## TransitionHERO HIGH LEVEL HEAT AND MASS BALANCE General Note: 1) The balance is derived from the R2 conversion model and Aspen Hysys simulation (for separation and product gas section). 2) All enthalby data is generated from Aspen Hysys model with same default reference point. 3) The numbers have to be confirmed by the suppliers (Sulzer and Borsig) when they do their simulation. 4) Yield is calculated based on the convertible content; not including the impurities (8%) and the moisture content (0.5%) 5) Enthalpy of the bitumen is unknown. It will be updated when more information from BlueAlp is received. Solid ?% Product gas Solid ?% Product gas \*) based on convertible content on feedstock (not including impurities and moisture content) Note B) The conversion model shows yield of 51% and the simulation shows 50% yield. The difference is probably because of the limitation of the simulation of Product gas section part. Borsiq is still to confirm this by their simulation. Document number: BTX-1-MHB-0002 Cilent: BioBTX B.V. Project: PETRA Circular Chemicals Client project no: Plant location: Delfziji Rev Date Description BioBTX