1	BEFORE THE ARIZONA POWER PLANT AND TRANSMISSION LINE SITING COMMITTEE
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3	IN THE MATTER OF THE APPLICATION OF
4	SALT RIVER PROJECT AGRICULTURAL Docket No. L-00000B-21-0322-00195
5	IMPROVEMENT AND POWER DISTRICT, IN CONFORMANCE WITH THE Case No. 195
6	REQUIREMENTS OF ARIZONA REVISED STATUTES, SECTIONS 40-360, et. seq., FOR A
7	CERTIFICATE OF ENVIRONMENTAL CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AUTHORIZING THE ENVIRONMENTAL
8	CONSTRUCTION OF AN OVERHEAD DOUBLE-CIRCUIT 230 KV TRANSMISSION
9	LINE FROM THE EXISTING HENSHAW SUBSTATION TO INTEL'S OCOTILLO
10	CAMPUS, A NEW RS-28 SUBSTATION TO BE CONSTRUCTED ON INTEL'S OCOTILLO
11	CAMPUS, AND AN OVERHEAD TRANSITION CORRIDOR AT THE EXISTING SCHRADER
12	SUBSTATION, ALL WITHIN THE CITY OF CHANDLER, MARICOPA COUNTY,
	ARIZONA.
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14	A. INTRODUCTION.
15	Pursuant to notice given as provided by law, the Arizona Power Plant and
16	Transmission Line Siting Committee (Committee) held a public hearing on November 8
17	through November, 2021 in Chandler, Arizona, in conformance with the requirements
18	of Arizona Revised Statutes (A.R.S.) §§ 40-360, et seq., for the purpose of receiving
19	evidence and deliberating on the application (Application) of Salt River Project
20	Agricultural Improvement and Power District (Applicant or SRP) for a Certificate of
21	Environmental Compatibility (Certificate) in the above-captioned case.
22	The following members and designees of members of the Committee were present
23	at one or more of the hearing days for the evidentiary presentations, public comment,
24	and/or the deliberations:
25	Paul A. Katz Chairman, Designee for Arizona Attorney General Mark
26	Brnovich
20	Zachary Branum Designee of the Chairman, Arizona Corporation Commission (Commission)
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1	Leonard C. Drago	Designee for Director, Arizona Department of Environmental Quality
2	John R. Riggins	Designee for Director, Arizona Department of Water Resources
3 4	Mary Hamway	Appointed Member, representing incorporated cities and
5	Rick Grinnell	towns Appointed Member, representing counties
6	James Palmer	Appointed Member, representing agricultural interests
7 8	Jack Haenichen	Appointed Member, representing the general public
9	Margaret "Toby" Little	Appointed Member, representing the general public
10	Karl Gentles	Appointed Member, representing the general public

The Applicant was represented by J. Matthew Derstine of Snell and Wilmer, LLP,
and by Karilee Ramaley of SRP. The City of Chandler joined as a party pursuant to A.R.S.
§ 40-360.05 and was represented by Jeffrey W. Crockett of Crockett Law Group, PLLC,
and Kelly Schwab of the City of Chandler. The following parties were granted intervention
pursuant to A.R.S. § 40-360.05: The Reserve at Fulton Ranch Homeowners' Association,
Pinelake Estates Homeowners' Association and Southshore Village Homeowners'
Association, all represented by Meghan Grabel of Osborn Maledon, P.A.

At the conclusion of the hearing, the Committee, after considering the (i) Application, (ii) evidence, testimony and exhibits presented by Applicant and interveners, and (iii) comments of the public, and being advised of the legal requirements of A.R.S. §§ 40-360 through 40-360.13, upon motion duly made and seconded, voted X to X to grant/deny the Applicant, its successors and assigns, this Certificate for construction of the High-Tech Interconnect Project as described below.

