Spring 2019 WORKSHOP – Format 1 Agenda
St. Petersburg, Florida
April 7 – 10, 2019

Topics – Hydroelectric Productivity Committee

	Topic Title	Short Description
1	How is EUCG data being used by HPC members?	Two HPC members will describe how the EUCG cost and performance data is used within companies.
2	Enterprise Management, Project Management at Grand Coulee	The Bureau of Reclamation's Grand Coulee project is the largest conventional hydropower generation facility in the United States. In recent years there has been many capital investment projects undertaken and the session will provide the Bureau's approach to asset and management at this facility.
3	EUCG HPC - Remote Operations/ impact on plant OMA and performance – Survey Results	The results of the survey on Remote Operations/ impact on plant Operations, Maintenance and Administrative (OMA) expenses and performance will be provided and discussed.
4	2018 Safety Survey Results	The results of the 2019 Safety Survey (2018 Data) will be provided. Also, the leading indicators used by member companies will be provided.
5	Data Review Meeting Planning – July 9-11, 2019	This session will review the responsibilities of utility representatives and reporting guidelines in preparation for the HPC data review meeting that will be held in July.
6	Survey results on rehabilitation outages (cost, staffing, contracts, duration, scope etc.)	The results of the survey on rehablation outages conducted within the HPC during the first quarter of 2019 will be provided and discussed.
7	Testing & research at IREQ (Hydro Quebec)	This session will provide an overview of the Hydro Québec test and research facility.
8	Small Hydro Divestiture program at PG&E	PG&E has been evaluating its hydropower fleet and this session will provide the approach taken in determining the economic value of its hydropower assets and their future place in the generation portfolio.
9	Capital Investments vs Depreciation	Representatives from Hydro Québec and Pacific Gas & Electric will present its utilization of the HPC data for capital investment benchmarking.
10	Industry 4.0 Power House	Industry 4.0 is a name given to the current trend of automation, internet-based monitoring systems in manufacturing industries. This session will provide insight on its impact to hydropower generating facilities.
11	Study of the costs of cycling operations at Seattle City Light (SCL)	As a result of increased renewable (wind and solar) generation being installed on the grid, this has resulted in hydropower units being operated more cyclically. A SCL representative will describe their methodology in capturing these costs and the effects on generating equipment reliability.