BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

Order Instituting Investigation into the Creation of a Shared Database or Statewide Census of Utility Poles and Conduit in California.	Investigation 17-06-027
And Related Matters.	Rulemaking 17-06-028 Rulemaking 17-03-009

ASSIGNED COMMISSIONER AND ASSIGNED ADMINISTRATIVE LAW JUDGE'S RULING REQUESTING COMMENTS ON CREATION OF SHARED, STATEWIDE DATABASE OF UTILITY POLE AND CONDUIT INFORMATION

The assigned Commissioner and assigned Administrative Law Judge have reviewed the Comments of the Parties in Investigation17-06-027, both written and made at the December 5, 2017 Prehearing Conference in this matter, relative to the possible creation of a shared, statewide database of utility pole and conduit information.

Attached as Appendix A is a proposal that Commission staff put together that relates to the data fields that might be useful to industry participants and the Commission, from safety, competition, and access perspectives. We invite the parties' input about the following:

1. The utility and completeness of the attached list;

2. Whether any information categories should be treated as confidential, the extent of that confidentiality, as well as the legal basis for each confidentiality claim;

3. The data fields that are most essential to accomplish the safety and competition/access goals set forth in the Order Instituting Investigation Order Instituting Rulemaking;

4.   Whether each pole owner should be responsible for maintaining and providing access to its own database, or whether a third party facilitator should be responsible for maintaining one global database;

5.   The manner in which the database should be shared. The parties may also submit any additional or alternative data fields, proposals, or any more precise formulation of the data fields listed in Appendix A.

Comments on this proposal should be filed on or before February 8, 2018.

Therefore, **IT IS RULED** that Parties shall file and serve comments in response to this Ruling on or before February 8, 2018.

Dated January 11, 2018, at San Francisco, California.

/s/ MICHAEL PICKER	/s/ ROBERT M. MASON, III
Michael Picker	Robert M. Mason, III
Assigned Commissioner	Administrative Law Judge

Appendix A

Subgroup	Variable in System	Description of Variable	Pulled from existing utility DBs, as reported to CPUC in 2017
Basic I.D. and Contact Info	Pole number	Pole Number (Integer)	x
	Pole Owner #1	Pole Owner #1 (Descriptor)	
	Pole Owner #2	Pole Owner #2 (Descriptor)	
	Pole Owner #N	Pole Owner #N (Descriptor)	
	Emergency Contact Number	Who to contact for emergencies (Phone Number/Email)	
	Routine Maintenance Contact Number	Who to contact for maintenance (Phone Number / Email)	
	Owner Contact Information	Contact Number for Pole Owner(s) (Phone Number / Email)	
	Pole Tag	Pole Tag (Integer)	x
	Ownership Type	Solely/Joint Owned? (Binary)	x
	Description	Other Details of Pole (Descriptor)	x
Location	Latitude	Latitude (Integers)	x
	Longitude	Longitude (Integers)	x
	Address 1	Address 1 (Descriptor)	x
	Address 2	Address 2 (Descriptor)	x
	City	City (Descriptor)	x
	Street	Street (Discriptor)	x
	Zip	Zip Code (Integer)	x
	Region	Overarching Region of Pole (Descriptor/Integer)	
	Fire Threat Zone	0 - No Fire Threat 1 - Fire Threat Zone 1 2 - Fire Threat Zone 2 3 - Highest Risk Fire Area	
Pole Attributes	Age	Age of Pole (When first set) (Integer)	x
	Pole Height	Total Pole Height (Integer)	x
	Pole Height Above	Pole Height Above Ground (Integer)	
	Pole Height Below	Pole Height Below Ground (Integer)	
	Material	Material of the Pole (Descriptor)	x
	Foundation Type	What kind of Foundation? (Descriptor)	x
	Species	Wood Species of the Pole (Descriptor)	x
	Entire Length	Length of the Pole, Including Pole Top Attachments (Integer)	x
	Manufacturer	Manufacturer of the Pole (Descriptor)	x
	Year Manufactured	Year Manufactured (Integer)	x
	Pole Class	Pole Class (1, 2, 3, 4, or 5)	x