24 **B. PROJECT OVERVIEW.**

The High-Tech Interconnect Project (the Project) is being developed to serve the increased energy demands of Intel Corporation by interconnecting a new substation on the Intel Campus (RS-28 Substation) to SRP's existing Henshaw Substation and Schrader

1	Substation with new double-circuit and single-circuit 230 kV transmission lines, all located
2	within the City of Chandler, Arizona.
3	The Project consists of both aboveground and underground transmission line
4	segments, but only the aboveground transmission line segments of the Project, together
5	with the RS-28 Substation, were presented to the Committee for consideration pursuant to
6	A.R.S. §40-360(10). The components of the Project covered by the Application and this
7	Certificate (CEC Project Components) consist of the following:
8	• Henshaw Substation to RS-28 Substation. A double-circuit 230 kV
9	transmission line and structures constructed from the Henshaw Substation along
10	Old Price Road to the RS-28 Substation on Intel's Ocotillo Campus;
11	• New RS-28 Substation. The RS-28 Substation constructed on the Intel Campus;
12	and;
13	• Schrader Substation to the Underground Transition. Two independent single-
14	circuit 230 kV transmission lines and structures constructed to permit the
15	interconnection of the new lines on the east side of the Schrader Substation that
16	will follow one of three alternative route options to reach the point at which the
17	new 230 kV lines will be constructed underground.
18	C. DESCRIPTION OF CEC COMPONENTS.
19	The components of the Project presented to the Committee in the Application and
20	[approved] by this Certificate are described in detail below:
21	Henshaw Substation to RS-28 Substation.
22	The first CEC Project component consists of a new double-circuit 230 kV
23	transmission line that travels south from the existing Henshaw Substation along Old Price
24	Road for 2.74 miles to a point on the western boundary of Intel's Ocotillo Campus where it
25	will transition to an underground line and interconnect with the new RS-28 Substation,
26	located roughly 0.3 miles east of Old Price Road.
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The new double-circuit 230 kV transmission line will be constructed within a
 corridor that extends 200 feet east of the Gila River Indian Community boundary along Old
 Price Road. The transmission line will be constructed in an 80-foot-wide easement to be
 obtained from private landowners and the City of Chandler.

5 The Henshaw Substation to RS-28 Substation project components are more fully
6 described on Exhibit "A".

The RS-28 Substation

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8 The second CEC Project component consists of a new RS-28 Substation and 9 associated transmission lines and structures. The RS-28 Substation will be located on 10 approximately 23 acres of land on the Intel Ocotillo Campus east of Old Price Road and 11 north of the Chandler Heights Road. The substation will be enclosed by a 12-foot tall 12 decorative, masonry wall around the entire perimeter. The approximate size and location of 13 the RS-28 Substation are shown on Exhibit A.

Schrader Substation to Underground Transition

The final CEC Project component consists of two new overhead single-circuit 230
kV transmission lines or circuits that will be constructed to interconnect to the Schrader
Substation at the 230 kV bays located on the east side of the Schrader Substation.

Circuit One - Southern Boundary to the West or East. The first 230 kV circuit 18 (Circuit One) will be constructed to interconnect to one of the open 230 kV bays on the 19 east side of the Schrader Substation. Circuit One will be constructed (1) utilizing one riser 20 structure where Circuit One transitions to underground construction within the Schrader 21 Substation and follows the southern boundary of the Schrader Substation to the west where 22 23 it will exit the Schrader Overhead Transition Corridor and be constructed along the Union Pacific Railroad (UPRR) as shown on Exhibit B-1; or (2) if SRP is unable to secure the 24 necessary right-of-way (ROW) to follow the UPRR, Circuit One will exit to the east where 25 it will be constructed utilizing one riser structure where it will transition to underground 26 27

construction within the Schrader Substation and follow the East Route Option as shown on
 Exhibit B-2.

3 Circuit Two - Northern Boundary to the West or East Route Option. The second 230 kV circuit (Circuit Two) will be constructed as one of the following two options: (1) 4 The first option would consist of an aboveground transmission line that will be co-located 5 with the existing Santan to Corbell 230 kV transmission line approved in Decision No. 6 7 59791 as modified by Decision No. 60099 (Corbell to Schrader alignment) where the two circuits would be constructed as an above ground, double-circuit 230 kV transmission line 8 on monopole structures. The new double-circuit 230 kV transmission line would continue 9 along the existing ROW for the Corbell to Schrader alignment within the Schrader 10 Overhead Transition Corridor to the point that it will transition to underground 11 12 construction at or near the western edge of the Schrader Overhead Transition Corridor where it will join Circuit One along the UPRR as shown on Exhibit B-1; or (2) if SRP is 13 unable to secure the necessary right-of-way (ROW) to follow the UPRR, Circuit Two will 14 exit to the east where it will be constructed utilizing one riser structure where it will 15 transition to underground construction within the Schrader Substation and follow the East 16 Route Option as shown on Exhibit B-2. 17

18 D. ADDITIONAL APPROVALS

19 The approval to co-locate Circuit Two with the Corbell to Schrader alignment under 20 the terms of this Certificate as outlined above shall be deemed to amend Decision No. 21 59791 and Decision No. 60099 to authorize the reconstruction of the Corbell to Schrader 22 alignment within the existing ROW as a double-circuit 230 kV transmission line inside the 23 Schrader Overhead Transition Corridor.

