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BEFORE THE ARIZONA POWER PLANT
AND TRANSMISSION LINE SITING COMMITTEE

IN THE MATTER OF THE APPLICATION OF
SALT RIVER PROJECT AGRICULTURAL
IMPROVEMENT AND POWER DISTRICT, IN
CONFORMANCE WITH THE
REQUIREMENTS OF ARIZONA REVISED
STATUTES, SECTIONS 40-360, et. seq., FOR A
CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AUTHORIZING THE
CONSTRUCTION OF AN OVERHEAD
DOUBLE-CIRCUIT 230 KV TRANSMISSION
LINE FROM THE EXISTING HENSHAW
SUBSTATION TO INTEL'S OCOTILLO
CAMPUS, A NEW RS-28 SUBSTATION TO BE
CONSTRUCTED ON INTEL'S OCOTILLO
CAMPUS, AND AN OVERHEAD TRANSITION
CORRIDOR AT THE EXISTING SCHRADER
SUBSTATION, ALL WITHIN THE CITY OF
CHANDLER, MARICOPA COUNTY,
ARIZONA.

Docket No.: L-00000B-21-0322-00195

Case No. 195

NOTICE OF FILING CERTIFICATE
OF ENVIRONMENTAL
COMPATIBILITY

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AZ CORP COMMISSION
DOCKET CONTROL

Paul A. Katz, designee of the Attorney General of Arizona, Mark Brnovich, as
Chairman and Presiding Officer of the Arizona Power Plant and Transmission Line Siting
Committee, gives notice of a separately filed Certificate of Environmental Compatibility
with Docket Control of the Arizona Corporation Commission.

DATED this 16th day of November, 2021.

Paul A. Katz, Chairman
Arizona Power Plant and Transmission
Line Siting Committee
Assistant Attorney General
Paul.Katz@azag.gov

Arizona Corporation Commission
DOCKETED

NOV 16 2021

DOCKETED BY

1 Pursuant to A.A.C. R14-3-204,
2 the Original and 26 copies were
3 filed this 16th day of November, 2021 with:

4 Docket Control
5 Arizona Corporation Commission
6 1200 W. Washington Street
7 Phoenix, AZ 85007

8 Copy of the above was mailed
9 This 16th day of November, 2021 to:

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11 Arizona Corporation Commission
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14 RMitchell@azcc.gov
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18 1802 North 7th Street
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20 *Court Reporter*

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CEC 195

IN THE MATTER OF THE APPLICATION OF
SALT RIVER PROJECT AGRICULTURAL
IMPROVEMENT AND POWER DISTRICT, IN
CONFORMANCE WITH THE
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SUBSTATION, ALL WITHIN THE CITY OF
CHANDLER, MARICOPA COUNTY,
ARIZONA.

Case No. 195

CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY

Pursuant to notice given as provided by law, the Arizona Power Plant and Transmission Line Siting Committee (Committee) held a public hearing on November 8 through November 10, 2021 in Chandler, Arizona, in conformance with the requirements of Arizona Revised Statutes (A.R.S.) §§ 40-360, *et seq.*, for the purpose of receiving evidence and deliberating on the application (Application) of Salt River Project Agricultural Improvement and Power District (Applicant or SRP) for a Certificate of Environmental Compatibility (Certificate) in the above-captioned case.

Paul A. Katz Chairman, Designee for Arizona Attorney General Mark
Brnovich

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 towns
5	Rick Grinnell	Appointed Member, representing counties
6	James Palmer	Appointed Member, representing agricultural interests
7	Jack Haenichen	Appointed Member, representing the general public
8	Margaret "Toby" Little	Appointed Member, representing the general public
9		

10 The Applicant was represented by J. Matthew Derstine of Snell and Wilmer, LLP,
11 and by Karilee Ramaley of SRP. The City of Chandler joined as a party pursuant to A.R.S.
12 § 40-360.05 and was represented by Jeffrey W. Crockett of Crockett Law Group, PLLC,
13 and Kelly Schwab of the City of Chandler. The following parties were granted intervention
14 pursuant to A.R.S. § 40-360.05: The Reserve at Fulton Ranch Homeowners' Association,
15 Pinelake Estates Homeowners' Association and Southshore Village Homeowners'
16 Association, all represented by Meghan Gabel of Osborn Maledon, P.A.

