

Hurricane Maria NCST Investigation Project Management

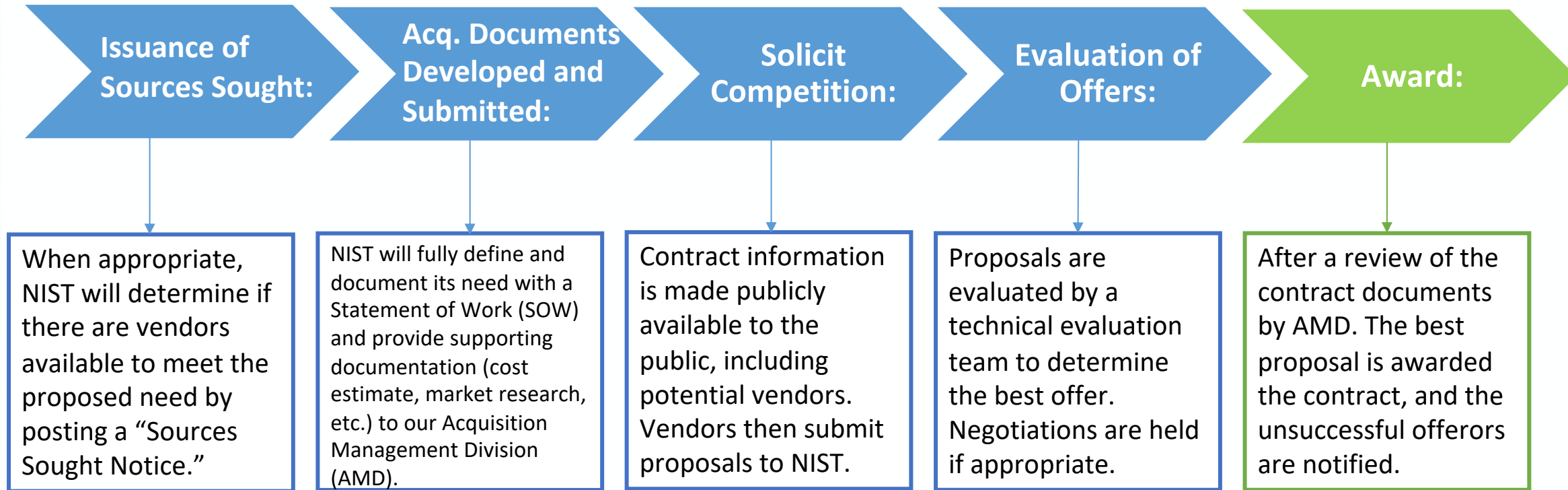
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Project Management

- The Hurricane Maria Program is using two statutory authorities (NCST and NWIRP), eight supporting contracts, and a large team of NIST employees, Guest Researches, NIST Associates, and Contractors.
- NIST began planning for the Hurricane Maria NCST Investigation shortly after the event in September of 2017. However, the NCST Act was not invoked until February of 2018.
- During the June 2020 NCSTAC Meeting the Committee asked how long it took NIST to award the contracts supporting the Hurricane Maria Program. This presentation has been created to provide context to the contracts awarded and their associated timelines.

