



# Sustainability & Energy Webinar Course

## The Microhydropower Technote

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1. Which two of the following are the basic categories of hydro turbines?
  - A) Flume
  - B) Draft tube
  - C) Closed conduit
  - D) Open channel
  
2. Which one of the following conditions is favorable for a grid-tied microhydro installation?
  - High head
  - Low flow
  - Variations in flow
  - Distant from an existing grid connection
  
3. When creating a new water diversion, considerations must include which of the following?
  - Endangered species
  - Water usage rights
  - Civil construction costs
  - All of the above
  
4. Which two of the following factors inhibited the development of small hydro at the Minnesota National Guards' AHATS facility (as they would any microhydro project)?
  - A) Long length of needed transmission lines to the grid
  - B) High flowrate
  - C) Extra cost of adapting to cycling discharge flowrates
  - D) Low friction losses of the existing discharge pipe material