In addition, SRP is specifically authorized to relocate the initial interconnection
point for Circuit One and/or Circuit Two within the Schrader Substation during the term of
this Certificate for the purpose of allowing for the change in bay positions and such change

in bay positions may necessitate the use of up to three aboveground structures for such
 changes.

3The typical transmission structure heights will be in the range of 100 to 185 feet but4will not exceed 199 feet and will occupy a right-of-way width of 100 feet where available.

CONDITIONS

This Certificate is granted upon the following conditions:

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This authorization to construct the Project shall expire ten (10) years from the
date this Certificate is approved by the Arizona Corporation Commission, with or without
modification. Construction of the Project shall be complete, such that the Project is inservice within this ten-year timeframe. However, prior to the expiration of the time period,
APS-the Applicant may request that the Commission extend the time limitation. [Case No.
190]

2. In the event that the Project requires an extension of the term(s) of this 13 Certificate prior to completion of construction, APS the Applicant shall file such time 14 extension request at least one hundred and eighty (180) days prior to the expiration of the 15 Certificate. APSThe Applicant shall use reasonable means to promptly notify the Board of 16 Supervisors of Maricopa County, Arizona State Land Department ("ASLD") the City of 17 Chandler, the Gila River Indian Community, UPRR and all cities and towns within a five 18 19 (5) mile radius of the centerline of the Project and all landowners and residents within a five (5) mile radius of the centerline of the Project, all persons who made public comment 20 at this proceeding who provided a mailing or email address, and all parties to this 21 proceeding. The notification provided will include the request and the date, time, and place 22 23 of the hearing or open meetings during which the Commission will consider the request for extension. Notification shall be no more than three (3) business days after APS-the 24 Applicant is made aware of the hearing date or the open meeting date. [Case No. 190] 25 3. During the development, construction, operation, maintenance and 26

reclamation of the Project, APS-the Applicant shall comply with all existing applicable air

and water pollution control standards and regulations, and with all existing applicable 1 statutes, ordinances, master plans and regulations of any governmental entity having 2 3 jurisdiction including, but not limited to, the United States of America, the State of Arizona, Maricopa County, ASLD, and their agencies and subdivisions, including but not 4 limited to the following: 5 a. All applicable land use regulations; 6 7 b. All applicable zoning stipulations and conditions including but not limited to, landscaping and dust control requirements; 8 c. All applicable water use, discharge and/or disposal requirements of the Arizona 9 Department of Water Resources and the Arizona Department of Environmental 10 Quality; 11 12 d. All applicable noise control standards; and e. All applicable regulations governing storage and handling of hazardous 13 chemicals and petroleum products. [Case No. 190] 14 4. APS The Applicant shall obtain all approvals and permits necessary to 15 construct, operate and maintain the Project required by any governmental entity having 16 jurisdiction including, but not limited to, the United States of America, the State of 17 Arizona, Maricopa County, ASLD, and their agencies and subdivisions. [Case No. 190] 18 19 5. APS The Applicant shall comply with the Arizona Game and Fish Department (AGFD) guidelines for handling protected animal species, should any be 20 encountered during construction and operation of the Project, and shall consult with AGFD 21 or U.S. Fish and Wildlife Service, as necessaryappropriate, on other issues concerning 22 23 wildlife. [Case No. 190] 6. APS The Applicant shall design the Project to incorporate reasonable 24 measures to minimize electrocution of and impacts to avian species in accordance with the 25 Applicant's avian protection program. Such measures will be accomplished through 26 compliance with the incorporation of Avian Power Line Interaction Committee guidelines 27

set forth in the <u>current versions of Suggested Practices for Avian Protection on Power</u>
 <u>Lines2006 Electrocution Manual</u> and the 2012 Collision Manual<u>Reducing Avian Collisions</u>
 with Power Lines manuals. [Case No. 190]

