



April 30, 2020

Ms. Steffany Powell Coker
 Secretary to the Commission
 Public Service Commission of Wisconsin
 4822 Madison Yards Way
 Madison, WI 53705-9100

RE: Docket 5-BS-228: Joint Application of Madison Gas and Electric Company and Wisconsin Public Service Corporation for Approval to Acquire Ownership Interests in Solar Electric Generating Facilities

RE: 9696-CE-100: Application for a Certificate of Public Convenience and Necessity of Two Creeks Solar, LLC to Construct a Solar Electric Generation Facility, to be Located in Manitowoc and Kewaunee Counties, Wisconsin

RE: 9696-CE-101: Application for a Certificate of Public Convenience and Necessity of Two Creeks Solar, LLC to Construct an Electric Tie Line to Connect a Solar Electric Generation Facility to the Existing Transmission System, to be Located in Manitowoc and Kewaunee Counties, Wisconsin

RE: 9697-CE-100: Application for a Certificate of Public Convenience and Necessity of Badger Hollow Solar Farm, LLC to Construct a Solar Electric Generation Facility, to be Located in Iowa County, Wisconsin

RE: 9697-CE-101: Application for a Certificate of Public Convenience and Necessity of Badger Hollow Solar Farm, LLC to Construct an Electric Tie Line to Connect a Solar Electric Generation Facility to the Existing Transmission System, to be Located in Iowa County, Wisconsin

Dear Ms. Powell Coker:

Pursuant to Order Points within the Commission's Final Decisions issued April 18, 2019, in the above referenced dockets, Wisconsin Public Service Corporation and Madison Gas and Electric Company (collectively, Applicants) hereby submit the attached 1st quarter 2020 construction status report.

The 5-BS-228 April 18, 2019 Final Decision – PSCW Order Point 8 states:

To the extent the applicants proceed to closing prior to completion of construction of the projects, the applicants shall file with the Commission quarterly process reports that include the following:

- a. The date that construction commences;*
- b. Major construction and environmental milestones, including permits obtained, by agency, subject, and date;*
- c. Summaries of the status of construction, the anticipated in-service date, and the overall percent of physical completion;*
- d. Actual project costs to-date;*
- e. Once a year, a revised total cost estimate for the project;*
- f. The date that the projects are placed in service; and,*

g. The final, as-built cost of the project.

The 9696-CE-100 April 18, 2019 Final Decision – PSCW Order Point 6 states:

Beginning with the quarter ending June 30, 2019, and within 30 days of the end of each quarter thereafter and continuing until the authorized facilities are fully operational, Two Creeks shall submit quarterly progress reports to the Commission that include all of the following:

- a. The date that construction commences;*
- b. Major construction and environmental milestones, including permits obtained, by agency, subject, and date;*
- c. Summaries of the status of construction, the anticipated in service date, and the overall percent of physical completion;*
- d. The date that the facilities are placed in service.*

The 9696-CE-101 April 18, 2019 Final Decision – PSCW Order Point 6 states:

Beginning with the quarter ending June 30, 2019, and within 30 days of the end of each quarter thereafter and continuing until the authorized facilities are fully operational, Two Creeks shall submit quarterly progress reports to the Commission that include all of the following:

- e. The date that construction commences;*
- f. Major construction and environmental milestones, including permits obtained, by agency, subject, and date;*
- g. Summaries of the status of construction, the anticipated in service date, and the overall percent of physical completion;*
- h. The date that the facilities are placed in service.*

The 9697-CE-100 April 18, 2019 Final Decision – PSCW Order Point 6 states:

Beginning with the quarter ending June 30, 2019, and within 30 days of the end of each quarter thereafter and continuing until the authorized facilities are fully operational, Badger Hollow shall submit quarterly progress reports to the Commission that include all of the following:

- a. The date that construction commences;*
- b. Major construction and environmental milestones, including permits obtained, by agency, subject, and date;*
- c. Summaries of the status of construction, the anticipated in service date, and the overall percent of physical completion;*
- d. The date that the facilities are placed in service.*

The 9697-CE-101 April 18, 2019 Final Decision – PSCW Order Point 6 states:

Beginning with the quarter ending June 30, 2019, and within 30 days of the end of each quarter thereafter and continuing until the authorized facilities are fully operational, Badger Hollow shall submit quarterly progress reports to the Commission that include all of the following:

- e. The date that construction commences;*
- f. Major construction and environmental milestones, including permits obtained, by agency, subject, and date;*
- g. Summaries of the status of construction, the anticipated in service date, and the overall percent of physical completion;*
- h. The date that the facilities are placed in service.*

Respectfully submitted,

/s/ Theodore T. Eidukas

Theodore T. Eidukas

Vice President -

State Regulatory Affairs

WEC Energy Group

Wisconsin Public Service Corp.