Attributes			
Attributes	Original Treatment	Original Treatment of the Pole (Descriptor)	x
	Original GL Cir.	Original Ground Level Circumference (Integer)	x
	Effective GL Cir.	Effective Ground Level Circumference (Integer)	x
	Percent Capacity Remaining	% Capacity Remaining (Percentage)	x
	Percent Pole Strength Remaining	% Pole Strength Remaining (Percentage)	x
	% Accuracy of Pole Strength	How accurate are the measurements for Pole Strength(Percentage)	
	Pole Stub Number	Pole Stub Number (Integer)	x
	Date Last Replaced	Date Pole Last Replaced (Date)	x
	Last Photo	Most Recent Photograph of the Pole (Picture)	
	Count, Trusses	Number of Trusses (0, 1, 2, or N)	x
	Elevation	Elevation of Pole (Integer)	x
Inspection	Inspection Date	Date of inspection(s) (Date)	x
	Intrusive Test	Date of Intrusive Test(s) (Date)	x
	Test Result	Result of Intrusive Test(s) (Date)	
	GO 95 Vegetation Condition	What is the condition of vegation around the pole? (Descriptor)	
	Date of GO 95 Vegtation Inspection	Date of Last Vegetation Inspection (Date)	
	Tree Trimming History	History of Tree Trimming (Date)	
	Pole Schematics	Blueprints of the Pole (PDF or Image)	
	Next Inspection Date	Date of Next Inspection (Date)	
	Drone Inspection	Was the Inspection done by Drone? (Y/N)	
	GO 95 General Inspection	Date of Next GO 95 General Inspection (Date)	
	GO 95 High Fire Inspection	Date of Last GO 95 Fire Inspection (Date)	
	Project Number	The most recent project and/or work order number (Integer)	x
	Date of Calculation	Date of Loading Calculation(s) (Date)	x
	Calcultion Performed By	Who Performed Loading Calculation(s) (Descriptor)	x
	Calculation Software	Calculation Software Used (Descriptor)	x
	Date of Work	Work Date(s) (Date)	x
	Pole Replacement	Is the Pole to be Replaced and When? (Y/N) and (Date)	x
	Installation Date	Date of Pole Installation (Date)	x
	Job Name	Job Name (Integer)	x
	Make-Ready Scheduled?	Is Make-Ready Work scheduled? (Y/N)	

Work	Make-Ready Status	How far along is the Make-Ready Work? (Descriptor or Integer Days)	
	Make-Ready Reqs	Requirements to be met prior to Make-Ready (Descriptor)	
	Make-Ready Due Date	Due Date of Make Ready Work (Date)	
	Photos Before/After MR	Photos before and after Make Ready Work (Photo)	
	Date of Authorization	When the Pole Replacement was Authorized (Date)	
	Date of Pole Replacement Completion	When Construction on the Pole was Completed (Date)	
	Drone Work	Work Done on Pole via Drone? (Y/N)	
	Buddy Pole	Is the Pole Currently a Buddy Pole? (Y/N)	
Ownership, Rate Case, and Records Attributes	Date Created	Date Entry(ies) Created (Date)	x
	Date Modified	Date Entry(ies) Modified (Date)	x
	Comments	Comments Regarding Pole, Pole Work, or other pertinent details about the Pole (Descriptor)	x
	Appliction Number	Application Number (Integer)	x
	Telco Owner %	% Owned by Telco (Percentage)	x
	IOU or Other Owner	% Owned by Other Co's (Percentage)	x
	Telco Lease %	% Leased by Telco (Percentage)	
	IOU LEASE %	% Leased by IOU and Other Co's (Percentage)	
	JPA (unrelated to the physical characteristics of the pole)	JPA (NCJPA/SCJPC/NO JPA) (Trinary)	x
	Pole Entered into Rate Base	Date when the Pole was Entered into the Rate Base (Date)	
	Replacement Authorized in Rate Case	Date when the Pole Replacement was Authorized in Rate Case (Date)	
	Attacher 1	Attacher (Descriptor)	
	Attacher 2	Attacher (Descriptor)	
	Attacher 3	Attacher (Descriptor)	
	Attacher 4	Attacher (Descriptor)	
	Attacher N	Attacher (Descriptor)	
	Issuer of Permit 1	Issuer of Permit for Attachment (Descriptor)	
	Issuer of Permit 2	Issuer of Permit for Attachment (Descriptor)	
	Issuer of Permit 3	Issuer of Permit for Attachment (Descriptor)	
	Issuer of Permit 4	Issuer of Permit for Attachment (Descriptor)	
	Issuer of Permit N	Issuer of Permit for Attachment (Descriptor)	
	Date of Permit 1 Issuance	Date of Permit Issuance (Date)	