APS-The Applicant shall consult the State Historical Preservation Office 4 7. (SHPO) with respect to cultural resources. If any archaeological, paleontological, or 5 historical site or a significant cultural object is discovered on state, county or municipal 6 7 land during the construction or operation of the Project, APSthe Applicant or its representative in charge shall promptly report the discovery to the Director of the Arizona 8 State Museum (ASM), and in consultation with the Director, shall immediately take all 9 reasonable steps to secure and maintain the preservation of the discovery as required by 10 A.R.S. § 41-844. [Case No. 190] 11

8. APS-The Applicant shall comply with the notice and salvage requirements of
the Arizona Native Plant Law (A.R.S §§ 3-901 *et seq.*) and shall, to the extent feasible,
minimize the destruction of native plants during the construction and operation of the
Project. [Case No. 190]

9. APS The Applicant shall make every reasonable effort to promptly 16 investigate, identify and correct, on a case-specific basis, all complaints of interference 17 with radio or television signals from operation of the Project addressed in this Certificate 18 19 and where such interference is caused by the Project take reasonable measures to mitigate such interference. APSThe Applicant shall maintain written records for a period of five (5) 20 21 years of all complaints of radio or television interference attributable to operations, together with the corrective action taken in response to each complaint. All complaints 22 23 shall be recorded to include notation on the corrective action taken. Complaints not leading to a specific action or for which there was no resolution shall be noted and explained. Upon 24 request, the written records shall be provided to the Staff of the Commission. APS-The 25 Applicant shall respond to complaints and implement appropriate mitigation measures. In 26 addition, the Project shall be evaluated on a regular basis so that damaged insulators or 27

Commented [A1]: Change is suggested because there is no compliance requirement in the APLIC documents. The documents provide a toolbox for a utility to develop their own standards and best management practices. The utility specific standards incorporate APLIC practices that have been found to be effective at reducing bird injuries and mortalities.

These changes are proposed because APLIC is revising and updating the "electrocution manual," which will be available in the spring of 2022. The new publication of the "electrocution manual" will be in an electronic format only and will no longer reference a specific publication date, likely just a version. other line materials that could cause interference are repaired or replaced in a timely
 manner. [Case No. 190]

10. If human remains and/or funerary objects are encountered on private land
during the course of any ground-disturbing activities related to the construction or
maintenance of the Project, APS-the Applicant shall cease work on the affected area of the
Project and notify the Director of the ASM as required by A.R.S. § 41-865 for private land,
or as required by A.R.S. § 41-844 for state, county, or municipal lands. [Case No. 190]

8 11. Within one hundred twenty (120) days of the Commission's decision 9 approving this Certificate, APS-the Applicant shall post signs in or near public rights-of-10 way, to the extent authorized by law, reasonably adjacent to the Project giving notice of the 11 Project. Such signage shall be no smaller than a roadway sign. The signs shall advise:

a. Future site of the Project;

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b. A phone number and website for public information regarding the Project; and

14 c. Refer the Public to the Docket https://edocket.azcc.gov/Seach/Docket-Search.

15 Such signs shall be inspected at least once annually and, if necessary, be repaired or

16 replaced, and removed at the completion of construction. [Case No. 190]

12. At least ninety (90) days before Upon the [approval] of this Certificate by the 17 Committee, construction commences on the Project, APS the Applicant shall provide cities 18 19 and towns within five (5) miles of the Project, the Board of Supervisors for Maricopa County, and ASLD the City of Chandler, the Gila River Indian Community, UPRR and 20 known builders and developers who are building upon or developing land within one (1) 21 mile of the centerline of the Project with a written description, including height and width 22 23 measurements of all-typical structure types, of the Project. The written description shall identify the location of the Project and contain a pictorial depiction of the facilities being 24 constructed. APS-The Applicant shall also encourage the developers and builders to 25 include this information in their disclosure statements. Upon approval of this Certificate 26 27

by the Commission, the Applicant may commence construction of the Project. [Case No. 190]

13. APS The Applicant shall use non-specular conductor and non-reflective surfaces for the transmission line structures on the Project. [Case No. 190]

14. APS The Applicant shall be responsible for arranging that all field personnel involved in the Project receive training as to proper ingress, egress, and on-site working protocol for environmentally sensitive areas and activities. Contractors employing such field personnel shall maintain records documenting that the personnel have received such training. [Case No. 190]

APS The Applicant shall follow the most current Western Electricity 10 15. Coordinating Council (WECC) and North American Electric Reliability Corporation 11 12 (NERC) planning standards, as approved by the Federal Energy Regulatory Commission (FERC), National Electrical Safety Code (NESC) standards, and Federal Aviation 13 Administration (FAA) regulations. [Case No. 190] 14