17 At the conclusion of the hearing, the Committee, after considering the (i)
18 Application, (ii) evidence, testimony and exhibits presented by Applicant and interveners,
19 and (iii) comments of the public, and being advised of the legal requirements of A.R.S. §§
20 40-360 through 40-360.13, upon motion duly made and seconded, voted 9 to 0 to grant the
21 Applicant, its successors and assigns, this Certificate for construction of the High-Tech
22 Interconnect Project as described below.

23 **B. PROJECT OVERVIEW.**

24 The High-Tech Interconnect Project (the Project) is being developed to serve the
25 increased energy demands of Intel Corporation by interconnecting a new substation on the
26 Intel Campus (RS-28 Substation) to SRP's existing Henshaw Substation and Schrader
27

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.

1 The new double-circuit 230 kV transmission line will be constructed within a
2 corridor that extends 200 feet east of the Gila River Indian Community boundary along Old
3 Price Road. The transmission line will be constructed in an 80-foot-wide easement to be
4 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".

7 ***The RS-28 Substation***

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.

14 ***Schrader Substation to Underground Transition***

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

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

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

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

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.

24 In addition, SRP is specifically authorized to relocate the initial interconnection
25 point for Circuit One and/or Circuit Two within the Schrader Substation during the term of
26 this Certificate for the purpose of allowing for the change in bay positions and such change
27

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

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

5 **CONDITIONS**

6 This Certificate is granted upon the following conditions:

7 1. This authorization to construct the Project shall expire ten (10) years from the
8 date this Certificate is approved by the Arizona Corporation Commission, with or without
9 modification. Construction of the Project shall be complete, such that the Project is in-
10 service within this ten-year timeframe. However, prior to the expiration of the time period,
11 the Applicant may request that the Commission extend the time limitation.

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

25 3. During the development, construction, operation, maintenance and
26 reclamation of the Project, the Applicant shall comply with all existing applicable air and
27 water pollution control standards and regulations, and with all existing applicable statutes,

ordinances, master plans and regulations of any governmental entity having jurisdiction including, but not limited to, the United States of America, the State of Arizona, Maricopa County, and their agencies and subdivisions, including but not limited to the following:

- a. All applicable land use regulations;
- b. All applicable zoning stipulations and conditions including but not limited to, landscaping and dust control requirements;
- c. All applicable water use, discharge and/or disposal requirements of the Arizona Department of Water Resources and the Arizona Department of Environmental Quality;
- d. All applicable noise control standards; and
- e. All applicable regulations governing storage and handling of hazardous chemicals and petroleum products.

4. The Applicant shall obtain all approvals and permits necessary to construct, operate and maintain the Project required by any governmental entity having jurisdiction including, but not limited to, the United States of America, the State of Arizona, Maricopa County, and their agencies and subdivisions.

5. The Applicant shall comply with the Arizona Game and Fish Department (AGFD) guidelines for handling protected animal species, should any be encountered during construction and operation of the Project, and shall consult with AGFD or U.S. Fish and Wildlife Service, as appropriate, on other issues concerning wildlife.

6. The Applicant shall design the Project to incorporate reasonable measures to minimize electrocution of and impacts to avian species in accordance with the Applicant's avian protection program. Such measures will be accomplished through incorporation of Avian Power Line Interaction Committee guidelines set forth in the current versions of *Suggested Practices for Avian Protection on Power Lines* and *Reducing Avian Collisions with Power Lines* manuals.

