Design and material recycling is key to enhance tire circularity

Ecodesign to improve circularity In line with tire functional requirements and guiding principles of ecodesign* Lifetime extension Lifetime extension Retreading, regrooving Material recycling Sorting, shredding, granulation, Closed-loop Open-loop pulverization, pyrolysis, Increasing Circularity material material devulcanization, chemical recycling, pelletizing recycling** recycling* ** Closed-loop: tire-to-tire material recycling; open-loop: other material recycling **Energy recovery** Cement Kilns, Combustion, **Energy recovery** Electric Arc Furnace, Gasification No recovery Incineration, landfilling ELT management *ISO 14006:2020 Environmental management systems ***This hierarchy diagram is not an absolute one, and does not represent the current ELT management market. With the hierarchy it is the wish to promote the best case scenario for circularity in ELT management. There will always be



discrepancies depending on conditions such as national and regional laws/regulations, the state of recycling infrastructure, and the capacity/efficiency of recycling facilities

Hagarsville, Ontario Tire Fire Feb 13, 1990 14 million tires burned for 17 days

