

CDM 가
An analysis on the effect of the inclusion of nuclear power
in the CDM options on the Korean nuclear industry

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Abstract

The purpose of this study is to analysis the impacts upon domestic nuclear industry depending whether the nuclear power will be included in CDM. This study investigated the effect of the inclusion on the nuclear industry by using scenario approach. To do so, this study established several scenarios on the future possible progress for CDM as well as on the possible commitment of Korea for the mitigation of greenhouse gas emission. Then, the economic impact on Korea for each scenario was analyzed. It is expected that the inclusion of nuclear into the CDM options would promote nuclear industries. Because nuclear technology, representing a proven technology, can mitigate the greenhouse gas emission at a large volume with affordable cost and its contribution is relatively easy to measure, nuclear projects shall take a significant share in the CDM market. In this case, because it is the most probable for nuclear projects in developing countries to be expanded, Korea can have great opportunities to export nuclear technologies and equipments taking into consideration her capability of nuclear industries. Besides, Korea may reduce risk arising from a new capital investment under the privatization regime by hosting an additional nuclear power plant through the CDM projects.

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- 가	265	22%	64	6%	110	10%	101	8%
- Hot Air	-	-	426	41%	247	23%	111	8%
-	397	33%	400	38%	503	48%	723	55%
가 (\$/ton)	\$19		\$13		\$26		\$24	
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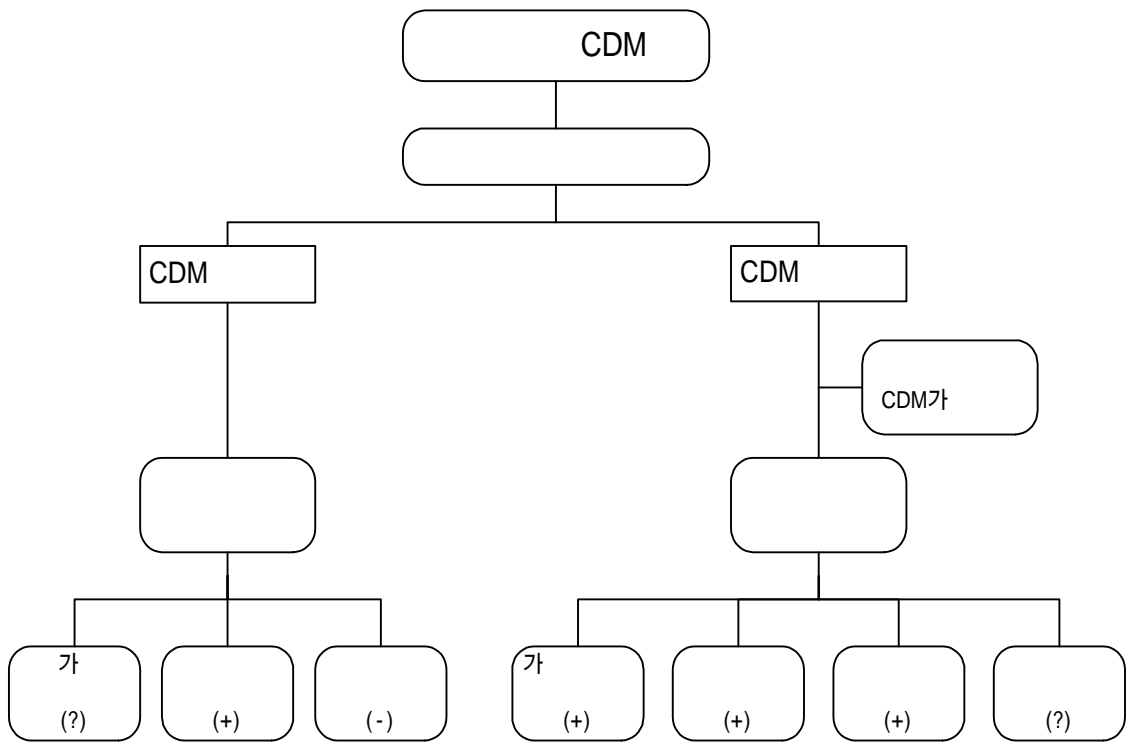
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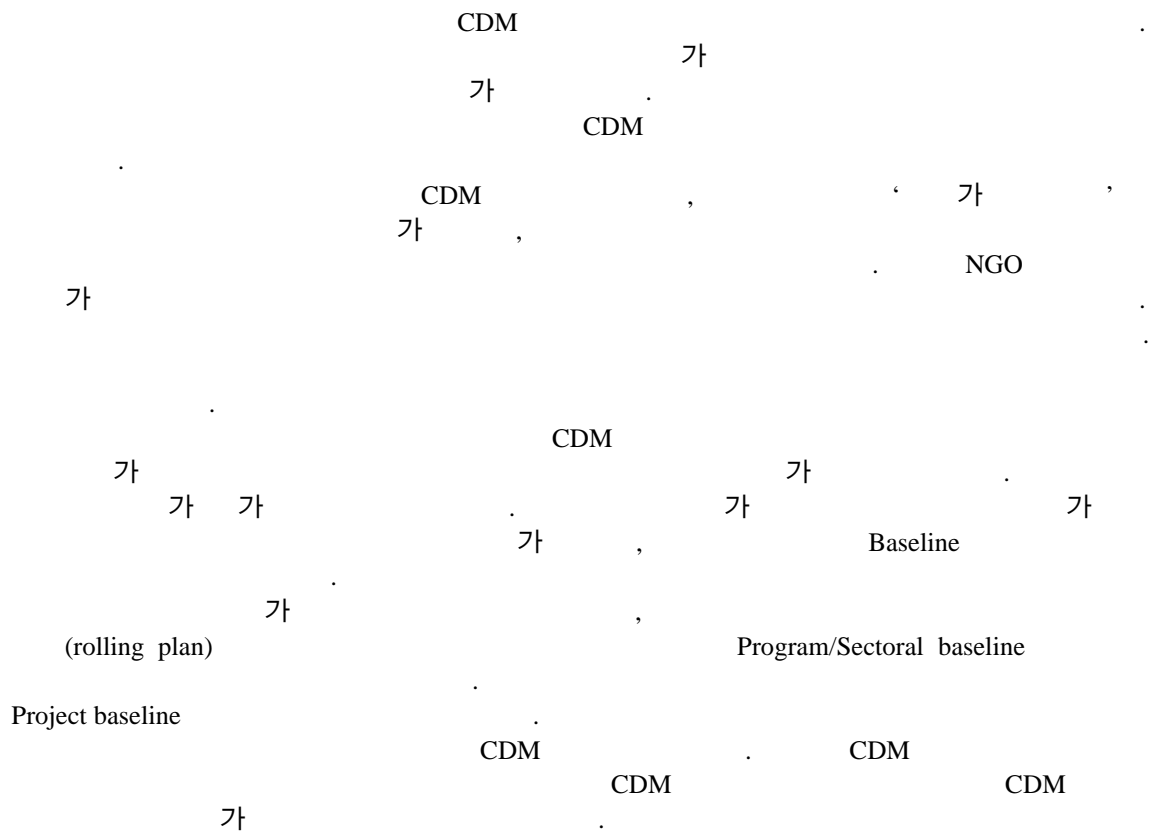


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[1] Financing sustainable Development with the Clean Development Mechanism, Austin, D. and Faeth, P., World Resources Institute, Washington D.C.
 [2] 6 가 (2000.11. 13-25,),
 [3] Kyoto Protocol to the United Nations Framework Convention on Climate Change(UNFCCC)