
One CERC	1408865	
Two CERCS	1175263	17%

-233601

WSP / ERM Model

	Daily Mileage	% Decrease
One CERC	3365 *	
Two CERCS	2986	11%

	km/yr	% Decrease
One CERC	1407547	
Two CERCS	1249163	11%

-158384

* Differences between PJA and WSP mileage figures for One CERC scenario are the result of minor rounding errors encountered when recreating the spreadsheet model.

Original One CERC Scenario - Loads per Day

Disposal Sites

PRODUCERS

	Connon Bridge RTS	Launceston Bangors RTS	New Launceston RTS	Newquay Trevenson Road RTS	Scorrier RTS	St Austell Tregongeeves RTS	St Erth RTS	Connon Bridge LF	United Mines LF	Parkandillick CERC	APC Residue Treatment Plant	Recycling Market	Total
Carrick WCA	0	0	0	0	22.1	0	0	0	0	0	0	0	22.1
Caradon WCA	18.4	0	0	0	0	0	0	0	0	0	0	0	18.4
North Cornwall WCA	10.5	0	7.6	0	0	0	0	0	0	0	0	0	18.1
Restormel WCA	0	0	0	0	0	0	38	0	0	16.3	0	0	54.3
Perwith WCA	0	0	0	0	0	0	19.9	0	0	0	0	0	19.9
Kerrier WCA	0	0	0	0	22.8	0	0	0	0	0	0	0	22.8
I&C Waste	39.3	0	0	0	28.4	0	0	0	0	0	0	0	67.7
Bodmin Wheel Prosper HWRC	0	0	0	0	0	0	0	0	0	1.8	0	0	1.8
Bude Tiscott Wood HWRC	0	0	0	0	0	0	0	0	0	1.4	0	0	1.4
Falmouth HWRC	0	0	0	0	2.6	0	0	0	0	0	0	0	2.6
Helston Gays Hill HWRC	0	0	0	0	0	0	2.3	0	0	0	0	0	2.3
Launceston Bangors HWRC	0	0	1.3	0	0	0	0	0	0	0	0	0	1.3
Liskeard Connon Bridge HWRC	0	0	0	0	0	0	0	2.6	0	0	0	0	2.6
New Launceston HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0
Newquay HWRC	0	0	0	0	0	0	0	0	0	2.3	0	0	2.3
Newquay Trevenson Road HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0
Penzance HWRC	0	0	0	0	0	0	1.2	0	0	0	0	0	1.2
Redruth United Mines HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0
Scorrier HWRC	0	0	0	0	3.3	0	0	0	0	0	0	0	3.3
Saltash Tamar View HWRC	0	0	0	0	0	0	0	2.3	0	0	0	0	2.3
St Austell Menear Road HWRC	0	0	0	0	0	0	0	0	0	4.3	0	0	4.3
St Erth Hayle HWRC	0	0	0	0	0	0	1.7	0	0	0	0	0	1.7
St Ives Penbeagles HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0
Tintagel Bowthick HWRC	0	0	0	0	0	0	0	0	0	0.7	0	0	0.7
Truro HWRC	0	0	0	0	0	0	0	0	0	2.2	0	0	2.2
Pool MRF	0	0	0	0	0.1	0	0	0	0	0	0	0	0.1
Bodmin MRF	0	0	0	0	0	0	0	0	0	0.1	0	0	0.1
Connon Bridge RTS	0	0	0	0	0	0	0	11.7	0	5.8	0	0	17.5
Launceston Bangors RTS	0	0	0	0	0	0	0	0	0	0	0	0	0
New Launceston RTS	0	0	0	0	0	0	0	0	0	1.8	0	0	1.8
Newquay Trevenson Road RTS	0	0	0	0	0	0	0	0	0	0	0	0	0
Scorrier RTS	0	0	0	0	0	0	0	2.1	0	16.9	0	0	19
St Austell Tregongeeves RTS	0	0	0	0	0	0	0	0	0	5.5	0	0	5.5
St Erth RTS	0	0	0	0	0	0	0	0	0	6.7	0	0	6.7
Connon Bridge LF	0	0	0	0	0	0	0	0	0	0	0	0	0
United Mines LF	0	0	0	0	0	0	0	0	0	0	0	0	0
Parkandillick CERC	0	0	0	0	0	0	0	0	0	0	1.53	0	1.53
Bottom Ash Treatment	0	0	0	0	0	0	0	1.5	0	0	0	15.28	16.78
APC Residue Treatment Plant	0	0	0	0	0	0	0	0	0	0	0	0	0
Recycling markets	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Received by Disposal Sites	68.2	0	8.9	0	79.3	38	25.1	20.2	0	65.8	1.53	15.28	322.3
	<i>67.9</i>	<i>0</i>	<i>8.7</i>	<i>0</i>	<i>78.5</i>	<i>15.1</i>	<i>24.7</i>	<i>19.8</i>	<i>0</i>	<i>56.1</i>	<i>1.5</i>	<i>15.3</i>	<i>286.5</i>
Total Transit (In & Out through Disposal Site)	85.7	0	10.7	0	98.3	43.5	31.8	20.2	0	84.11			
	<i>85.4</i>	<i>0</i>	<i>10.5</i>	<i>0</i>	<i>97.4</i>	<i>20.5</i>	<i>31.3</i>	<i>19.8</i>	<i>0</i>	<i>74.4</i>			