1 7. The Applicant shall consult the State Historic Preservation Office (SHPO)
2 with respect to cultural resources. If any archaeological, paleontological, or historical site
3 or a significant cultural object is discovered on state, county or municipal land during the
4 construction or operation of the Project, the Applicant or its representative in charge shall
5 promptly report the discovery to the Director of the Arizona State Museum (ASM), and in
6 consultation with the Director, shall immediately take all reasonable steps to secure and
7 maintain the preservation of the discovery as required by A.R.S. § 41-844.

8 8. The Applicant shall comply with the notice and salvage requirements of the
9 Arizona Native Plant Law (A.R.S §§ 3-901 *et seq.*) and shall, to the extent feasible,
10 minimize the destruction of native plants during the construction and operation of the
11 Project.

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

25 10. If human remains and/or funerary objects are encountered during the course
26 of any ground-disturbing activities related to the construction or maintenance of the
27 Project, the Applicant shall cease work on the affected area of the Project and notify the

1 Director of the ASM as required by A.R.S. § 41-865 for private land, or as required by
2 A.R.S. § 41-844 for state, county, or municipal lands.

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

- 7 a. Future site of the Project;
- 8 b. A phone number and website for public information regarding the Project; and
- 9 c. Refer the Public to the Docket <https://edocket.azcc.gov/Seach/Docket-Search>.

10 Such signs shall be inspected at least once annually and, if necessary, be repaired or
11 replaced, and removed at the completion of construction.

12 The Applicant shall make every reasonable effort to communicate the decision
13 either approving or disapproving the Certificate in digital media.

14 12. Upon the approval of this Certificate by the Committee, the Applicant shall
15 provide cities and towns within five (5) miles of the Project, the Board of Supervisors for
16 Maricopa County, the City of Chandler, the Gila River Indian Community, UPRR and
17 known builders and developers who are building upon or developing land within one (1)
18 mile of the centerline of the Project with a written description, including the approximate
19 height and width measurements of all structure types, of the Project. The written
20 description shall identify the location of the Project and contain a pictorial depiction of the
21 facilities being constructed. The Applicant shall also encourage the developers and builders
22 to include this information in their disclosure statements. Upon approval of this Certificate
23 by the Commission, the Applicant may commence construction of the Project.

24 13. The Applicant shall use non-specular conductor and non-reflective surfaces
25 for the transmission line structures on the Project.

26 14. The Applicant shall be responsible for arranging that all field personnel
27 involved in the Project receive training as to proper ingress, egress, and on-site working

1 protocol for environmentally sensitive areas and activities. Contractors employing such
2 field personnel shall maintain records documenting that the personnel have received such
3 training.

4 15. The Applicant shall follow the most current Western Electricity Coordinating
5 Council (WECC) and North American Electric Reliability Corporation (NERC) planning
6 standards, as approved by the Federal Energy Regulatory Commission (FERC), National
7 Electrical Safety Code (NESC) standards, and Federal Aviation Administration (FAA)
8 regulations.

9 16. The Applicant shall participate in good faith in state and regional
10 transmission study forums to coordinate transmission expansion plans related to the Project
11 and to resolve transmission constraints in a timely manner.

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

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

23 b) Ensure that studies are performed simulating an outage of the Project that
24 may be caused by the collocation of the Project parallel to and within one
25 hundred (100) feet of the existing natural gas or hazardous liquid pipeline.
26 The studies should either: (a) show that such simulated outage does not result
27 in customer outages; or (b) include operating plans to minimize any resulting

customer outages. The Applicant shall provide a copy of the study results to Staff of the Commission and file them with Docket Control as part of the Applicant's annual compliance certification letter.

18. The Applicant shall submit a compliance certification letter annually, 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 Docket Control commencing on March 15, 2022. Attached to each certification letter shall be documentation explaining how compliance with each condition was achieved. Copies of each letter, along with the corresponding documentation, shall be submitted to the Arizona Attorney General's Office. With respect to the Project, the requirement for the compliance letter shall expire on the date the Project is placed into operation. Notification of such filing with Docket Control shall be made to the Board of Supervisors for Maricopa County, City of Chandler, all parties to this Docket, and all parties who made a limited appearance in this Docket.

