

EXHIBIT D
APPLICANT’S ORGANIZATIONAL, MANAGERIAL, AND TECHNICAL EXPERTISE
OAR 345-021-0010(1)(d)

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INTRODUCTION

Archway Solar Energy LLC (Applicant) proposes to construct the Archway Solar Energy Facility (Facility) in Lake County, Oregon, with generating capacity of up to 400 megawatts (MW). The Facility may also contain a battery energy component with storage capacity of up to 400 MW and discharge capacity of up to 1,600 megawatt-hours. This Exhibit D provides applicant’s organizational, managerial, and technical expertise as required by Oregon Administrative Rules (OAR) 345-021-0010(d).

OAR 345-021-0010(1)(d) *Information about the organizational expertise of the applicant to construct and operate the proposed facility, providing evidence to support a finding by the Council as required by OAR 345-022-0010, including:*

D.1 APPLICANT’S PREVIOUS EXPERIENCE

(A) *The applicant’s previous experience, if any, in constructing and operating similar facilities.*

Response: Applicant does not have any previous experience in constructing and operating similar facilities, but it is a wholly owned subsidiary of Invenergy Solar Development North America LLC. Invenergy Solar Development North America LLC is a wholly owned subsidiary of Invenergy LLC (Invenergy), an independently owned company that has experience with developing, constructing, owning, and operating power generation and energy storage facilities across North America and Europe.

Invenergy’s expertise comprises a range of fully integrated in-house capabilities, including project development, permitting, transmission, interconnection, energy marketing, finance, engineering, project construction, and operations and maintenance.

To date, Invenergy has developed more than 24,000 megawatts (MW) of utility-scale wind, solar, natural gas, and energy storage facilities in the United States, Canada, and Europe. This includes more than 30 utility-scale solar projects with an aggregate size of 3,260 MW, an average size approximately 110 MW.

Invenergy’s first operational solar project was the 20 MW Grand Ridge Solar facility in Illinois. Invenergy also completed two 10 MW solar projects in Ontario, 3 MW in Georgia, and 6.3 MW in California. In 2015, Invenergy sold the 19.8 MW Morgans Corner project in North Carolina to Dominion. In addition, Invenergy sold its 50 MW Luning project in Nevada to Liberty Utilities and received approval from Long Island Power Authority for a Power Purchase Agreement for energy from Invenergy’s 25 MW Shoreham facility. In Oregon, Invenergy operates two solar facilities in Oregon, the 60 MW Millican Project and the 40 MW Prineville Project. Those projects were permitted locally through Crook County. Table D-1 summarizes Invenergy’s solar projects.

Table D-1. Summary of Invenergy Solar Projects

Project	Location	Phase	Commercial Operation Date	Size (MW)
Grand Ridge Solar	Illinois	Operating	2012	20.0
Sandringham^	Ontario	Operating	2013	10.0
Woodville^	Ontario	Operating	2013	10.0
Lakeland	Georgia	Operating	2014	3.0
Desert Green	California	Operating	2014	6.3
Morgans Corner^	North Carolina	Operating	2015	19.8

Luning Solar [^]	Nevada	Operating	2016	50.0
La Jacinta	Uruguay	Operating	2017	65.0
Shoreham [^]	New York	Operating	2018	24.9
Koumi Kogen	Japan	Operating	2019	8.0
Lithia [*]	Florida	Operating	2019	74.5
Wilkinson	North Carolina	Operating	2019	74.0
Southern Oak	Georgia	Operating	2019	160.0
Badger Hollow I [*]	Wisconsin	Construction	2020	150.0
Millican	Oregon	Operating	2021	60.0
Prineville	Oregon	Operating	2021	40.0
Queens	Japan	Operating	2020	7.0
Yum Yum	Tennessee	Operating	2021	147.0
Dry Lake	Nevada	Operating	2021	100.0
Badger Hollow II [*]	Wisconsin	Contracted	2022	150.0
Horseshoe	New York	Contracted	2022	180.0
To Be Announced	Texas	Contracted	2022	250.0
Tip Top	New Mexico	Contracted	2022	220.0
To Be Announced	Illinois	Contracted	2022	250.0
To Be Announced	Texas	Contracted	2022	250.0
To Be Announced	Michigan	Contracted	2022	60.0
To Be Announced	North Carolina	Contracted	2022	75.0
To Be Announced	Texas	Contracted	2023	450.0
To Be Announced	Texas	Contracted	2023	310.0
To Be Announced	Japan	Contracted	2023	35.0
Total:				3,259.5

^{*} Denotes Build-Transfer project

[^]Denotes 100% equity interest sold

Invenergy has also developed 96 wind projects across the United States, Canada, and Europe, totaling more than 14,914 MW globally. Invenergy's portfolio consists of more than 8,865 MW of projects in operation, including the Willow Creek Wind Project in Gilliam and Morrow counties, and more than 6,049 MW in construction or advanced development.

