Issues

1. Do we want to automatically create an account for a user who does not have an account on a HydroServer but then calls GetToken?
2. What to do if a user is not authorized to read all of the data series that a GetValues call would return?
   1. Example – what if a user calls GetValues for a SiteCode/VariableCode combination that has a restricted QualityControlLevel 0 data series and a public QualityControlLevel 1 data series? Should the restricted series return an error (not authorized), but the public series should be returned?
3. How do we notify data consumers that their authorization request has been approved or denied?
   1. Authorization requests must be approved by a person, so the request will not be approved automatically or immediately.
   2. We have no assurances that a HydroServer will be or will have access to an email server to send email notifications.
4. On metadata calls (e.g., GetSites, GetSiteInfo, GetVariables, GetVariableInfo), how will the WaterOneFlow web services figure out which metadata it can return?
   1. Example - a user may only be authorized to view metadata for a certain set of series, which may limit the sites returned, the siteinfo returned, etc.
5. Once a user account is created on a HydroServer, how do we enable users to retrieve or change their password (in case they have forgotten it).
6. Do we want to automatically queue authorization requests?
   1. What about authorization requests from unauthenticated users?
   2. What about GetValues requests that return some data but restrict others? Every time someone sends that GetValues call, an authorization request would be queued.