Totals in Italics are from WSP Report

Alternative Two CERC Scenario - Loads per Day

Disposal Sites

PRODUCERS

	Connon Bridge RTS	Launceston Bangors RTS	New Launceston RTS	Newquay Trevenson Road RTS	Scorrier RTS	St Austell Tregongeeves RTS	St Erth RTS	Connon Bridge LF/CERC	United Mines CERC	Parkandillick CERC	APC Residue Treatment Plant	Recycling Market	Total	
Garrick WCA	0	0	0	0	0	22.1	0	0	0	0	0	0	22.1	21.5
Caradon WCA	18.4	0	0	0	0	0	0	0	0	0	0	0	18.4	17.9
North Cornwall WCA	10.5	0	0	7.6	0	0	0	0	0	0	0	0	18.1	17.6
Restormel WCA	0	0	0	0	0	0	38	0	0	16.3	0	0	54.3	21.5
Penwith WCA	0	0	0	0	0	0	0	19.9	0	0	0	0	19.9	19.4
Kerrier WCA	0	0	0	0	0	22.8	0	0	0	0	0	0	22.8	22.2
B&C Waste	39.3	0	0	0	0	28.4	0	0	0	0	0	0	67.7	66.5
Bodmin Wheal Prosper HWRC	0	0	0	0	0	0	0	0	1.9	0	0	0	1.9	1.9
Bude Tiscott Wood HWRC	0	0	0	0	0	0	0	1.4	0	0	0	0	1.4	1.4
Falmouth HWRC	0	0	0	0	0	2.6	0	0	0	0	0	0	2.6	2.6
Helston Gays Hill HWRC	0	0	0	0	0	0	0	0	2.3	0	0	0	2.3	2.3
Launceston Bangors HWRC	0	0	1.3	0	0	0	0	0	0	0	0	0	1.3	1.3
Liskeard Connon Bridge HWRC	0	0	0	0	0	0	0	2.6	0	0	0	0	2.6	2.6
New Launceston HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Newquay HWRC	0	0	0	0	0	0	0	0	2.3	0	0	0	2.3	2.3
Newquay Trevenson Road HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Penzance HWRC	0	0	0	0	0	0	1.2	0	0	0	0	0	1.2	1.2
Radruth United Mines HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scorrier HWRC	0	0	0	0	0	3.3	0	0	0	0	0	0	3.3	3.4
Saltash Tamar View HWRC	0	0	0	0	0	0	0	0	2.3	0	0	0	2.3	2.3
St Austell Menear Road HWRC	0	0	0	0	0	0	0	4.3	0	0	0	0	4.3	4.3
St Erth Hayle HWRC	0	0	0	0	0	0	1.7	0	0	0	0	0	1.7	1.8
St Ives Penbeagles HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tintagel Bowthick HWRC	0	0	0	0	0	0	0	0.7	0	0	0	0	0.7	0.7
Truro HWRC	0	0	0	0	0	0	0	0	2.2	0	0	0	2.2	2.3
Pool MRF	0	0	0	0	0	0.1	0	0	0	0	0	0	0.1	0.1
Bodmin MRF	0	0	0	0	0	0	0	0	0	0	0.1	0	0.1	0.1
Connon Bridge RTS	0	0	0	0	0	0	0	17.5	0	0	0	0	17.5	17.5
Launceston Bangors RTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Launceston RTS	0	0	0	0	0	0	0	1.9	0	0	0	0	1.9	1.8
Newquay Trevenson Road RTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scorrier RTS	0	0	0	0	0	0	0	2.1	16.9	0	0	0	19	18.9
St Austell Tregongeeves RTS	0	0	0	0	0	0	0	5.5	0	0	0	0	5.5	5.4
St Erth RTS	0	0	0	0	0	0	0	0	6	0	0	0	6	6.6
Connon Bridge LF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
United Mines LF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parkandillick CERC	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5
Bottom Ash Treatment	0	0	0	0	0	0	0	0	0	0	0	15.28	15.28	16.8
APC Residue Treatment Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recycling markets	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Received by Disposal Sites	68.2	0	8.3	0	79.3	38	22.8	40.1	46	0.1	0	15.28	318.7	286.5
	67.9	0	8.7	0	78.5	15.1	24.7	19.8	0	56.1	0	1.5	15.3	
Total Transit (In & Out through Disposal Site)	85.7	0	10.8	0	98.3	43.5	28.8	40.1	46	15.38	0	0		
	85.4	0	10.5	0	97.4	20.5	31.3	19.8	0	74.4	0	0		