D.2 QUALIFICATIONS OF APPLICANT'S PERSONNEL

(B) *The qualifications of the applicant's personnel who will be responsible for constructing and operating the facility, to the extent that the identities of such personnel are known when the application is submitted.*

Response: The Applicant's senior executives, each with more than 25 years of experience in the energy generation industry, have worked together for over two decades.

- **Michael Polsky**, Invenergy President and Chief Executive Officer: With more than 30 years of experience in the energy industry, Michael Polsky is widely recognized as a pioneer and industry leader in the cogeneration and independent power industry in North America. Polsky founded Invenergy 15 years ago. In 1991, Polsky founded SkyGen Energy LLC (SkyGen Energy)—a developer, owner, and operator of natural gas-fueled generating plants—which was purchased by Calpine Corporation (Calpine) in 2001. Before forming SkyGen, Polsky co-founded and was President of Indeck Energy Services Inc. (Indeck Energy Services). Polsky holds a Master of Science in Mechanical Engineering degree from Kiev Polytechnic Institute and a Master of Business Administration (MBA) degree from the University of Chicago. In 2002, Polsky endowed a Center for Entrepreneurship at the University of Chicago Graduate School of Business, which is named after him.
- **Jim Murphy**, Invenergy Executive Vice President, Chief Financial Officer, Chief Operating Officer—Operating Business Group: Jim Murphy has more than 30 years of financial and management experience in the energy industry. He has managed the negotiation and execution of more than \$15 billion in private equity and debt investments, power plant acquisitions and sales, and project debt and equity financing. He is a founding member of Invenergy and has been responsible for the general management of the company, corporate and project finance, risk management, and asset optimization. Murphy is a member of the Board of Directors of the American Wind Energy Association. Prior to the formation of Invenergy, he was Chief Financial Officer at SkyGen Energy, a Vice President with financial advisory and investment firm The Deerpath Group, Inc., and a manager with Arthur Andersen. He earned a Bachelor of Science (BS) degree from the University of Illinois, magna cum laude, and is a certified public accountant.
- **Jim Shield**, Invenergy Executive Vice President and Chief Development Officer: With more than 25 years of experience in all aspects of the power generation industry, Jim Shield is responsible for the development, marketing, engineering, and construction of Invenergy's wind, solar, and thermal energy projects worldwide. During his career, Shield has developed over 10,000 MW of power projects and negotiated over 3,000 MW of long-term energy off-take agreements. Before joining Invenergy, Shield held various positions, including Senior Vice President-East Region with Calpine. Prior to that role, he was a key contributor in building SkyGen Energy from a startup company, and a project manager at Indeck Energy Services. Shield has a BS in mechanical engineering from the University of Michigan and an MBA from DePaul University. He is a registered professional engineer in the State of Illinois.

The development, permitting, transmission, interconnection, energy marketing, finance, engineering, project construction, and operations and maintenance staff for this Facility have worked on many of the projects described in Section D.1. In particular, the following people worked together on the Prineville and Millican Solar Energy Projects in Oregon, and will be the key personnel managing development, construction, and operations of this Facility:

- Development Vice President: Laura Miner
- Permitting Vice President: Erin Lieberman
- Permitting Manager: Jamie Wilson
- Transmission and Markets Senior Vice President: Kris Zadlo
- Transmission Manager: Ajay Pappu
- Finance Manager: Jacqueline Burns
- Project Engineer: Sydney Eiss
- Construction Vice President: Art Fletcher
- Construction Director: Utopia Hill
- Asset Manager Senior Vice President: Alex George

- Asset Manager: Ed Strickland

D.3 QUALIFICATIONS OF KNOWN CONTRACTORS

(C) *The qualifications of any architect, engineer, major component vendor, or prime contractor upon whom the applicant will rely in constructing and operating the facility, to the extent that the identities of such persons are known when the application is submitted.*

Response: The Applicant has not yet selected an architect, engineer, major component vendor, or prime contractor. However, based on Invenergy's vast experience developing more than 23,198 MW of utility-scale wind, solar, natural gas and energy storage facilities, Invenergy will select qualified partners with experience in the solar industry. Invenergy has extensive relationships with several civil and electrical engineers, solar module and racking manufacturers, and construction contractors.

