Workshop Presenters

- Phil Coffin  
  Blue Flint Ethanol

- Cliff Issendorf  
  Bottineau County farmer

- Jon Patch  
  director of water appropriations,  
  North Dakota State Water Commission

- Daryl Ritchison  
  NDSU, director of the North Dakota  
  Agricultural Weather Network (NDAWN)

- Bill Schuh  
  formerly with the North Dakota  
  State Water Commission

- Michael Shonka  
  Solar Heat and Electric Inc., Omaha, Neb.

- Greg Thykeson  
  Steele County farmer

- Robert Vivatson  
  Pembina County farmer

- Ryan Wiege  
  grain buyer for Red Trail Energy

- Gerry Zimmerman  
  Clay County, Minn., farmer

Requests for accommodations related to disability should be made to Tom Scherer at 701-231-7239 one week before the workshop.

Thursday, Dec. 5, 2019
Best Western Ramkota Inn  
Grand Pacific Room  
800 3rd St. S.  
Bismarck, N.D.
Welcome

This growing season has presented many challenges to farmers and irrigators. We had a cold spring that delayed planting, the northern-tier counties were dry and in drought until late July, and now the entire state is dealing with excess water during harvest.

Plan now to attend this irrigation workshop and be updated on current water resource issues, field-scale water management innovations, and energy from solar and bio-based sources as they apply to irrigation.

The Bismarck workshop is held in conjunction with the North Dakota Water Users Convention. The workshop agenda was developed by the North Dakota Irrigation Association and NDSU Extension. Along with the workshop, an exposition will have displays from irrigation equipment suppliers and other water supply industry representatives.

Workshop coordinators are:

- Tom Scherer
  NDSU Extension agricultural engineer
  701-231-7239  thomas.scherer@ndsu.edu

- Lance Gaebe
  North Dakota Irrigation Association
  701-223-4615  lgaeb@ndwater.net

- Julie Ellingson
  North Dakota Water Education Foundation
  701-223-8332  jellingson@ndwater.net

Bismarck Irrigation Workshop

Thursday, Dec. 5, 2019

North Dakota Water Users Convention
Best Western Ramkota Hotel  800 3rd St. S.  Grand Pacific Room

7:30-8:30 a.m.  Registration and Irrigation Exposition

8:30 a.m.
- PRESENS (Pushing REMote SENSors) to Measure Water Levels
  Jon Patch
- Water Storage Structures for Irrigation
  Bob Vivatson
- Recharging an Aquifer for Irrigation Water Storage
  Bill Schuh
- NDAWN (North Dakota Agricultural Weather Network)
  Daryl Ritchison

10-10:15 a.m.  Break

10:15 a.m.
- Subirrigation with an AGREM Tile System
  Cliff Issendorf
- Subirrigation with Limited Water
  Greg Thykeson
- Subirrigation in the Red River Valley
  Gerry Zimmerman

11:30 a.m.-
1:15 p.m.  Buffet Lunch
followed by the North Dakota Irrigation Association Annual Meeting

1:15 p.m.
- Solar-powered Pumping for Irrigation
  Michael Shonka

2 p.m.  Special Session: Irrigation and Bioenergy Production
- Blue Flint Ethanol
  Phil Coffin
- Red Trail Energy
  Ryan Wiege
- Additional presentation(s) (to be determined)

The workshop is sponsored by the North Dakota Water Users Association, North Dakota Irrigation Association and NDSU Extension.

The $30 registration fee (payable at the door) includes lunch, refreshment breaks and workshop materials.