

Energy and Utilities Technical Working Group

9 November 2011

Meeting Notes

These meeting notes are provided as is and may be augmented or clarified by members of the group. The notes are not necessarily provided in the order they were discussed and likely contain errors as they are based on the memory of the writer.

Agenda

1. Available Energy Potential data for Idaho
2. Open Discussion from Group

Attendees

1. Brian Liberty Idaho Power
2. Bruce Tuttle Idaho Department of Water Resources
3. Dan P. Jensen Idaho National Lab
4. Dixie Booker-Lair Idaho Department of Lands
5. Randi Rich Avista Energy
6. Ryan McDaniel Idaho Department of Water Resources

Those at last meeting not at this meeting

1. Rod Collins Bureau of Land Management

Discussion

Dan introduced the Energy Potential data he had found and included with the meeting notice. The data could be categorized by media type as shown in the Past Work section of this document. Dixie Booker-Lair mentioned that she had obtained a list of energy development sites for Idaho for every type of renewable energy. The data is in a spread sheet and was provided to her by Idaho's Office of energy resources.

Discussion then turned to the variety of data involved with Energy. For example, on the Idaho Wind site were layers regarding wind project locations and wind speed. In September it was also mentioned that a layer for where wind towers could be built from each county could also be useful. The group discussed the need, as the beginning of a standard, to understand what different types of information would make up the energy potential layers. That evolved into a discussion about the need for framework leads for each of those framework layers identified in the Idaho Spatial Data Infrastructure or ISDI. Dan committed to approach others regarding participation in the group as a framework lead, particularly Charlla Adams of BSU.

The discussion turned to development of data exchange standards for the layers in the Energy Group. Though actual data is not anticipated to be gathered, it would be good to support a data exchange standard. But what would really have value, is if a single State of Idaho employee could be identified as the point of contact to receive data from utilities. This

contact would then be tasked with sharing the data with other state agencies according to the agreement that would allow such a data sharing between Utilities and the State. Dan committed to e-mail Bill Farnsworth regarding this role for the IGO and cc the rest of the group. Brian Liberty mentioned that it would be important to know what exactly the state agencies needed. The need for framework leads was as applicable in Utilities as it was in Energy.

Open discussion involved a recommendation to contact Dan Ames regarding a role as Solar Potential Framework lead. Ryan McDaniel joined the call and discussed his understanding that utility data is categorized as Unclassified-Official-Use-Only data. Dan asked Ryan to help the group understand the information he needed in his work and the level of detail that was required.

The meeting ended

Further Work

Dan to contact Charlla Adams and Dan Ames regarding framework lead roles.

Dan to e-mail Bill Farnsworth and cc group regarding data role for IGO.

Ryan McDaniel to document data required for his work and the level of detail needed. Ryan will present this at our next TWG meeting.

Next Meeting

Next meeting will be in either January or December. Watch your e-mail for more details.

Past Work

Dan provided the following list of energy potential layers

Energy Data Resource Categories

1. Downloadable data
2. Mapping applications
3. Map services
4. Paper\PDF Maps
5. Dashboards

Paper\PDF Maps

Wind Power Info for Idaho http://www.windpoweringamerica.gov/astate_template.asp?stateab=id

National Geothermal Potential http://www.nrel.gov/gis/images/geothermal_resource2009-final.jpg

State Geothermal Potential

<https://inlportal.inl.gov/portal/server.pt/community/geothermal/422/maps>

National Atlas http://nationalatlas.gov/articles/people/a_energy.html

Downloadable GIS Data

NREL GIS Data: <http://www.nrel.gov/gis/data.html>

Map Services

NREL Rest Services: <http://mapserve3.nrel.gov/ArcGIS/rest/services>

IGO Rest Services (Wind): <http://gis.idaho.gov/arcgis/rest/services>

IDWR Rest Services (Geothermal): <http://maps.idwr.idaho.gov/arcgis/rest/services>

NREL Soap (ArcMap) Services: <http://mapserve3.nrel.gov/ArcGIS/services>

IGO Soap (ArcMap) Services (Wind): <http://gis.idaho.gov/arcgis/services>

IDWR Soap (ArcMap) Services (Geothermal): <http://maps.idwr.idaho.gov/ArcGIS/services>

Mapping Applications

Idaho Wind Energy Map: <http://gis.idaho.gov/adm/windenergy/>

Idaho Geothermal Resources: <http://maps.idwr.idaho.gov/geothermal>

INL Virtual Renewable Energy Prospector: <http://gis-ext.inl.gov/vrep>

NREL Interactive Maps: <http://maps.nrel.gov/>

Thermal Springs: http://maps.ngdc.noaa.gov/viewers/hot_springs

Dashboards

OpenPV Project: <http://openpv.nrel.gov/index>

Though it was not discussed at the meeting Dan did contact IGO regarding the data on the Wind Power map and was encouraged to use the ArcMap service in order to utilize the data.