



Portland General Electric Company
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Loretta I. Mabinton
Associate General Counsel

March 27, 2018

Via Electronic Filing

Oregon Public Utility Commission
Attention: Filing Center
PO Box 1088
Salem OR 97308-1088

Re: UM 1934 – PGE’s 2018 Request for Proposals for Renewable Resources-Errata Appendix H

Attention Filing Center:


Enclosed for filing please find an errata to Portland General Electric Company’s (“PGE”) 2018 Request for Proposals for Renewable Resources filed on March 9, 2018 in Docket UM 1934. Upon further review of the filing, PGE discovered that Appendix H was incomplete. Three (3) tables to Appendix H were inadvertently omitted. These tables are: Exhibit A titled “Permitting Threshold Requirements”, “Major Permit Identification by Technology”, and “Major Equipment Preferred Vendors”. These tables were included in PGE’s 2018 RFP Pre-Issuance Draft Appendix H, but were inadvertently omitted from PGE’s 2018 RFP Final Draft Submission Appendix H. There have been no amendments to these tables between the Pre-Issuance draft and this filing.

PGE has now included these tables to its procurement website at <https://www.portlandgeneralrfp2018.com/documents/>.

In light of the inadvertent omission identified above, PGE requests that the enclosed four pages be included as pages 17A, 17A-1,17B, and 17C to Appendix H.

If you have any questions regarding this filing, please contact me at (503) 464-7822 or Jimmy Lindsay at (503) 464-8311. Thank you for your assistance in this matter.

Sincerely,


Loretta Mabinton
Associate General Counsel

LM:sj

Enclosure

EXHIBIT A

Permitting Threshold Requirements

Permits - Required by....(if applicable to the specific project)	Wind	Solar	Geothermal	Hydro / Pumped Storage	Biomass	Notes
Detailed Plan for Obtaining All Major Permits Required (w/schedule)	Bid	Bid	Bid	Bid	Bid	
State/local siting permit (e.g. site certificate, conditional use permit)	Award	Award	Award	Bid	Award	Hydro: Applicable permits/certificates will be addressed in EIS.
Federal siting permit (e.g. NEPA Record of Decision for construction*, FERC License or final EIS from FERC) <i>*This does not include NEPA for an Eagle Take Permit</i>	Award	Award	Award	Bid	Award	For Hydro, a final EIS from FERC is also acceptable if a project does not have a license. Once a project has a final EIS, a license will typically follow within in 6 months.
Air quality permit (e.g. ACDP)	N/A	N/A	N/A	N/A	Award	
FCC permit	Award	Award	Award	Award	Award	For communication path interference
FAA permits	CP	Award	N/A	Award	Award	Wind is CP only since FAA permit needed for every WTG for its exact location, which may not be available until detailed design is completed
Airspace and Obstacle Evaluation Analysis	Bid	N/A	N/A	N/A	N/A	
Water rights	N/A	N/A	Award	Bid	Award	
Wastewater discharge permit (e.g. NPDES, WPCF)	N/A	Award	Award	N/A	Award	Only permits that are critical for operation (e.g. does not apply to septic system permits)
Construction Permits (NPDES - 1200 C, etc.)	Award	Award	Award	Award	Award	Not critical, but highly preferable
Removal Fill Permits (DSL and Corp)	Award	Award	Award	Award	Award	Wetlands and in-water work
Eagle surveys finished or nearly finished	Bid	Bid	Bid	Bid	Bid	Should be within 1 month of completion at bid and follow appropriate USFWS guidelines; surveys are a 2 year process

EXHIBIT A

Federal ESA surveys completed	Bid	Bid	Bid	Bid	Bid	Surveys require long lead time; if there are impacts, consultation requires more time and could end project if no federal nexus exists. These surveys include critical habitat surveys, which are no longer part of site certificate.
Cultural Resources Surveys	Bid	Bid	Bid	Bid	Bid	Cultural surveys with subsequent agency consultation requires some lead time. For projects that do not have a federal nexus, it may be comprised within an EFSC permit. If project area is on public lands, additional permit may become necessary. If adverse impacts are noted, this may delay project- so while ideally we could wait until award, it is better to have the surveys underway at least by bid time.
Tribal coordination (Traditional Use Studies. Traditional Cultural Properties)	Bid	Bid	Bid	Bid	Bid	Tribal consultation should have begun by time of bid and if Tribes have any major concerns, they should be made known.
Misc: Dikes, Scenic Areas, Local Requirements						As needed basis
Key:						
Bid - Must be approved by bid submittal date						
Award - Must be approved by bid award date						
CP - Must be approved as a condition precedent in the definitive agreement(s)						
N/A - Not applicable						

EXHIBIT A

2018 Renewable RFP - Major Permit Identification by Technology

Wind	Solar	Geothermal	Hydro / Pumped Storage	Biomass
Federal and State and Local Permitting	Federal and State and Local Permitting	Federal and State and Local Permitting	Construction Permit	Federal and State and Local Permitting
FCC Permit	FAA Permit	Water Rights	Removal Fill Permit, if appropriate	Air Permit
		Wastewater Permit		Water Rights
				Wastewater Permit

Local permits include Conditional Use Permit and Zoning Permit

EXHIBIT A

2018 Renewable RFP Major Equipment Preferred Vendors

Substation Main Power Transformer	GSU Pad-mount Transformers	Photovoltaic Inverters	Photovoltaic Modules	Wind Turbine Generators
ABB, Varennes, Canada shop	ABB	SMA	JA Solar	General Electric
ABB, St. Louis, Missouri shop	CG Power Systems USA	Power Electronics	Trina Solar	Siemens Gamesa
ABB, Bad Honnef, Germany shop	General Electric	TMEIC	Jinko	Vestas
ABB, South Boston, Virginia shop	Cooper Power Systems	Eaton	Canadian Solar	Nordex/Acciona
HICO, ChangWon, South Korea shop	Siemens	General Electric	Hanwha Q-Cells	
Hyundai, Montgomery, Alabama shop	Pacific Crest Transformers	ABB	First Solar	
Hyundai, Ulsan, South Korea shop			Sunpower	
Smit, Nijmegen, The Netherlands shop			Kyocera	
SPX Waukesha, Waukesha, Wisconsin shop			LG	
EFACEC, Arroteia, Portugal shop			REC	
Siemens, Guanajuato, Mexico shop				
GE Prolec, Monterrey, Mexico shop				
Shihlin, Taipei, Taiwan shop				