Jim Holeman of JRHoleman Consulting started the meeting stating that the meeting would be recorded and will be submitted to the Federal Energy Regulatory Commission (FERC) as part of the project record, and asked everyone to be sure to sign the attendance sheet.

Mr. Holeman explained that the purpose of the meeting is to initiate consultation with State and Federal agencies, Native American Tribes and the public to identify issues or concerns regarding the project.

Mr. Holeman introduced the project team Bruce Scanlon – Ochoco Irrigation District (OID) Manager, Brian Barney – Crook County Commissioner, Eric Klann – City of Prineville, Steve Forrester – City of Prineville, Kevin Crew – Black Rock Consulting, Inc., Marty Vaughn – Biota Pacific Consulting and himself, as well as the other affiliated agencies.

Mr. Holeman provided an overview of the meeting agenda.

Bruce Scanlon introduced himself and welcomed everyone to the meeting. Mr. Scanlon went through the project history beginning with that a hydropower project was previously studied by PGE for this site. OID filed for a preliminary permit on July 1, 2016 for a 4-megawatt hydropower project at the outlet of Bowman Dam. By December 22, 2016 FERC issued the preliminary permit with an expiration of December 1, 2019. OID will be requesting a two year extension of the permit to perform environmental studies and prepare an application for license for a major waterpower project of 5 MW or less. In October of 2018 OID distributed the pre-application document (PAD), a notice of intent to file and application for license, a request to use the traditional licensing process, a request for authorization to consult with U.S. Fish and Wildlife Service along with the National Marine Fisheries Service regarding Endangered Species Act Section 7, and a consult with the State Historic Preservation Officer (SHPO) in regards to the National Historic Preservation Act.

Mr. Scanlon continued with an overview of the FERC Orders and Approvals in February, 2019 that included an Order issued approving the use of the Traditional Licensing Process, authorization for OID as the Non-Federal Representative to conducted information consultations with Fish and Wildlife Serve, and National Marine Fisheries. FERC also authorized OID as the Non-Federal Representative to consult with SHPO regarding the National Historic Preservation Act.
Kevin Crew provided a project description and pictures that included a map of the area, and the proposed location of the power house near the bottom of the dam spillway. Existing features of Bowman Dam identified were a zoned earth embankment with a crest elevation of 3,264 feet, a 35 foot wide crest that is 800 feet long; maximum dam height of 240 feet and an unregulated spillway that has a capacity of up to 8,120 cubic feet per second. The intake structure is protected by a trashrack at the upstream toe of the dam on the north side of the original river channel, the intake structure is a 20 foot high hexagonal design and is at an elevation of 3,112 feet and has a level gauge pipe embedded in it. The intake sits on a 9 foot diameter pad with a 15 foot high vertical shaft with a 90 degree elbow that transitions to the 11 foot diameter tunnel located at an elevation of 3,080 feet. The outlet is an 11 foot diameter tunnel located upstream of a gate chamber, has an 11 foot modified horseshoe tunnel downstream of the gate chamber, a stilling basin that is shared with the spillway and a capacity of 3,300 cubic feet per second. The stilling basin shared with the outlet works and the spillway is designed to provide a hydraulic jump and is divided into three longitudinal sections made of concrete divider walls with a center section that provides the bay for the flow from the outlet releases.

Mr. Crew stated that the current dam operations are governed by Bureau of Reclamation. The Crooked River Collaborative Water Security and Jobs Act of 2014 established the upstream boundary of the Wild and Scenic River to ¼ mile below the center crest of the dam, specified that hydropower development shall not impede the free flowing nature of the river below the dam and requires any hydropower development to analyze project impacts in the ¼ mile reach below the dam. The Bowman Dam releases water to meet downstream water rights and irrigation demands, a minimum instream flow is provided to maintain aquatic resources and releases were established by the Act to meet water delivery obligations.

