

Assessing Water Consumption of Industrial Sectors in Iran, Using Input Output Technique

Topic: Input-output analysis for policy making 4

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A nation future growth and development depends upon more efficient and more productive use of its water resources. This is more important for a water scarce country such as Iran. In this paper through input output technique we try to estimate water consumption pattern of Iran manufacturing industries. Input output technique is an ideal way to present the relationship between economic sectors and water consumption. It also allows us to distinguish the direct and indirect water use. Through understanding of the relevance of various industrial sector within Iranian economy, we can better equip water authorities to make sound policy decisions in the event of emergency. To do this we try to aggregate 99 sector input output of Iran in to 29 sectors emphasizing more on manufacturing for which we have taken into account 23 branches based on ISIC, in addition to sectors such as agriculture, Construction, Mines, Services, Electricity, Gas and water, into account. In our study, we follow Cella and Diatzenbakher using Extraction Methods and discuss the results.

Keywords: Water Consumption, Extraction Method, Input Output technique, Iranian Industrial Economy.

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