

- method to CO₂ capture utility allocation problem





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Distillation				HDS			Cooling Tower		
	C _j ^{pin,ma} x (ppm)	Load (kg/h)	F (ton/h)	Cj ^{pin,ma} x (ppm)	Load (kg/h)	F (ton/h)	C _j ^{pin,max} (ppm)	Load (kg/h)	F (ton/h
HC	0	0.675		20	3.4		120	5.6	
H ₂ S	0	18	45	300	414.8	34	20	1.4	56
Salt	0	1.575		45	4.59		200	520.8	
freshwater 8.44 NLP: 105.6 t/h LP: 105.6 t/h 52.16				$\rightarrow \qquad Distillation \qquad 16$ $25.49 \qquad 34$ $\rightarrow \qquad HDS \qquad 0.07$ $\rightarrow \qquad Cooling Tower \qquad 54.$ 1.17				34	
	Using th 105.6 to required	ne target on/hr, w d for cor	ting app hich is a nventior	oroach, t signific nal wate	the fres cant sav er netwo	hwater ing over ork	consum r 135 to	nption is n/hr	5