Date of Permit 2 Issuance	Date of Permit Issuance (Date)	
Date of Permit 3 Issuance	Date of Permit Issuance (Date)	
Date of Permit 4 Issuance	Date of Permit Issuance (Date)	
Date of Permit 5 Issuance	Date of Permit Issuance (Date)	
Facility ID No.	Idenitifcation Number of Attachment (Integer)	x
Attachment 1 Type	(Free, mainline, overlash, power supply, service drop, svc drop & free attch, wireless, copper, crossbox, DLC, fiber, load coil, repeater, strand, terminal, and/or antenna) (Descriptor)	x
Attachment 2 Type	(Free, mainline, overlash, power supply, service drop, svc drop & free attch, wireless, copper, crossbox, DLC, fiber, load coil, repeater, strand, terminal, and/or antenna) (Descriptor)	
Attachment 3 Type	(Free, mainline, overlash, power supply, service drop, svc drop & free attch, wireless, copper, crossbox, DLC, fiber, load coil, repeater, strand, terminal, and/or antenna) (Descriptor)	
Attachment 4 Type	(Free, mainline, overlash, power supply, service drop, svc drop & free attch, wireless, copper, crossbox, DLC, fiber, load coil, repeater, strand, terminal, and/or antenna) (Descriptor)	
Attachment N Type	(Free, mainline, overlash, power supply, service drop, svc drop & free attch, wireless, copper, crossbox, DLC, fiber, load coil, repeater, strand, terminal, and/or antenna) (Descriptor)	
Height of Attachment 1	Height of Attachment on Pole (Integer)	x
Height of Attachment 2	Height of Attachment on Pole (Integer)	
Height of Attachment 3	Height of Attachment on Pole (Integer)	
Height of Attachemnt 4	Height of Attachment on Pole (Integer)	
Height of Attachment N	Height of Attachment on Pole (Integer)	
Attachment Space 1	Footage Taken Up by Attachment (Integer)	x
Attachment Space 2	Footage Taken Up by Attachment (Integer)	
Attachment Space 3	Footage Taken Up by Attachment (Integer)	

Attachments	Attachment Space 4	Footage Taken Up by Attachment (Integer)	
	Attachment Space N	Footage Taken Up by Attachment (Integer)	
	Attachment 1 Windload	Windload Added by Attachment(Integer)	
	Attachment 2 Windload	Windload Added by Attachment(Integer)	
	Attachment 3 Windload	Windload Added by Attachment(Integer)	
	Attachment 4 Windload	Windload Added by Attachment(Integer)	
	Attachment N Windload	Windload Added by Attachment(Integer)	
	Cable Size 1	Size of Cable for Attachment (Integer)	x
	Cable Size 2	Size of Cable for Attachment (Integer)	
	Cable Size 3	Size of Cable for Attachment (Integer)	
	Cable Size 4	Size of Cable for Attachment (Integer)	
	Cable Size N	Size of Cable for Attachment (Integer)	
	Attachment Calc 1	Pole Loading Calculation for Attachment (Integer/Percentage)	
	Attachment Calc 2	Pole Loading Calculation for Attachment (Integer/Percentage)	
	Attachment Calc 3	Pole Loading Calculation for Attachment (Integer/Percentage)	
	Attachment Calc 4	Pole Loading Calculation for Attachment (Integer/Percentage)	
	Attachment Calc N	Pole Loading Calculation for Attachment (Integer/Percentage)	
	Attachment Installation Date 1	Date of Attachment Installation (Date)	
	Attachment Installation Date 2	Date of Attachment Installation (Date)	
	Attachment Installation Date 3	Date of Attachment Installation (Date)	
	Attachment Installation Date 4	Date of Attachment Installation (Date)	
	Attachment Installation Date N	Date of Attachment Installation (Date)	
	Permit for Attachment 1	Name of Attachment Permit (Descriptor)	x
	Permit for Attachment 2	Name of Attachment Permit (Descriptor)	
	Permit for Attachment 3	Name of Attachment Permit (Descriptor)	