D.4 APPLICANT'S PAST PERFORMANCE

(D) *The past performance of the applicant, including but not limited to the number and severity of any regulatory citations in constructing or operating a facility, type of equipment, or process similar to the proposed facility.*

Response: The Applicant and its parent company have not received any complaints or citations in connection with the development, construction, or operation of any of its solar projects.

D.5 APPLICANT WITH NO PREVIOUS EXPERIENCE

(E) *If the applicant has no previous experience in constructing or operating similar facilities and has not identified a prime contractor for construction or operation of the proposed facility, other evidence that the applicant can successfully construct and operate the proposed facility. The applicant may include, as evidence, a warranty that it will, through contracts, secure the necessary expertise.*

Response: The Applicant does not have previous experience but as stated in Section D.1, it has experience through its parent company and its affiliated companies. Therefore, this rule is not applicable.

D.6 ISO CERTIFIED PROGRAM

(F) *If the applicant has an ISO 9000 or ISO 14000 certified program and proposes to design, construct and operate the facility according to that program, a description of the program.*

Response: The Applicant does not propose to design, construct, and operate the Facility according to an International Organization for Standardization (ISO) 9000 or ISO 14000 certified program.

D.7 MITIGATION

(G) *If the applicant relies on mitigation to demonstrate compliance with any standards of Division 22 or 24 of this chapter, evidence that the applicant can successfully complete such proposed mitigation, including past experience with other projects and the qualifications and experience of personnel upon whom the applicant will rely, to the extent that the identities of such persons are known at the date of submittal.*

Response: The Applicant relies on mitigation to demonstrate compliance with Division 22 standards relating to Oregon Department of Fish and Wildlife (ODFW) habitat goals and standards as described in Exhibit P.

The Applicant does not have previous experience with habitat mitigation projects but its parent company and affiliated companies do have experience, and the same personnel listed in Section

D.2 will be responsible for managing this habitat mitigation project. Examples of Invenergy's experience are as follows:

- **Habitat Mitigation Plan for the Willow Creek Wind Project:** Invenergy and consultant Northwest Wildlife Consultants, in consultation with ODFW, prepared a habitat mitigation plan for the Willow Creek Wind Project (Willow Creek Wind LLC) in 2008. Northwest Wildlife Consultants has been involved in many permitted natural gas and wind energy facilities in the Columbia Basin of Oregon since 1992. They have designed and prepared habitat mitigation plans for numerous EFSC and County-permitted energy projects in the Pacific Northwest and have been monitoring EFSC-permitted wind energy habitat mitigation areas in Umatilla County since 2001, including a habitat mitigation area in Walla Walla County, Washington, they have monitored since 1999.

As part of the Willow Creek Wind Project habitat mitigation plan, Invenergy entered into a 30-year conservation easement for the purpose of native habitat conservation and protection of regionally important biological diversity. This easement is located in Gilliam County, Oregon, and is adjacent to other conservation easements to increase benefits to wildlife in a larger block of important habitat. This block is called the Olex Conservation Opportunity Area, and Northwest Wildlife Consultants staff Bob Gritski and Karen Kronner manage it on behalf of easement holders.

- **Habitat Mitigation Plan for the Luning Solar Energy Project:** Invenergy, in consultation with the Bureau of Land Management, Mineral County Nevada, Friends of Nevada Wilderness, The Wilderness Society, and Mason Valley Conservation District, prepared a habitat mitigation plan for the Luning Solar Energy Project (Luning Energy LLC) in 2016. Through the plan, Invenergy provided funding for restoration activities to address noxious and invasive weeds on public land near the project. The Mason Valley Conservation District, which already manages noxious and invasive weeds in the area, is in charge of managing the plan.
- **Habitat Mitigation Plan for the Millican Solar Energy Project:** Invenergy and consultant WEST, Inc., in consultation with ODFW, prepared a habitat mitigation plan for the Millican Solar Energy Project (Millican Solar Energy LLC) in 2020. Through the plan, Invenergy provided funding to the Deschutes Land Trust as part of a larger restoration project at the Aspen Valley Ranch. The Deschutes Land Trust is in charge of managing the plan.