19. The Applicant shall provide a copy of this Certificate to the Board of Supervisors for Maricopa County and the City of Chandler.

20. Any transfer or assignment of this Certificate shall require the assignee or successor to assume, in writing, all responsibilities of the Applicant 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.

21. In the event the Applicant, its assignee, or successor, seeks to modify the Certificate terms at the Commission, it shall provide copies of such request to the Board of Supervisors for Maricopa County, the City of Chandler, all parties to this Docket, and all parties who made a limited appearance in this Docket.

22. The Certificate Conditions shall be binding on the Applicant, its successors, assignee(s) and transferees and any affiliates, agents, or lessees of the Applicant who have a contractual relationship with the Applicant concerning the construction, operation,

1 maintenance or reclamation of the Project. The Applicant shall provide in any agreement(s)
2 or lease(s) pertaining to the Project that the contracting parties and/or lessee(s) shall be
3 responsible for compliance with the Conditions set forth herein, and the Applicant's
4 responsibilities with respect to compliance with such Conditions shall not cease or be
5 abated by reason of the fact that the Applicant is not in control of or responsible for
6 operation and maintenance of the Project facilities.

7 **FINDINGS OF FACT AND CONCLUSIONS OF LAW**

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

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

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

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

16 4. The Project and the conditions placed on the Project in this Certificate
17 effectively minimize the impact of the Project on the environment and ecology of the state.

18 5. The conditions placed on the Project in this Certificate resolve matters
19 concerning balancing the need for the Project with its impact on the environment and
20 ecology of the state arising during the course of the proceedings, and, as such, serve as
21 findings and conclusions on such matters.

1 6. The Project is in the public interest because the Project's contribution to
2 meeting the need for an adequate, economical and reliable supply of electric power
3 outweighs the minimized impact of the Project on the environment and ecology of the
4 state.