Mr. Crew provided the proposed project details that includes restoring the access road located at the southern end of the dam, install a valve chamber and 10 foot diameter penstock, the powerhouse will contain a 2 MW unit and 1 MW unit located on the south side of the spillway, there will be energy dissipation valve(s) with a connection to the existing CEC circuit and a distribution tap. The valve(s) will aerate and discharge the water. The 10 to 10 ½ foot diameter, 340 foot long pipe will bring the water down to two Francis turbins. Having two turbins will help with efficiency in varying flows and step up volts. The project will be a run of release operation which means it will not control reservoir levels or dam release rates.

Mr. Crew explained the need for power being based on Crook County growth increasing the demand for clean renewable energy and said that there is already energy being dissipated from the chamber and is a great sustainable resource. The project at 3 MW would generate approximately 15 GWH annually of clean renewable energy. Some other points regarding the dam is that the drainage area for this basin is 2,635 square miles and is a very large area, the property is Federal so the property there is Bureau of Land Management (BLM), U.S. Bureau of Reclamation has a reservation for the dam site, the dam was built in 1961, the data on the flow releases has been collected since 1975, and in a four year period we have seen flows from a 20 cfs to
3000 cfs, very rarely seen over 3300 cfs, the Security and Jobs Act bumped up from 20 cfs to 80 cfs when water is available, and so 90% of the time flows are between 80 cfs and 775 cfs.

Mr. Crew explained that this dam heavily disturbed materials there, and the powerhouse is going to be installed next to the energy dissipation area which will have some fairly tall walls next to it. They expect this material to be fairly well disturbed and then re-compacted material for the implementation of the wall and during the course will be adding geotechnical studies. The powerhouse foundation will be designed to withstand the load.

Marty Vaughn, biologist and studying environment resources on the project explained that this is going to be a low impact design and will be minor construction which will utilize existing areas that had already been disturbed in the past. There cannot be any changes to the existing reservoir and dam and the project will not interfere with existing use of the water or impede any future adjustments. They are hopeful to finish the Habitat Conservation Plan (HCP) with a few minor adjustments by the end of the year. He has been doing hydro licensing for about 40 years now and of all the projects he has seen, this is one of the least impactful. An old road will be re-established for access and any power lines will be using the existing corridor. There will not be any changes to the water quality or temperatures. There is an opportunity to reduce or eliminate total dissolved gasses (TDS’s) by plunging water which can be toxic to fishes. The project will not displace any fish habitat. Bowman Dam has always blocked fish passage. There are two ways to address this, either provide fish passage however economically would not allow the project to move forward. The other way would be to ask for a waiver from fish passage. The project would be able to provide other benefits to the habitat that does not currently exist. New plantings would be from the native plant list and the county maintains a noxious weed list. PGE already surveyed the project area in 2011 and do not anticipate any species being affected by the project. A wetlands delineation has already been done and we will re-verify the delineation. There is no historical significance to the dam other than the age, and will be consulting with SHPO through process. A visual impact will be present during construction, and will not be any changes afterwards. There is no impact to any socioeconomics. There is a recreational resource which will be addressed during the licensing application.

Mr. Holeman went over the planned project schedule, explaining that the 60 day comment period begins today and comments will be due by June 3, 2019. Any agency or public concerns or issues will be identified. There will be a series of meetings held to try to resolve any of those concerns or issues and any studies that will be needed will be covered during the licensing draft application process and comment period to submit final application.

Mr. Holeman talked about requests for studies and plans and that they should address the criteria outlined in CFR 18 § 5.9 (b) and went through the criteria. There is also a template available to request studies.

Mr. Holeman explained that there will be a lot of communications. There are many ways to stay informed about the project, by contacting Bruce Scanlon at OID, the
The meeting was opened up for questions and answers.

There were a couple of questions from the couple of people who attended the meeting.

No one else came forward.

The meeting adjourned at 6:26 P.M.