



Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street
Chicago, IL 60611

Legislation Details (With Text)

File #: 19-0007 **Version:** 1

Type: Agenda Item **Status:** Adopted

File created: 12/20/2018 **In control:** Monitoring & Research Committee

On agenda: 1/10/2019 **Final action:** 1/10/2019

Title: Authorization to enter into a Stevenson-Wydler Cooperative Research and Development Agreement for Project Collaboration with Fermi Research Alliance, LLC

Sponsors:

Indexes:

Code sections:

Attachments:

| Date | Ver. | Action By | Action | Result |
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| 1/10/2019 | 1 | Board of Commissioners | Approved | Pass |
| 1/10/2019 | 1 | Committee of the Whole | Recommended | Pass |

TRANSMITTAL LETTER FOR BOARD MEETING OF JANUARY 10, 2019

COMMITTEE ON MONITORING AND RESEARCH

Mr. Brian A. Perkovich, Executive Director

Authorization to enter into a Stevenson-Wydler Cooperative Research and Development Agreement for Project Collaboration with Fermi Research Alliance, LLC

Dear Sir:

Authorization is requested to enter into Stevenson-Wydler Cooperative Research and Development Agreement (CRADA) No. FRA-2018-0020 with Fermi Research Alliance, LLC (Fermi) for collaboration on a project entitled "Evaluation of E-Beam for Wastewater and Biosolids Treatment Applications." This project has a term of four years.

Fermi is developing electron beam (E-beam) technology for recovering resources and treatment of wastewater and biosolids. An E-beam accelerator developed by Fermi will be used to treat samples of wastewater and biosolids from the Metropolitan Water Reclamation District of Greater Chicago (District) water reclamation plants. The samples will be analyzed at the District's laboratories before and after the E-beam treatment and the analytical data will be used to evaluate the effectiveness of the treatment and provide information for development of the E-beam technology specifications. The District and Fermi contributions to this project include treatment of samples by electron beam, chemical and microbiological analyses, data analysis, and reporting. There is no cost to the District as a result of entering into the CRADA.

Approval is requested from the Board of Commissioners to enter into a Stevenson-Wydler Cooperative Research and Development Agreement with Fermi, and to grant authority to the Executive Director and the Director of Monitoring and Research to execute documents as necessary to effectuate this agreement.

Requested, Edward W. Podczerwinski, Director of Monitoring and Research, EWP:KB:HZ:kq

Respectfully Submitted, Kari K. Steele, Chairman Committee on Monitoring and Research
Disposition of this agenda item will be documented in the official Regular Board Meeting Minutes of the Board of Commissioners for January 10, 2019