APS-The Applicant shall participate in good faith in state and regional 15 16. transmission study forums to coordinate transmission expansion plans related to the Project 16 and to resolve transmission constraints in a timely manner. [Case No. 190] 17

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When Project facilities are located parallel to and within one hundred (100) 19 feet of any existing natural gas or hazardous pipeline, APS the Applicant shall:

Ensure grounding and cathodic protection studies are performed to show that 20 a) the Project's location parallel to and within one hundred (100) feet of such 21 pipeline results in no material adverse impacts to the pipeline or to public 22 23 safety when both the pipeline and the Project are in operation. APS-The Applicant shall take appropriate steps to ensure that any material adverse 24 impacts are mitigated. APS-The Applicant shall provide to Staff of the 25 Commission, and file with Docket Control, a copy of the studies performed 26 and additional mitigation, if any, that was implemented as part of its annual 27

compliance-certification letter; and

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b) Ensure that studies are performed simulating an outage of the Project that may be caused by the collocation of the Project parallel to and within one hundred (100) feet of the existing natural gas or hazardous liquid pipeline. The studies should either: (a) show that such simulated outage does not result in customer outages; or (b) include operating plans to minimize any resulting customer outages. APS-The Applicant shall provide a copy of the study results to Staff of the Commission and file them with Docket Control as part of APS's the Applicant's annual compliance certification letter. [Case No. 190]

APS The Applicant shall submit a compliance certification letter annually, 18. 11 12 identifying progress made with respect to each condition contained in this Certificate, including which conditions have been met. The letter shall be submitted to Commission's 13 Docket Control commencing on December 1, 2022March 15, 2022. Attached to each 14 certification letter shall be documentation explaining how compliance with each condition 15 was achieved. Copies of each letter, along with the corresponding documentation, shall be 16 submitted to the Arizona Attorney General's Office. With respect to the Project, the 17 requirement for the compliance letter shall expire on the date the Project is placed into 18 operation. Notification of such filing with Docket Control shall be made to the Board of 19 Supervisors for Maricopa County, City of Chandler, ASLD, all parties to this Docket, and 20 all parties who made a limited appearance in this Docket. [Case No. 190] 21 19. APS-The Applicant shall provide a copy of this Certificate to the Board of 22 23 Supervisors for Maricopa County, and the City of PeoriaChandler. [Case No. 190] Any transfer or assignment of this Certificate shall require the assignee or 24 20.

successor to assume, in writing, all responsibilities of <u>APS-the Applicant</u> listed in this
Certificate and its conditions as required by A.R.S. § 40-360.08(A) and R14-3-213(F) of
the Arizona Administrative Code. [Case No. 190]

In the event APSthe Applicant, its assignee, or successor, seeks to modify the 1 21. Certificate terms at the Commission, it shall provide copies of such request to the Board of 2 3 Supervisors for Maricopa County, the City of PeoriaChandler, all parties to this Docket, and all parties who made a limited appearance in this Docket. [Case No. 190] 4 22. The Certificate Conditions shall be binding on APSthe Applicant, its 5 successors, assignee(s) and transferees and any affiliates, agents, or lessees of APSthe 6 7 Applicant who have a contractual relationship with APS the Applicant concerning the construction, operation, maintenance or reclamation of the Project. APS The Applicant shall 8 provide in any agreement(s) or lease(s) pertaining to the Project that the contracting parties 9 and/or lessee(s) shall be responsible for compliance with the Conditions set forth herein, 10 and APSThethe Applicant's responsibilities with respect to compliance with such 11 12 Conditions shall not cease or be abated by reason of the fact that APS-the Applicant is not in control of or responsible for operation and maintenance of the Project facilities. [Case 13 No. 190] 14 APS shall provide the Commission Staff with copies of the interconnection 15 23 agreement(s) it ultimately enters into with AES in connection with the AES ESP within 16

thirty (30) days of execution of such agreement(s), with the summary thereof filed at
Docket Control. [Case No. 190]

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FINDINGS OF FACT AND CONCLUSIONS OF LAW

