

**NMSU College of Agricultural, Consumer & Environmental Sciences**  
**2023 WINDMILL TECHNOLOGY CERTIFICATION Workshop**  
**May 31 – June 3, 2023**  
**NMSU Main Campus – Las Cruces, New Mexico**

**Wednesday, May 31st**

- 12:00** Registration
- 1:00** Welcome/Introductions, Workshop Agenda and Orientation – Rosencrans
- 1:30** Tower Climbing Safety 101/Wellhead Protection/Site Assessment - Runyan
- 3:00** Break
- 3:30** Touch on Windmill History – Peterson
- 4:00** Well Components-Well Construction/Lifting Checks/Cylinders – Rosencrans

**Thursday, June 1st**

- 7:00** Donuts, Bad Coffee and B.S.
- 8:00** Wind vs Sun – Alternative Solar Water Pumping – Schafer
- 9:00** Experiences Learned Working With Solar Pumps - Woodruff
- 10:00** Break
- 10:15** Tower Construction Options - Sykes
- 12:00** Lunch on your own
- 1:00** Job Site Scenario – Servicing a 500' well with a 14'/33' – Hayter & Woodruff
- 2:00** Windmill Motor Components and Functions – Dean & Mitchell
- 2:45** Break
- 3:00** Shop Laboratory – Hands-on Disassembly and Assembly(Motors/Wheels).  
Instructors will stay to provide instruction into the evening.
- 5:30** Dinner provided: Pulled, Beans & Potato Salad. Participants are encouraged to ask about their particular windmill interests and needs during this time.

**Friday, June 2nd**

- 7:00** Better Coffee/Snacks/Preparation for Field Exercise
- 8:00** Move to Field Site, Construct Tower and Install Motor
- 12:00** Lunch provided at field site
- 1:00** Continue with Windmill Installation until Completion

**Saturday, June 3rd**

- 8:00 – 12:00** How to Handle Trouble Areas/Restoring motors – Runyan & Mitchell