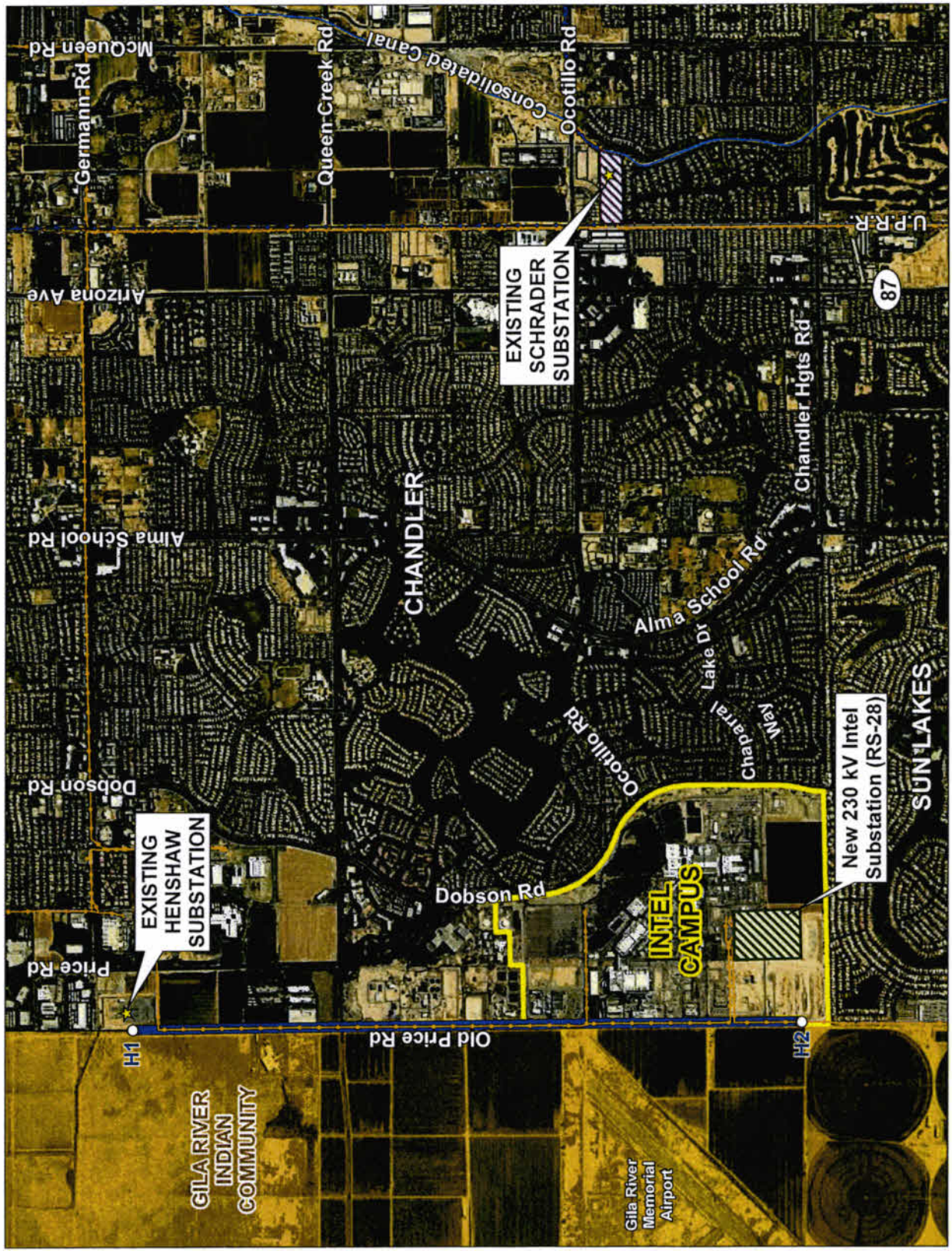
5 DATED this 16th day of November, 2021.

6 **THE ARIZONA POWER PLANT AND**
7 **TRANSMISSION LINE SITING**
8 **COMMITTEE**

9 
10 By _____
11 Paul A. Katz, Chairman

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EXHIBIT A



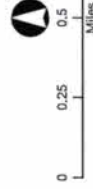
Legend

Project Components

- Node (Origin or Terminus)
- ★ Existing Substation
- Overhead 200-Ft Corridor
- Schrader Overhead Transition Corridor
- New 230 kV Intel Substation (RS-28)

General Features

- Existing 230 kV
- Existing 69 kV
- Railroad
- Canal
- Intel Campus
- Gila River Indian Community



HIGH-TECH
INTERCONNECT PROJECT (HIP)

EXHIBIT A

Map Extent: Maricopa County, AZ

Date: 10/28/21 Author: BWP

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EXHIBIT B-1



- Legend**
- Project Components**
- Existing Pole
 - New Riser Pole
 - Pole Placement Area for System Flexibility
 - Underground Route
 - Overhead Route
- General Features**
- Existing 230kV
 - Railroad