Permit for Attachment 4	Name of Attachment Permit (Descriptor)	
Permit for Attachment N	Name of Attachment Permit (Descriptor)	
Location Description Code Attachment 1	Space on the Pole Where Installed [Communications, Common, Supply, Pole Top, Side-mounted with standoff, etc.] (Descriptor)	
Location Description Code Attachment 2	Space on the Pole Where Installed [Communications, Common, Supply, Pole Top, Side-mounted with standoff, etc.] (Descriptor)	
Location Description Code Attachment 3	Space on the Pole Where Installed [Communications, Common, Supply, Pole Top, Side-mounted with standoff, etc.] (Descriptor)	
Location Description Code Attachment 4	Space on the Pole Where Installed [Communications, Common, Supply, Pole Top, Side-mounted with standoff, etc.] (Descriptor)	
Location Description Code Attachment N	Space on the Pole Where Installed [Communications, Common, Supply, Pole Top, Side-mounted with standoff, etc.] (Descriptor)	
Pole Attachment Orientation 1	Orientation of Attachment on the Pole (Direction facing, etc.) (Descriptor)	
Pole Attachment Orientation 2	Orientation of Attachment on the Pole (Direction facing, etc.) (Descriptor)	
Pole Attachment Orientation 3	Orientation of Attachment on the Pole (Direction facing, etc.) (Descriptor)	
Pole Attachment Orientation 4	Orientation of Attachment on the Pole (Direction facing, etc.) (Descriptor)	
Pole Attachment Orientation N	Orientation of Attachment on the Pole (Direction facing, etc.) (Descriptor)	
Sensor	Is there a Sensor on the Pole? (Y/N)	
Sensor 1	Nature of Sensor (Descriptor)	
Sensor 2	Nature of Sensor (Descriptor)	
Sensor 3	Nature of Sensor (Descriptor)	
Sensor 4	Nature of Sensor (Descriptor)	
Sensor N	Nature of Sensor (Descriptor)	
Status of Sensor 1	Current Status of Sensor (Descriptor)	

	Status of Sensor 2	Current Status of Sensor (Descriptor)	
	Status of Sensor 3	Current Status of Sensor (Descriptor)	
	Status of Sensor 4	Current Status of Sensor (Descriptor)	
	Status of Sensor N	Current Status of Sensor (Descriptor)	
	Attachment Signage 1	Is there Signage on the Attachment? (Y/N)	
	Attachment Signage 2	Is there Signage on the Attachment? (Y/N)	
	Attachment Signage 3	Is there Signage on the Attachment? (Y/N)	
	Attachment Signage 4	Is there Signage on the Attachment? (Y/N)	
	Attachment Signage N	Is there Signage on the Attachment? (Y/N)	
	Attachment Signage 1 Installment Status	Status of Signage on Attachment (Descriptor)	
	Attachment Signage 2 Installment Status	Status of Signage on Attachment (Descriptor)	
	Attachment Signage 3 Installment Status	Status of Signage on Attachment (Descriptor)	
	Attachment Signage 4 Installment Status	Status of Signage on Attachment (Descriptor)	
	Attachment Signage N Installment Status	Status of Signage on Attachment (Descriptor)	
	Attachment on Pole	Are there Attachements on the Pole (Transmission Only, etc.?)	x
	No. of Attachment	Quantity of Attachments (0, 1, 2, 3, 4, or N)	x
	Top Extension	Is there a Pole Top Extension? (Y/N)	x
	Antennae	Are there Antennae on the Pole? (Y/N)	
	Count, Antennae	Number of Antennae on the Pole (0, 1, 2, 3, N)	
	RFID Tag	Is there a RFID Tag? (Y/N)	
	End Pole	Is the Pole an End/Start Node/Point? (Y/N)	
	Transformer	Is there a Transformer on the Pole? (Y/N) [Please Indicate If listed as Attachment as Above]	
Smart Grid Attachments	Number of Smart Grid Antennae	Number of Smart Grid Antennae (0, 1, 2, 3, N)	
	Number of Fiber or Other Wires	Number of Fiber or Other Wires to Support Smart Grid (0, 1, N)	
	Power Supply	Number of Microgrid Devices (0, 1, 2, 3, N)	

	Number of SCADA, microgrid controllers, or other devices attached	Number of SCADA, Microgrid, or other Devices attached (0, 1, 2, 3, N)	
	Wind load	Windload Added by each Smart Grid Attachment(Integer)	

	Number of SCADA, microgrid controllers, or other devices attached	Number of SCADA, Microgrid, or other Devices attached (0, 1, 2, 3, N)	
	Wind load	Windload Added by each Smart Grid Attachment(Integer)	

New Data Fields Suggested by Staff
x
x
x
x
x
x
x
x
x
x

(End of Appendix A)