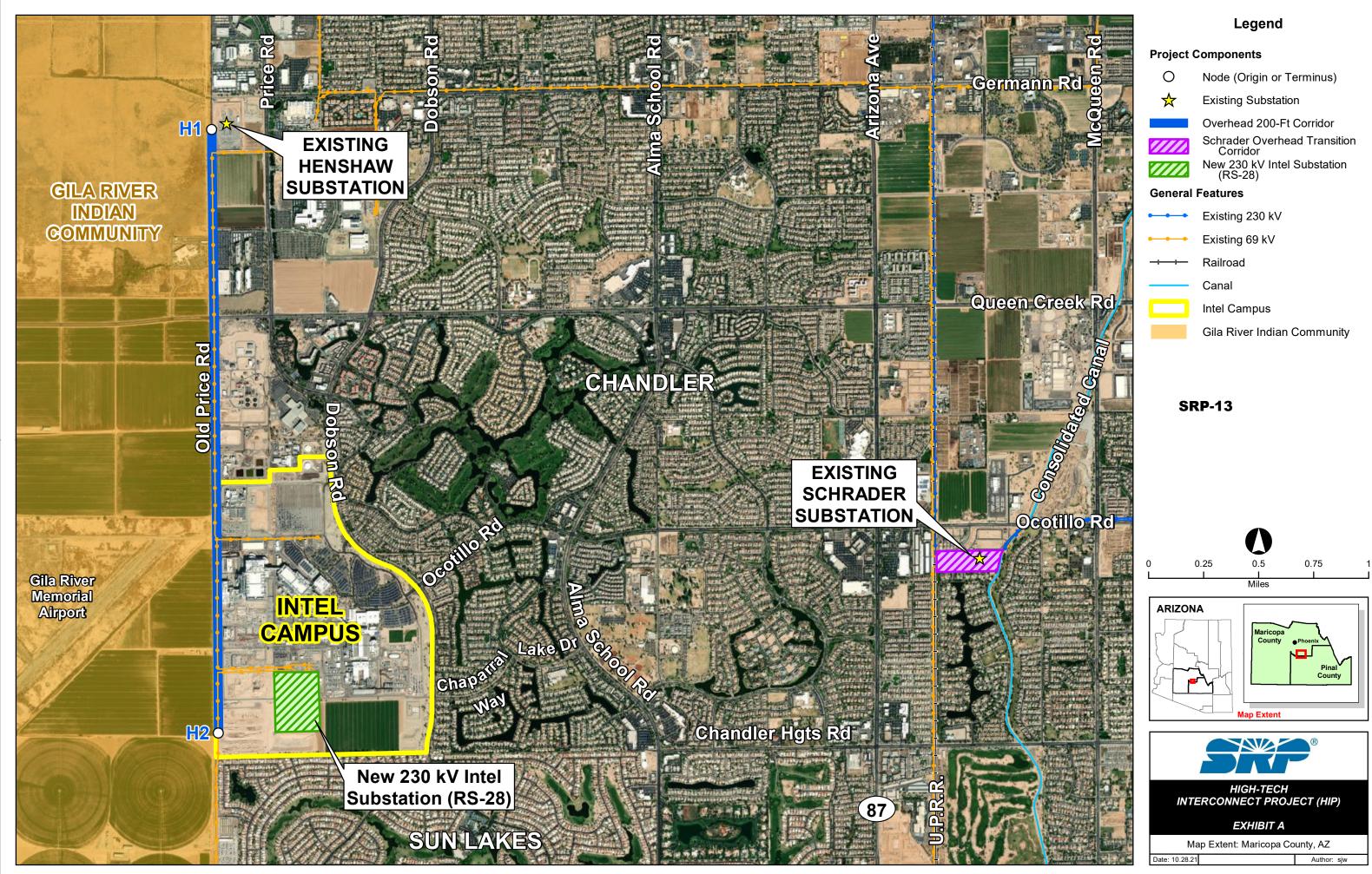
20 This Certificate incorporates the following Findings of Fact and Conclusions of Law:

The Project aids the state and the southwest region of the United States in
 meeting the need for an adequate, economical, and reliable supply of renewable electric
 power.

