

On-site Governor Training

Operations, Maintenance & Troubleshooting

WHO SHOULD ATTEND:

Mechanics
Electricians
Engineers
Operators
Supervisors
Consultants

WHAT YOU WILL LEARN:

Governor Basics
Theory of Operation
Calibration Methods
Testing Methods
Troubleshooting
Auxiliary Systems

CLASSES AVAILABLE FOR:

- Mechanical
- Analog
- Digital

GOVERNORS BY:

Woodward
Pelton
Allis-Chalmers
General Electric
Other OEM brands

AND ALL PLC-BASED
DIGITAL GOVERNORS
Any Type, Any Brand



American Governor Company offers comprehensive factory and on-site training classes, covering governor theory, operations, maintenance, and troubleshooting for all types of governors. Class agenda is tailored to suit your needs and specific equipment, and commonly includes a mix of classroom and hands-on training sessions. All our training classes are taught by experienced Governor Specialists who have both theoretical and practical knowledge.

Many of our trainers have decades of real-world hydro governor experience. On-site classes focus on your specific governor installation and your unique issues.

On-site training classes generally last 3 to 5 days, depending on the number of students and the amount of hands-on time desired. The hands-on sessions are especially powerful, as attendees get to see the theory learned in the classroom sessions applied to their own unit.

If you own more than one type of governor, several classes may be combined into one. For example, a Cabinet Actuator class may be combined with a Gateshaft class. More cost-effective than separate classes, a combined training class offers complete training for all the governor types in a powerhouse or project.

Typical Class Outline

1. Introduction To Governors (Governor 101)
 - A. Governor Terminology
 - B. Simplified Theory of Operation
 - C. Dynamics of the Water Column & The Rotating Equipment
2. Governor Operation With Zero Speed Droop
3. Governor Operation With Speed Droop
4. Governor Operation Connected To The Grid
5. Governor Theory
6. Governor Maintenance
7. Governor Calibration
8. Troubleshooting Techniques
9. Governor Oil Pressure Systems
 - A. Pumps
 - B. Pump Pilot Valve
 - C. Pump Unloader and Safety
 - D. Pump Lead/Lag Operation
 - E. Pressure Tanks (Air over Oil) & Float Valve
 - F. Calculation of Shutdown Oil Levels & Pressures
 - G. Governor Oil Selection & Cleanliness
10. Hands-On Sessions
11. Question & Answer Sessions



Class size will be limited to 30 people to maximize transfer of knowledge. Please register early to avoid disappointment. Register online or download a registration form at www.americangovernor.com. Completed forms can be emailed to school@americangovernor.com. Please call 215-354-1144 with any questions.

Class will be held at our Amherst Training Facility. Lodging available in Plover, WI. Transportation not provided.

Questions? Call your nearest Regional Office.

CORPORATE HEADQUARTERS

27 Richard Road
Ivyland, PA 18974
Phone: (215) 354-1144
Fax: (215) 354-1782
Email: info@americangovernor.com

NORTHWEST OFFICE

Contact: Roger Clarke-Johnson
Lori Bergren
Kirkland, WA
Phone: (425) 821-8076
Fax: (425) 821-4127
Email: rogercj@americangovernor.com
lorib@americangovernor.com

BRAZIL REGIONAL OFFICE

Contact: Suzane Frisselli
São Paulo, Brazil
Phone: +55 (11) 3449 0881
Fax: +55 (11) 3666 9016
Email: sfrisselli@americangovernor.com

MIDWEST TRAINING & REPAIR CENTER

Contact: Sara Karolus
Amherst, WI
Phone: (715) 824-3800
Fax: (715) 824-5979
Email: sarak@americangovernor.com

SOUTHEAST OFFICE

Contact: Alan Fox
Tandi Trent
Maynardville, TN
Phone: (865) 992-1123
Fax: (865) 992-2921
Email: alanfox@americangovernor.com
ttrent@americangovernor.com



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For more information, visit us on-line at www.AmericanGovernor.com