ERCOT-FESTIV Modeling

Cooperative Research and Development Final Report

CRADA Number: CRD-15-584

NREL Technical Contact: Ibrahim Krad

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Parties to the Agreement: Electric Reliability Council of Texas (ERCOT)

CRADA Number: CRD-15-584

CRADA Title: ERCOT – FESTIV Modeling

Joint Work Statement Funding Table Showing DOE Commitment:

<table>
<thead>
<tr>
<th>Estimated Costs</th>
<th>NREL Shared Resources</th>
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</thead>
<tbody>
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<td>Year 1</td>
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</tr>
<tr>
<td>TOTALS</td>
<td>$10,760.00</td>
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</tbody>
</table>

Abstract of CRADA Work:

Ibrahim Krad will travel to ERCOT Austin Headquarters for one month to help develop the ERCOT FESTIV model and train ERCOT staff to operate the model.

Summary of Research Results:

Ibrahim successfully developed the fully nodal ERCOT model as well as a reduced zonal model for use with the FESTIV tool. Model was demonstrated in front of ERCOT engineers and ERCOT engineers were shown how to use the model themselves.

Subject Inventions Listing:

None

Report Date:

1/27/16

Responsible Technical Contact at Alliance/NREL:

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