

# Project Evaluation of Intensive Land Use--- Taking Gansu Province Case 106 PV project

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**Key words:** Access to land; Land distribution; Land management; PV project, land, Economical and intensive use

## SUMMARY

Economical and intensive land use evaluation of construction project is the construction land scale of project organizer, the strength of land use structure, land use, land use efficiency of comprehensive evaluation. At present, the economical and intensive land use evaluation for specific construction projects of related research is relatively small, the connotation of economical and intensive land use evaluation of a single, evaluation result can not reflect the level of economical and intensive utilization of land for construction projects. In this paper, on the basis of multi-factor comprehensive analysis, selection of Gansu Province in 2013-2015 has 106 of the construction of the photovoltaic project as the object of empirical study, using specific projects such as land utilization, input and output data, through the land scale, land use intensity and land use structure, land use efficiency evaluation of four selected 11 concrete evaluation index, build concrete construction of economical and intensive land use evaluation index system, using the Delphi method and analytic hierarchy process (AHP) to measure the index weight, according to the three laws of delta and literature specification data to determine the criteria values, finally the typical pv measure evaluation on the construction project land economical and intensive utilization, and analyzes the evaluation results, some Suggestions. Results show that the land from the unit scale, intensity of land use structure, land use, land use benefit four dimensions to build the evaluation system can reflect comprehensively the construction project of economical and intensive utilization. Through the empirical analysis, 106 pv projects in Gansu Province economical and intensive land use level as a whole is higher, according to the economical and intensive degree of hierarchy. Four projects of economical and intensive land use level in a low utilization, 66 projects of economical and intensive utilization of land in the appropriate use levels, 34 project level of economical and intensive utilization of land in a moderate use, 2 project level of economical and intensive utilization of land in the high utilization level; Photovoltaic projects in terms of the four evaluation, the overall benefit evaluation of the land scale, land use intensity and land use layer score is

relatively high, but there are big differences between the specific evaluation units, individual construction project degree of economical and intensive utilization of land and larger ascension space; The evaluation of land use structure layer overall score is relatively low, through the construction project internal function layout optimization and adjustment of land use structure, and photovoltaic construction project land economical and intensive utilization degree has great room to improve.

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