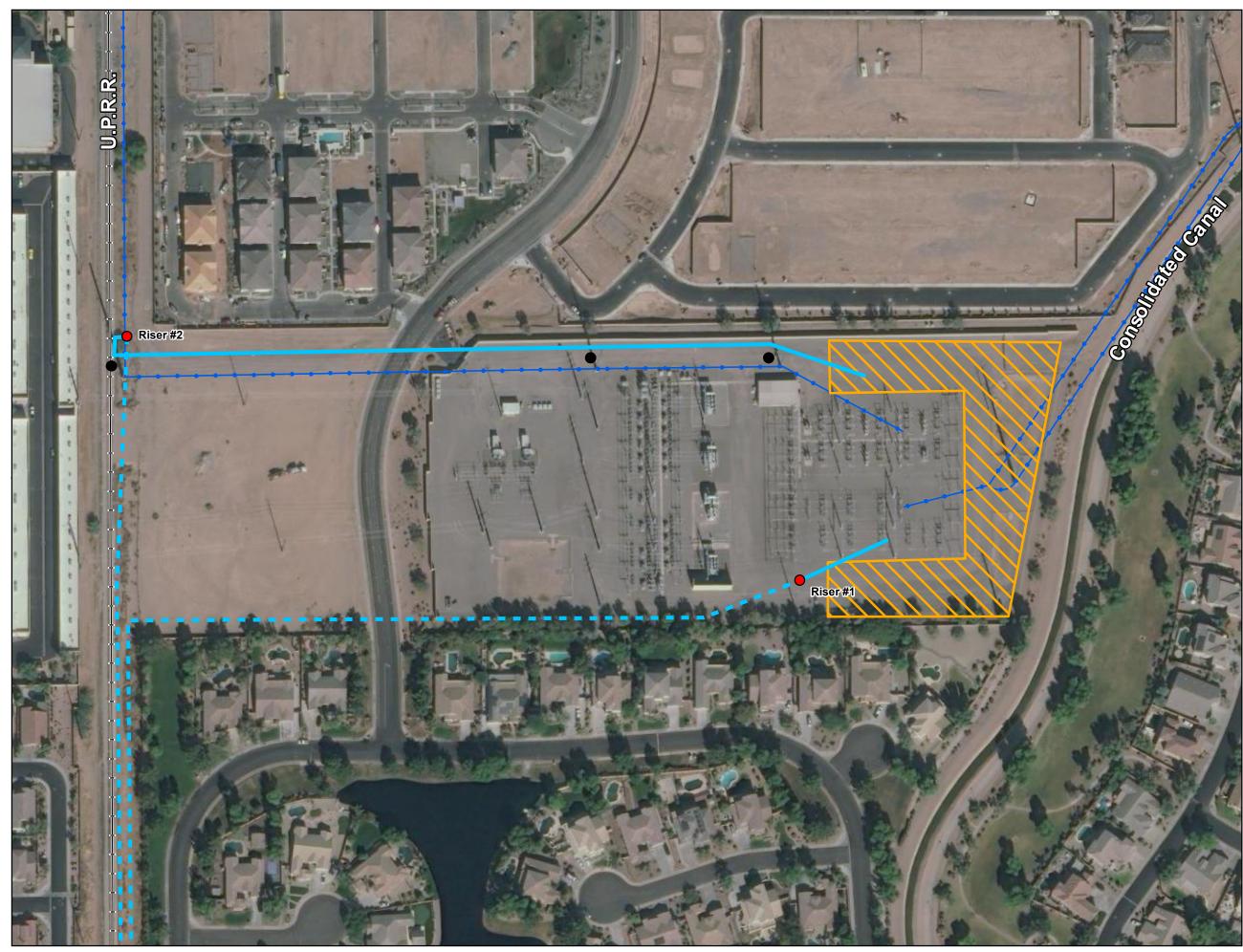
24 2. The Project aids the state, preserving a safe and reliable electric transmission
25 system.

26 3. During the course of the hearing, the Committee considered evidence on the
27 environmental compatibility on the Project as required by A.R.S. § 40-360 *et seq*.

4. The Project and the conditions placed on the Project in this Certificate
effectively minimize the impact of the Project on the environment and ecology of the state.
5. The conditions placed on the Project in this Certificate resolve matters
concerning balancing the need for the Project with its impact on the environment and
ecology of the state arising during the course of the proceedings, and, as such, serve as
findings and conclusions on such matters.
6. The Project is in the public interest because the Project's contribution to
meeting the need for an adequate, economical and reliable supply of electric power
outweighs the minimized impact of the Project on the environment and ecology of the
state.
DATED this day of November, 2021.
THE ARIZONA POWER PLANT AND TRANSMISSION LINE SITING COMMITTEE
COMMITTEE
By Paul A. Katz, Chairman
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0	Node (Origin or Terminus)			
☆	Existing Substation			
	Overhead 200-Ft Corridor			
	Schrader Overhead Transition Corridor			
	New 230 kV Intel Substation (RS-28)			
eneral Features				
•	Existing 230 kV			
	Existing 69 kV			
I	Railroad			
	Canal			
	Intel Campus			
	Gila River Indian Community			