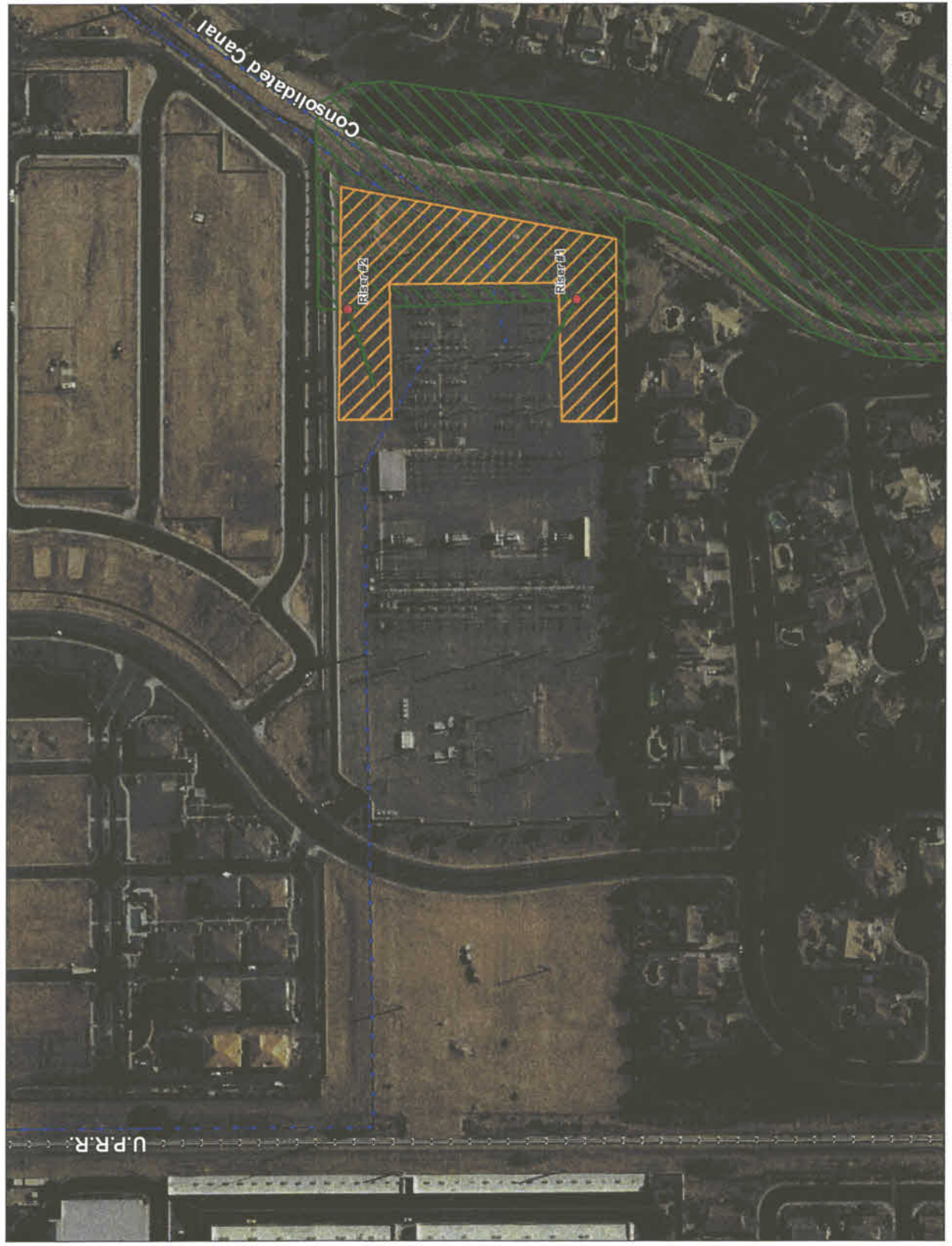


	
HIGH-TECH INTERCONNECT PROJECT (HIP)	
EXHIBIT B-1	
Map Extent: Maricopa County, AZ	
Date: 10/28/21	Author: ghw

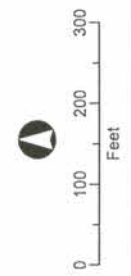
State Plane Coordinate System, NAD 83, Arizona Central, Linear Unit: Feet US

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EXHIBIT B-2



- Legend**
- Project Components**
- New Riser Pole
 - Pole Placement Area for System Flexibility
 - Overhead Route
 - Underground Corridor
- General Features**
- Existing 230kV
 - Railroad





**HIGH-TECH
INTERCONNECT PROJECT (HIP)
EXHIBIT B-2**

Map Extent: Maricopa County, AZ		Author: SWP
Date: 10.28.21		

State Plane, Coordinate System: NAD 83, Arizona Central, Linear Unit: Feet US