Totals in Italics are from WSP Report

Original One CERC Scenario - Mileage

Disposal Sites

PRODUCERS

	Connon Bridge RTS	Launceston Bangors RTS	New Launceston RTS	Newquay Trevenson Road RTS	Scorrier RTS	St Austell Tregongeeves RTS	St Erth RTS	Connon Bridge LF	United Mines LF	Parkandillick CERC	APC Residue Treatment Plant	Recycling Market	Total	
Carrick WCA	0	0	0	0	154.7	0	0	0	0	0	0	0	154.7	154.6
Caradon WCA	184	0	0	0	0	0	0	0	0	0	0	0	184	184.1
North Cornwall WCA	241.5	0	121.6	0	0	0	0	0	0	0	0	0	363.1	363.1
Restormel WCA	0	0	0	0	0	228	0	0	0	342.3	0	0	570.3	570
Perwith WCA	0	0	0	0	0	0	139.3	0	0	0	0	0	139.3	139.4
Kerrier WCA	0	0	0	0	342	0	0	0	0	0	0	0	342	342.4
I&C Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bodmin Wheel Prosper HWRC	0	0	0	0	0	0	0	0	0	18	0	0	18	18.3
Bude Tiscott Wood HWRC	0	0	0	0	0	0	0	0	0	58.8	0	0	58.8	57.4
Falmouth HWRC	0	0	0	0	23.4	0	0	0	0	0	0	0	23.4	23.1
Helston Gays Hill HWRC	0	0	0	0	0	0	36.8	0	0	0	0	0	36.8	36.2
Launceston Bangors HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liskeard Connon Bridge HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Launceston HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Newquay HWRC	0	0	0	0	0	0	0	0	0	18.4	0	0	18.4	18
Newquay Trevenson Road HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Penzance HWRC	0	0	0	0	0	0	7.2	0	0	0	0	0	7.2	7.2
Redruth United Mines HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scorrier HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saltash Tamar View HWRC	0	0	0	0	0	0	0	43.7	0	0	0	0	43.7	42.9
St Austell Menear Road HWRC	0	0	0	0	0	0	0	0	0	60.2	0	0	60.2	59.6
St Erth Hayle HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St Ives Penbeagles HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tintagel Bowthick HWRC	0	0	0	0	0	0	0	0	0	17.5	0	0	17.5	17.1
Truro HWRC	0	0	0	0	0	0	0	0	0	33	0	0	33	33.4
Pool MRF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bodmin MRF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Connon Bridge RTS	0	0	0	0	0	0	0	0	0	121.8	0	0	121.8	122.6
Launceston Bangors RTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Launceston RTS	0	0	0	0	0	0	0	0	0	61.2	0	0	61.2	62.8
Newquay Trevenson Road RTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scorrier RTS	0	0	0	0	0	0	0	79.8	0	321.1	0	0	400.9	399.8
St Austell Tregongeeves RTS	0	0	0	0	0	0	0	0	0	88	0	0	88	88.4
St Erth RTS	0	0	0	0	0	0	0	0	0	214.4	0	0	214.4	213.5
Connon Bridge LF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
United Mines LF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parkandillick CERC	0	0	0	0	0	0	0	0	0	0	53.55	0	53.55	53.7
Bottom Ash Treatment	0	0	0	0	0	0	0	31.5	0	0	0	0	31.5	31
APC Residue Treatment Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recycling markets	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total													3041.75	3038.6

