Irrigation SIS

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Discussion Topics

- **SIS History**
- **What is SIS?**
- **SIS M&V**
- **BPA Reimbursement**

SIS History

Conservation greenest yet!

Region investing in SIS since 1981

Deployed Agrimet with USBR

Typically only one season

GWAMA Evaluation

10% Reduction of water application

Reduction of fertilizer cost

What is SIS?

Efficient application of water—right amount at the right time

How?

-ET Weather data (AgriMet, PAWS)

-Weekly in-field moisture monitoring

-Measurement of moisture applied

-Crop type, soil type, soil moisture content, and acreage

Savings = 80 to 250kWh/acre per year

BPA Reimbursement

1) SIS savings over the 3 years are limited to the smallest acreage out of the 3 years; and

2) the last year to start the SIS for CRC is the growing season of 2007.

BPA Reimbursement

3) BPA reimbursement is the lesser of $0.15/kWh of field specific site savings plus reduced line losses (~7.65 percent), not to exceed 70% of the total project cost.

BPA Reimbursement

4) Per the RTF, TRC capped at $13.50 for the first year and $6.00 for each of the second and third years (for measure O&M costs), for a total project cost of $25.50 per acre.

5) Reimbursement cap of 70% of the total project cost would be $17.85 per acre, or $5.95/year.

SIS M&V

BPA payment based on verified savings
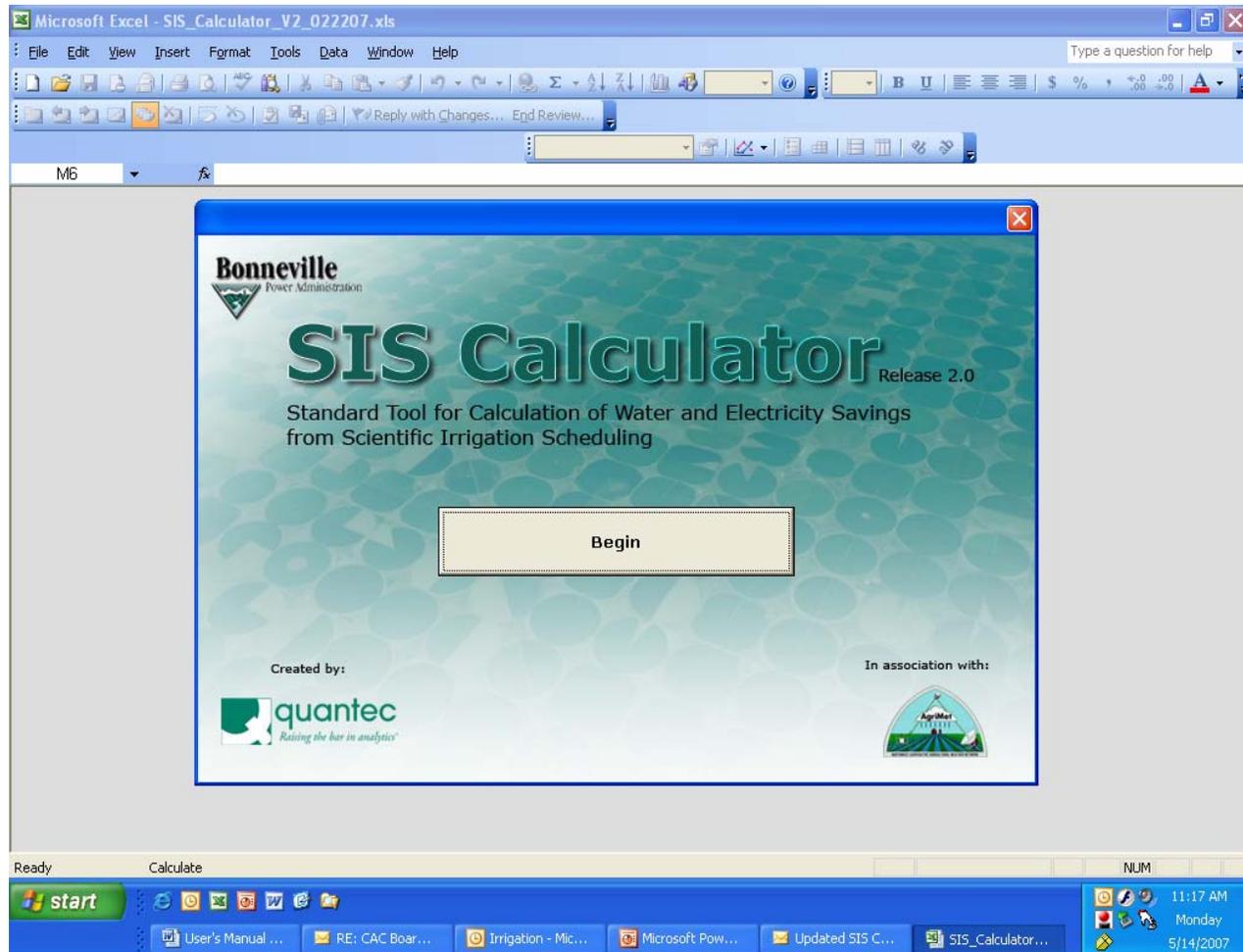
Verification method assumes 10% water savings

Required inputs such as crop type, lift, wx station, ET, acreage, etc

Spreadsheet posted on PTR website

Funding at $0.15 NTE 70% TRCost

SIS M&V

In Summary

BPA working with utilities on SIS

SIS is 3 year commitment (2007 last year)

Current enrollment over 100,000 acres

TRC is $25.50 for the measure

Payment capped at $0.15/kWh saved or 70% of TRC

M&V Calculator available

Need more info?

Call your EER

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