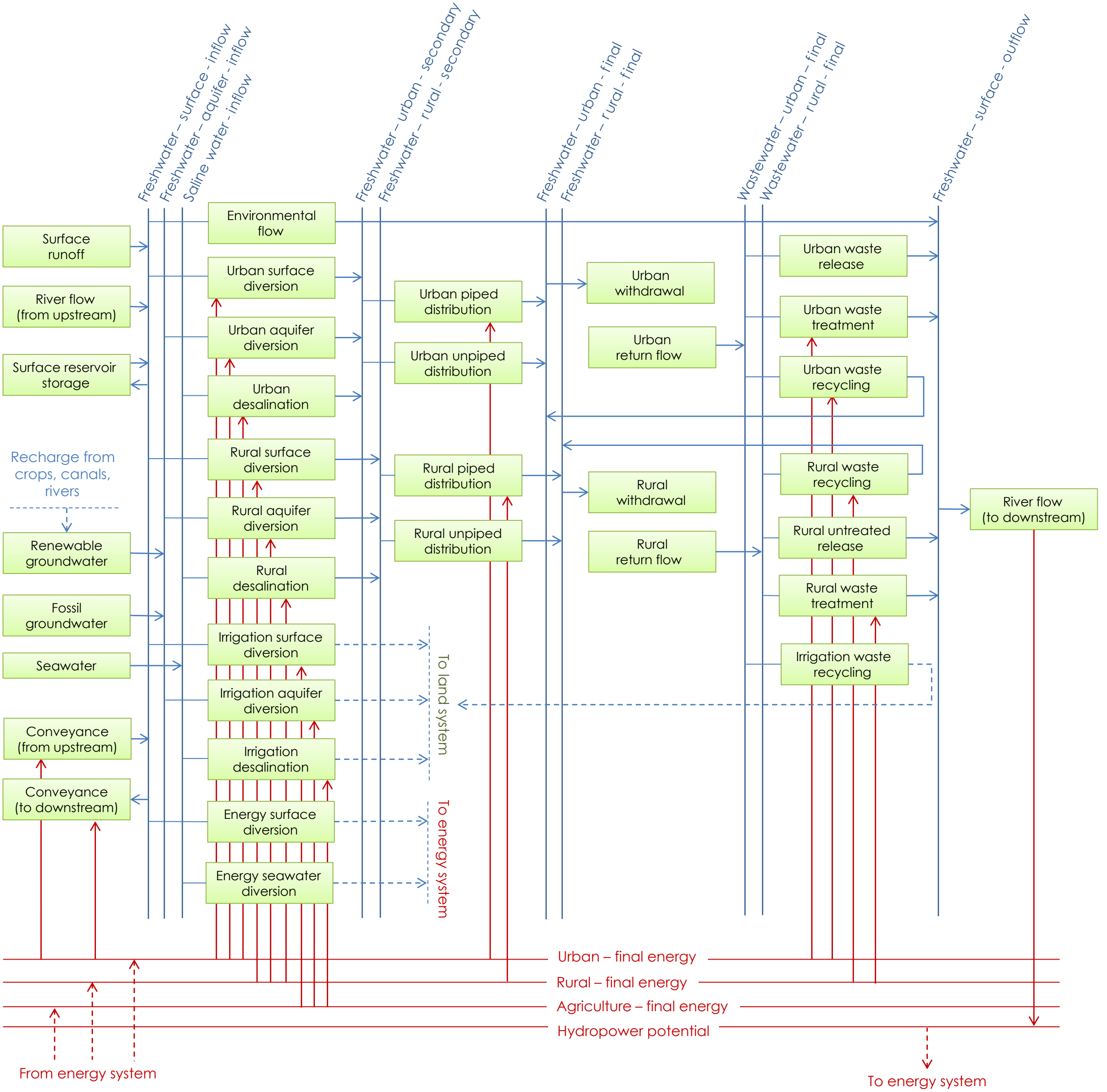
Freshwater – surface - inflow
Freshwater – aquifer - inflow
Saline water - inflow
Freshwater – urban - secondary
Freshwater – rural - secondary
Freshwater – urban - final
Freshwater – rural - final
Wastewater – urban – final
Wastewater – rural - final
Freshwater – surface - outflow
Surface runoff
River flow (from upstream)
Surface reservoir storage
Recharge from crops, canals, rivers
Renewable groundwater
Fossil groundwater
Seawater
Conveyance (from upstream)
Conveyance (to downstream)
Environmental flow
Urban surface diversion
Urban aquifer diversion
Urban desalination
Rural surface diversion
Rural aquifer diversion
Rural desalination
Irrigation surface diversion
Irrigation aquifer diversion
Irrigation desalination
Energy surface diversion
Energy seawater diversion
Urban piped distribution
Urban unpiped distribution
Rural piped distribution
Rural unpiped distribution
To land system
To energy system
Urban withdrawal
Urban return flow
Rural withdrawal
Rural return flow
Urban waste release
Urban waste treatment
Urban waste recycling
Rural waste recycling
Rural untreated release
Rural waste treatment
Irrigation waste recycling
River flow (to downstream)
Urban – final energy
Rural – final energy
Agriculture – final energy
Hydropower potential
From energy system
To energy system