Totals in Italics are from WSP Report

Alternative Two CERC Scenario - Mileage

Disposal Sites

PRODUCERS

	Connon Bridge RTS	Launceston Bangors RTS	New Launceston RTS	Newquay Trevenson Road RTS	Scorrier RTS	St Austell Tregongeeves RTS	St Erth RTS	Connon Bridge LF	United Mines LF	Parkandillick CERC	APC Residue Treatment Plant	Recycling Market	Total		
Carrick WCA	0	0	0	0	0	154.7	0	0	0	0	0	0	0	154.7	154.6
Caradon WCA	184	0	0	0	0	0	0	0	0	0	0	0	0	184	184.1
North Cornwall WCA	241.5	0	121.6	0	0	0	0	0	0	0	0	0	0	363.1	363.1
Restormel WCA	0	0	0	0	0	0	228	0	358.6	0	0	0	0	586.6	586.4
Perwith WCA	0	0	0	0	0	0	139.3	0	0	0	0	0	0	139.3	139.4
Kerrier WCA	0	0	0	0	0	342	0	0	0	0	0	0	0	342	342.4
I&C Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bodmin Wheel Prosper HWRC	0	0	0	0	0	0	0	25.2	0	0	0	0	0	25.2	25.6
Bude Tiscott Wood HWRC	0	0	0	0	0	0	0	58.8	0	0	0	0	0	58.8	57.5
Falmouth HWRC	0	0	0	0	0	23.4	0	0	0	0	0	0	0	23.4	23.1
Helston Gays Hill HWRC	0	0	0	0	0	0	0	0	36.8	0	0	0	0	36.8	36.2
Launceston Bangors HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liskeard Connon Bridge HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Launceston HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Newquay HWRC	0	0	0	0	0	0	0	0	39.1	0	0	0	0	39.1	38.3
Newquay Trevenson Road HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Penzance HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Redruth United Mines HWRC	0	0	0	0	0	0	7.2	0	0	0	0	0	0	7.2	7.2
Scorrier HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saltash Tamar View HWRC	0	0	0	0	0	0	0	43.7	0	0	0	0	0	43.7	42.9
St Austell Menear Road HWRC	0	0	0	0	0	0	0	64.5	0	0	0	0	0	64.5	63.9
St Erth Hayle HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St Ives Penbeagles HWRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tintagel Bowthick HWRC	0	0	0	0	0	0	0	19.6	0	0	0	0	0	19.6	19
Truro HWRC	0	0	0	0	0	0	0	0	28.6	0	0	0	0	28.6	29
Pool MRF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bodmin MRF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Connon Bridge RTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Launceston Bangors RTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Launceston RTS	0	0	0	0	0	0	0	57	0	0	0	0	0	57	55.5
Newquay Trevenson Road RTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scorrier RTS	0	0	0	0	0	0	0	79.8	50.7	0	0	0	0	130.5	312.5
St Austell Tregongeeves RTS	0	0	0	0	0	0	0	93.5	0	0	0	0	0	93.5	94
St Erth RTS	0	0	0	0	0	0	0	0	108	0	0	0	0	108	107.6
Connon Bridge LF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
United Mines LF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parkandillick CERC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bottom Ash Treatment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APC Residue Treatment Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recycling markets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total													2505.6	2682.3	

Totals in Italics are from WSP Report

Bottom Ash Movements

Loads Per Day	Bottom Ash Connon Bridge LF	APC Residue Out of County
2 CERC		
Connon Bridge CERC	0.75	0.75
United Mines CERC	0.75	0.75

Loads Per Day	Bottom Ash Connon Bridge LF	APC Residue Out of County
2 CERC		
Connon Bridge CERC	0.75	0.75
United Mines CERC	0.75	0.75

Route Distance	Bottom Ash Connon Bridge LF	APC Residue Out of County
2 CERC		
Connon Bridge CERC	0	31
United Mines CERC	40	54
	0	0

Route Distance	Bottom Ash Connon Bridge LF	APC Residue Out of County
2 CERC		
Connon Bridge CERC	0	31
United Mines CERC	40	54

Daily Mileage	Bottom Ash Connon Bridge LF	APC Residue Out of County
2 CERC		
Connon Bridge CERC	0	23.25
United Mines CERC	30	40.5
	Total	93.75

Daily Mileage	Bottom Ash Connon Bridge LF	APC Residue Out of County
2 CERC		
Connon Bridge CERC	0	23.25
United Mines CERC	30	40.5
	Total	93.75

Recycling Mileage

	Original Mileage	Number of Loads	Vehicle Mileage
Scenario 1			
Restormel Recycling Loads > CERC	21	14	294
CERC Bulked Recycling > Bodmin MRF	16	2	32
Scenario 2			
Restormel Recycling Loads > Bodmin MRF	15	14	210