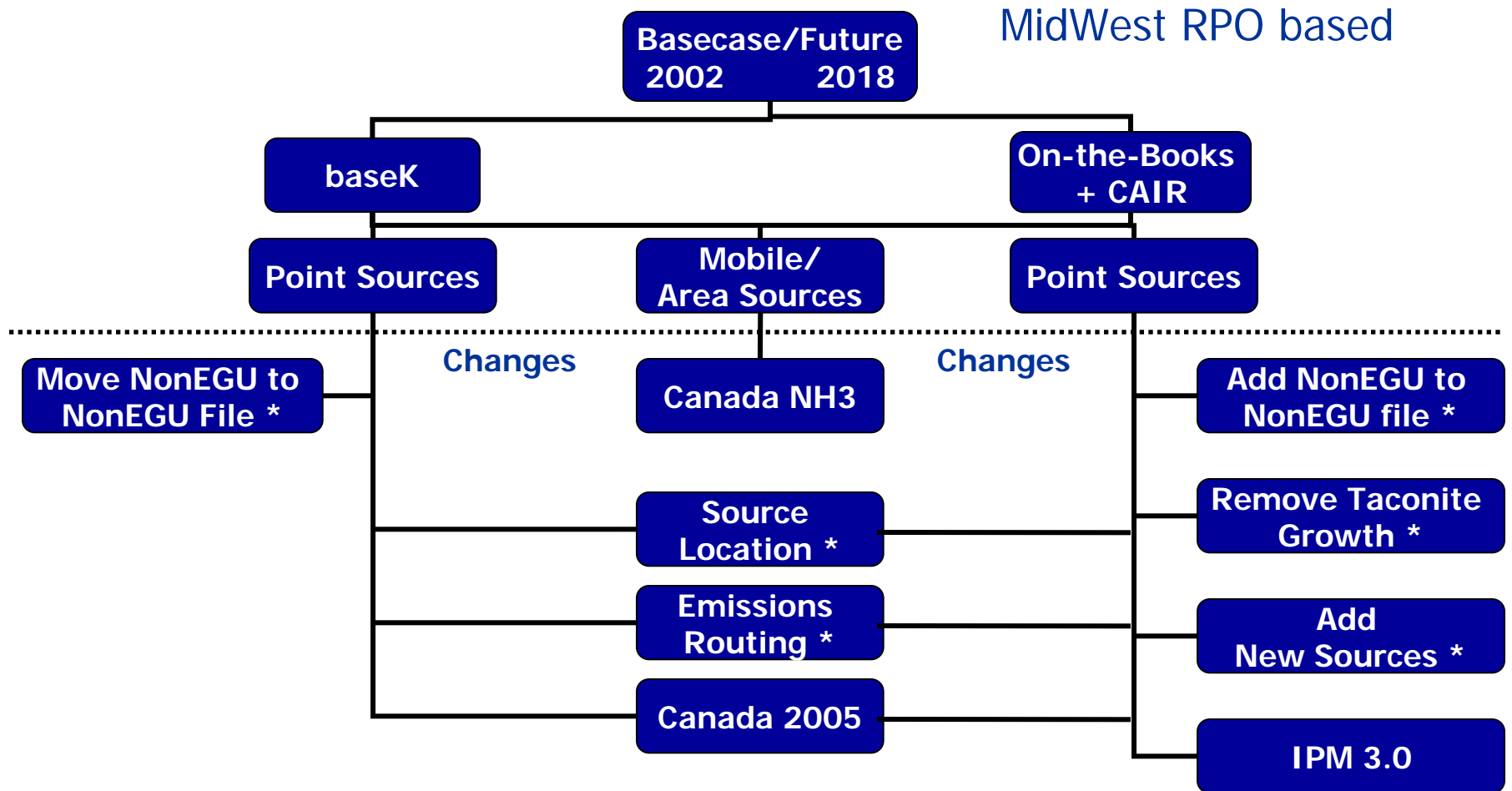

Regional Haze: Technical Update

Margaret McCourtney
Minnesota Pollution Control Agency
May 15, 2007



SIP Modeling Inputs



* Minnesota Sources Only



Remove Taconite Growth/ Add New Sources

Removed Growth

- U.S. Steel-Minntac
- Hibbing Taconite
- Mittal Mining ('02 Ispat)
- U.S. Steel-Keewatin
- United Taconite LLC – Fairlane Plant ('02 EVTAC)

Added

- Northshore Mining Silver Bay – Furnace 5
- United Taconite LLC – Fairlane Plant ('02 EVTAC) – Line 1
- Mesabi Nugget
- West Mine
- East Mine



IPM 3.0 for EGUs

- IPM 3.0 “as is”
 - Projects a new 300 MW coal-fired power plant in 2018
- IPM 3.0 “will do” adjustments
 - Xcel Energy Allen S King: 1 UNIT
 - Xcel Energy Black Dog: 2 UNITs
 - MN Power Clay Boswell: 2 UNITs
 - MN Power Taconite Harbor: 3 UNITs
 - Xcel Energy Granite City: 4 UNITs
- IPM 3.0 “may do” adjustments
 - Xcel Energy Sherburne County 3 UNITs



SIP Modeling part 1

Model Run	Status
Base Case (bK)	Started
PSAT – state level	Started
PSAT – facility level	Started
Future 2018 (w/ IPM 3.0 “as is”)	Early June start



SIP Modeling part 2

Model Run	Status
Future 2018 (w/ IPM 3.0 “will do”)	
PSAT – state level	
PSAT – facility level	
25% ammonia reduction statewide	
80% gas transmission NO _x reduction statewide	
30% SO ₂ /NO _x reduction NE MN	
3-state, 9-state SO ₂ /NO _x reduction plans beyond “on-the-books”	
Future 2018 (w/ IPM 3.0 “may do”)	