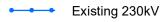


Legend

Project Components

- Existing Pole
- New Riser Pole
- Pole Placement Area for System Flexibility
- Underground Route
- **Overhead Route**

General Features

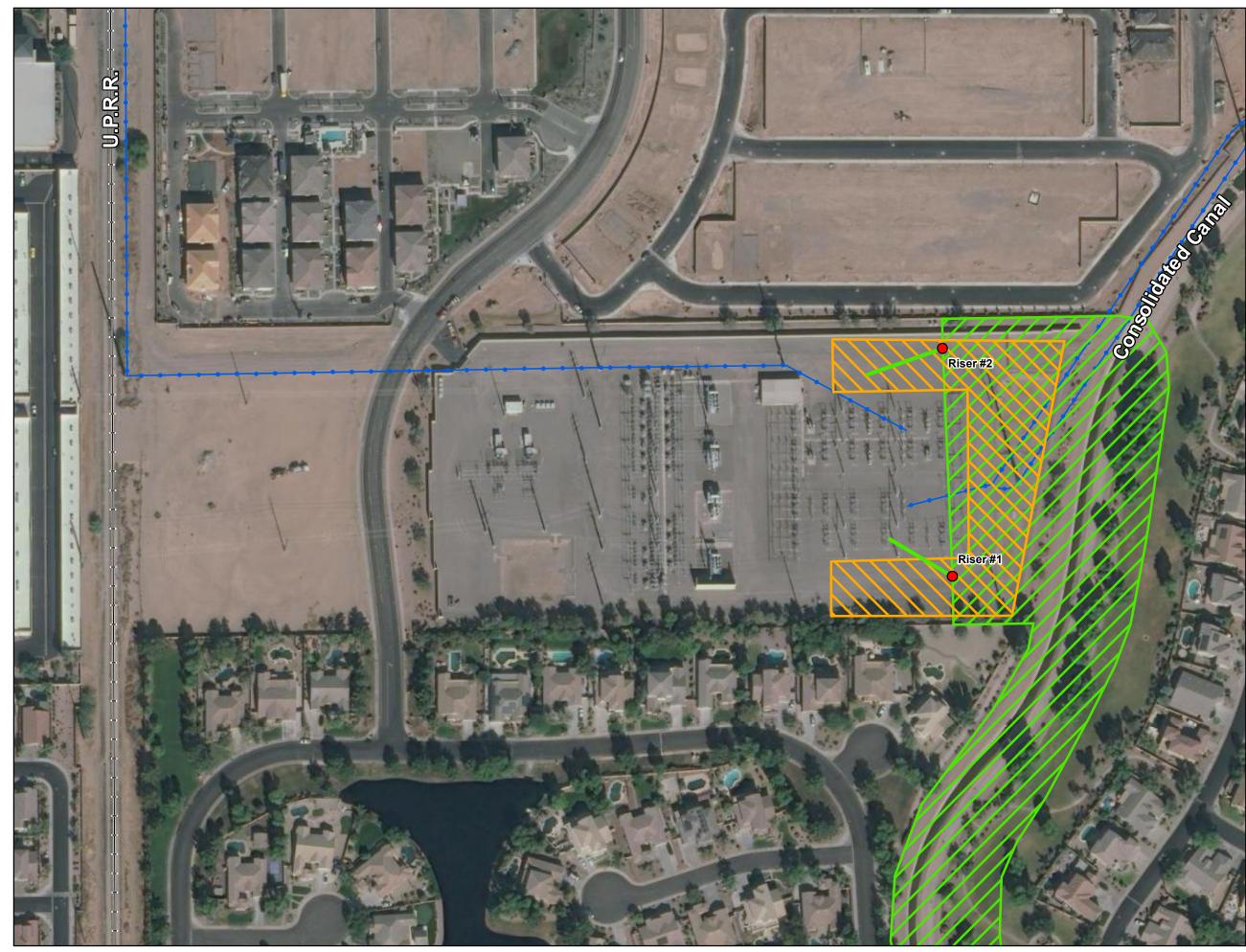


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Railroad _I___I___

SRP-13





Legend

Project Components



New Riser Pole

Pole Placement Area for System Flexibility

Overhead Route

Underground Corridor

General Features

Existing 230kV

Railroad





