



KALUNDBORG SYMBIOSIS 2015

Energy 

Water 

Materials 

1. Steam
2. District heating
3. Power to grid
4. Warm condensate
5. District heating

6. Waste water
7. Cleaned waste water
8. Surface water
9. Technical water
10. Used cooling water
11. Deionized water
12. Sea water
13. Drain water
14. Tender water
15. Process water
16. Cleaned surface water

17. Waste
18. Gypsum
19. Fly ash
20. Sulphur
21. Slurry
22. Bioethanol
23. Sand
24. Sludge
25. C5/C6 Sugars
26. Lignin
27. NovoGro 30
28. Ethanol waste
29. Biomass