/s/ Scott R. Smith

Scott R. Smith

Assistant Vice President -

Business and Regulatory Strategy

Madison Gas and Electric Co.

Attachment

Wisconsin Public Service Corporation & Madison Gas and Electric Company
 5-BS-228, 9696-CE-100, 9696-CE-101, 9697-CE-100, 9697-CE-101
 Two Creeks & Badger Hollow I Solar Parks
 1st Quarter 2020 Progress Report

1. Major Construction Milestones - Two Creeks

Construction Milestones:	Plan	Actual
Mobilization	August 2019	August 2019
Start of Post Installation	October 2019	September 2019
Start of Module Installation	June 2020	
Start of Commissioning	October 2020	
In-Service	December 2020	

2. Summary Status of Construction - Two Creeks

- The commencement of construction occurred on August 26, 2019.
- At the end of the reporting period, the overall percent of physical completion was 30% and the following work was in-progress:
 - Site preparation and site roads
 - Medium voltage cable, fiber optic and DC cable trenching and installation
 - Inverter foundations
 - Solar array pile installation
 - Tracker installation
 - Collector Substation, and
 - Gen-tie line & Interconnection facilities

3. Status of Permits & Studies – Two Creeks

Solar Array Permits	Update
DNR Pond Permit	Issued 5/17/2019
DNR Culvert Permit	Issued 5/17/2019. Culvert installed at O&M building. Permit closed via email to WDNR on 02/18/2020
DNR Wetland Fill Permit	Issued 5/17/2019
DNR WPDES Construction Storm-water Permit	Issued on 8/20/2019. An amendment update was submitted to WDNR on 12/03/2019.
Gen-Tie Line Permits	Update
DNR Wetland Fill and Temporary Bridge	Issued 5/17/2019
DNR WPDES Construction Storm-water Permit	Issued on 1/10/2020. An amendment update was submitted to WDNR on 04/16/2020 and WDNR confirmed the permit amendment.
Studies	Update
Sound Study	Post Construction Sound Study to be completed within 3 months of operating at full capacity
Avian Mortality Study	Western Ecosystems Technologies is developing a draft study protocol for both solar sites which will be shared with PSC and DNR staff.
Vegetation Management Plan	PSC/DNR staff approved the final seed mix on 04/15/2020. The final plan has been reviewed by PSC/DNR staff and is substantially complete.
Decommissioning Study	Final study was submitted to PSCW on 4/23/2020.
Stray Voltage Study	Pre-Construction Report Submitted on 11/01/2019.
T-line GPS Coordinates	As-built locations will be provided to PSC after installation of towers.

Wisconsin Public Service Corporation & Madison Gas and Electric Company
 5-BS-228, 9696-CE-100, 9696-CE-101, 9697-CE-100, 9697-CE-101
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4. Major Construction Milestones – Badger Hollow 1

Construction Milestones:	Plan	Actual
Mobilization	October 2019	October 2019
Start of Post Installation	October 2019	October 2019
Start of Module Installation	June 2020	
Start of Commissioning	October 2020	
In-Service	April 2021*	

* In-Service Date has been moved from 12/2020 to 4/2021 due to delays caused by COVID-19 Pandemic

5. Summary Status of Construction – Badger Hollow 1

- The commencement of construction occurred on October 21, 2019.
- At the end of the reporting period, the overall percent of physical completion was 7% and the following work was in-progress:
 - Site preparation and installation of site roads
 - Medium voltage cable, fiber optic and DC cable trenching and installation
 - Inverter foundation installation
 - Solar array pile installation
 - Collector Substation, and
 - Gen-tie line & Interconnection facilities

6. Status of Permits and Studies – Badger Hollow 1

Solar Array Permits	Update
DNR WPDES Construction Storm-water Permit	Issued on 10/1/2019. An amendment update was submitted to WDNR on 03/31/2020.
Gen-Tie Line Permits	Update
DNR WPDES Construction Storm-water Permit	Issued 10/1/2019. An amendment update was submitted to WDNR on 03/31/2020.
Studies	Update
Sound Study	Post Construction Sound Study will be completed within 3 months of operation at full capacity
Avian Study	Western Ecosystems Technologies is developing a draft study protocol for both solar sites which will be shared with PSC & DNR.
Vegetation Management Plan	A Ground Cover Strategy Plan was submitted as part of the CPCN application. Invenergy will contact PSC staff to confirm whether the existing strategy is acceptable.
Decommissioning Study	Final study will be submitted to PSC in 2Q 2020
Stray Voltage Study	Completed testing at 14 of 21 locations prior to winter. Remaining sites will be tested in Q2.
T-line GPS Coordinates	Final engineering positions were uploaded to ERF on 4/23/20.

7. Actual Costs- Two Creeks and Badger Hollow

- Actual project costs through 3/31/2020 were \$198.8 million and the estimate at completion is \$389.7 million.