THERMAL ENERGY IS RENEWABLE
ENERGY IN NEW MEXICO, LEVELING
THE PLAYING FIELD WITH SOLAR

IGSHPA ANNUAL MEETING
KANSAS CITY
BASICALLY, THIS BILL WAS DESIGNED TO CHANGE THE LANGUAGE IN STATUTE TO INCLUDE ‘USEFUL THERMAL ENERGY’; DEFINE WHAT THAT IS; HOW IT CAN BE MEASURED AND IN WHAT APPLICATIONS IT CAN BE USED IN.

THE JOURNEY BEGAN TWO YEARS AGO WITH A FAILED ATTEMPT AT SIMILAR LEGISLATION

DECIDED TO MAKE IT A STAND ALONE PIECE AND MOVE FORWARD
SB 249

- FIRST PRESENTATION REGARDING THE PROCESS AND IDEA WAS BEFORE THE WATER AND NATURAL RESOURCES JOINT COMMITTEE LAST SUMMER

- WE RECEIVED GREAT COMMENTS AND VERBAL SUPPORT FOR THE IDEA, FROM HERE WE FOUND STRONG SPONSORS IN BOTH HOUSES TO CARRY THE LEGISLATION FOR US. SEN. STEWART INGLE AND REP. GEORGE DODGE JR.
NEW MEXICO HAS AN RPS REQUIREMENT FOR UTILITIES.

PRIOR TO THIS LEGISLATION ONLY SOLAR AND WIND COULD MAKE UP THE RENEWABLE MIX

SOLAR POWER IS NOT REQUIRED TO BE METERED IN SMALL APPLICATIONS (UNDER 25KW) IT IS GIVEN THE CREDIT OF ITS NAME PLATE RATING FOR PRODUCTION

WE MODELED OUR EQUATION ON THE SOLAR CONCEPT INSTEAD OF METERING OR ASSUMING, WE MADE AN EQUATION BASED ON TONNAGE AND C.O.P.
THE EQUATIONS

- \[(\text{COP}-1)(\text{TONNAGE}/.9) = \text{REC}\]

- This allowed us to take only the efficiencies of the unit; the size and the approximate wattage needed to run the unit, or as compared to solar, about a 1 KW system.

- This equation works well for the size systems we intended it for, residential and small commercial.
THE REALITY

- Even with an aggressive state and federal tax credit, it has been difficult to move the program forward.

- We currently have three co-ops with aggressive programs geared towards increasing the amount of geothermal homes and businesses.

- By involving the utility, we have created an additional driver for ground source installs.

- By no means is this a guaranteed fix to increase numbers but definitely a good tool to have in the bag.
QUESTIONS?