

ANSWER-MARKAL

Version 6.4.22 software update
(including GAMS-MARKAL v5.9d code)

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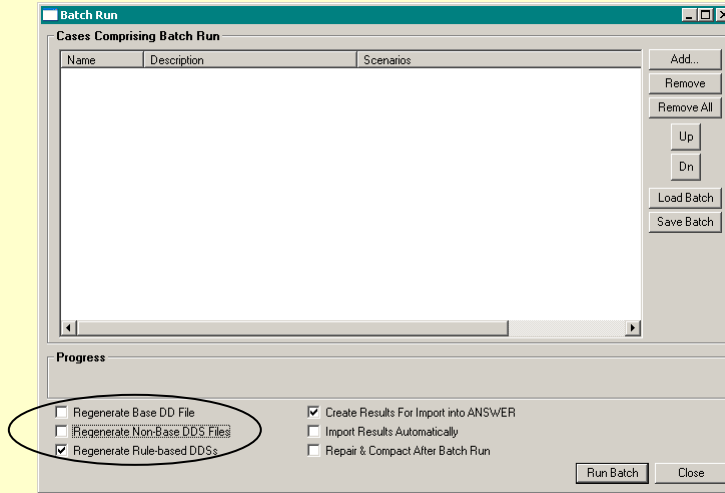


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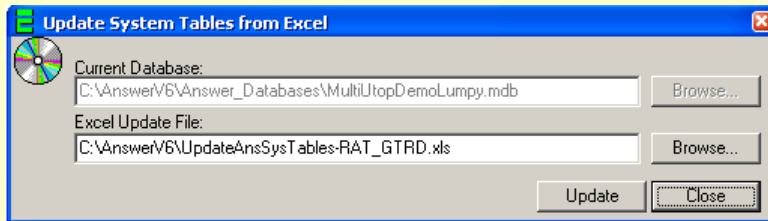
- ◆ *Released 1 November 2011*
- ◆ *Provides following enhancements:*
 - **Batch Run form**
 - “Regenerate BASE DD/non-BASE DDS Files” checkboxes added
 - rate of growth in size of temp. tables needed for rule-based constraints reduced
 - *automatic Repair & Compact of database during generation of DD & DDS files if database size close to Access 2GB limit.*
 - **New RAT_GTRD Data Parameters added to support GAMS-MARKAL feature allowing R_GTRD global trade variables to occur in Cross-Region User Constraints.**
 - **“Repair and Compact Database” enhanced: all records in temp tables are deleted prior to Microsoft Access Repair and Compact being carried out; resulting size of ANSWER database much smaller than previously.**



“Regenerate BASE DD/non-BASE DDS Files” checkboxes added to Batch Run form



RAT_GTRD Data Parameters as coefficients of R_GTRD global trade variables in Cross-Region User Constraints



Name	Description
RAT_FLO_ENT	Coeff technology according to energy flow, user constraint
RAT_GTRD(ENT)exp	Coeff global trade variable (energy carrier exports), user constraint
RAT_GTRD(ENT)imp	Coeff global trade variable (energy carrier imports), user constraint
RAT_GTRD(ENV)exp	Coeff global trade variable (emission exports), user constraint
RAT_GTRD(ENV)imp	Coeff global trade variable (emission imports), user constraint
RAT_GTRD(MAT)exp	Coeff global trade variable (material exports), user constraint
RAT_GTRD(MAT)imp	Coeff global trade variable (material imports), user constraint
RAT_HPL	Coeff heating-plant activity variable, user-def constraint