Contract Award Process Flow*

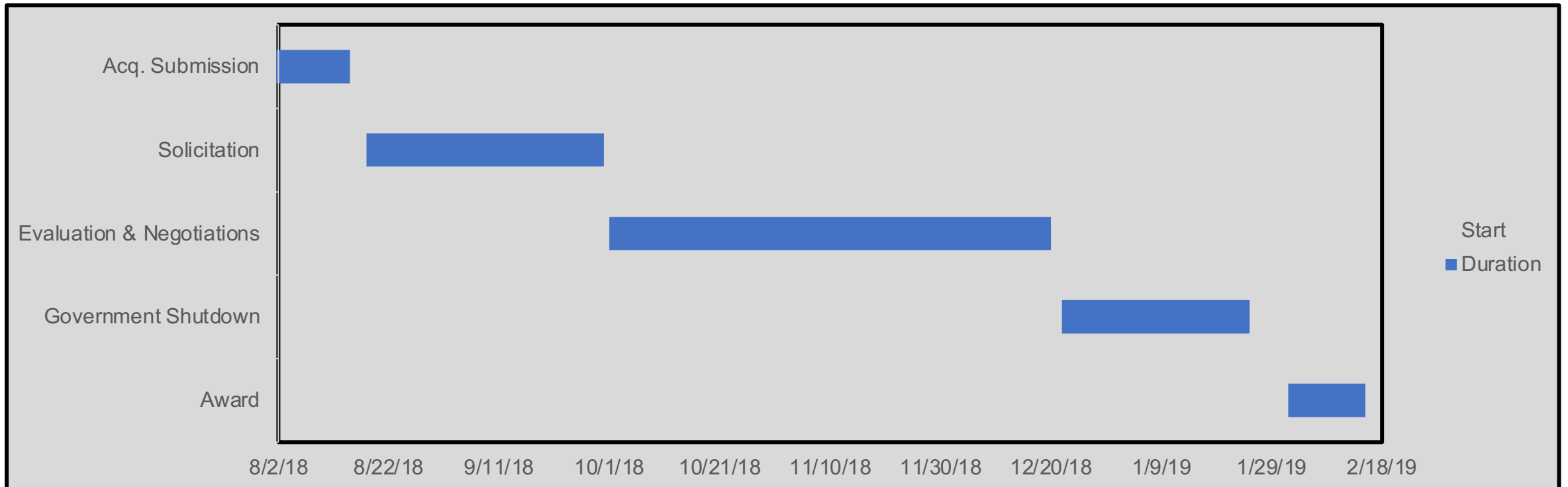


*Depending upon the type of acquisition (task order under an IDIQ or a new contract) and approach some steps may vary, this is a high-level overview of the acquisition process followed by the Hurricane Maria Program.

Due to the statutory-related work involved the NIST Office of Chief Counsel (OCC) provided input on contract documents.

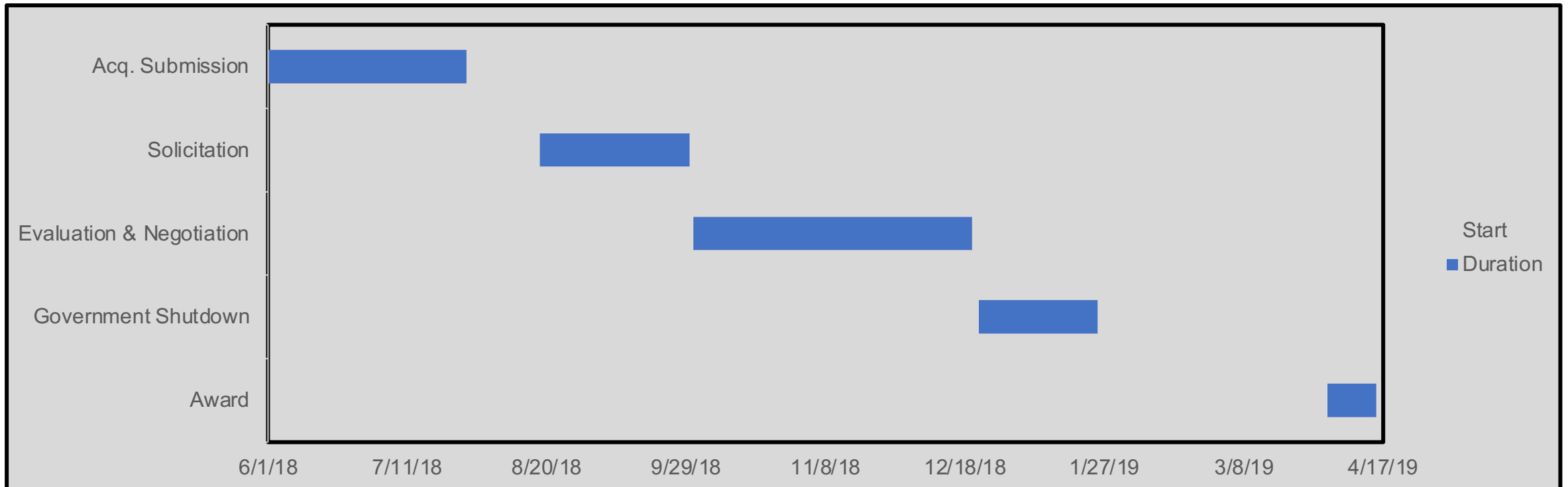
Technical Writing Support Contract

- Award Amount: \$84,546.01
- Complexity: Low
- Availability: High
- Acquisition Time: 7 months (August 2018 to February 2019)
- Function: Support the technical writing needs (e.g., reports) of the Hurricane Maria Program



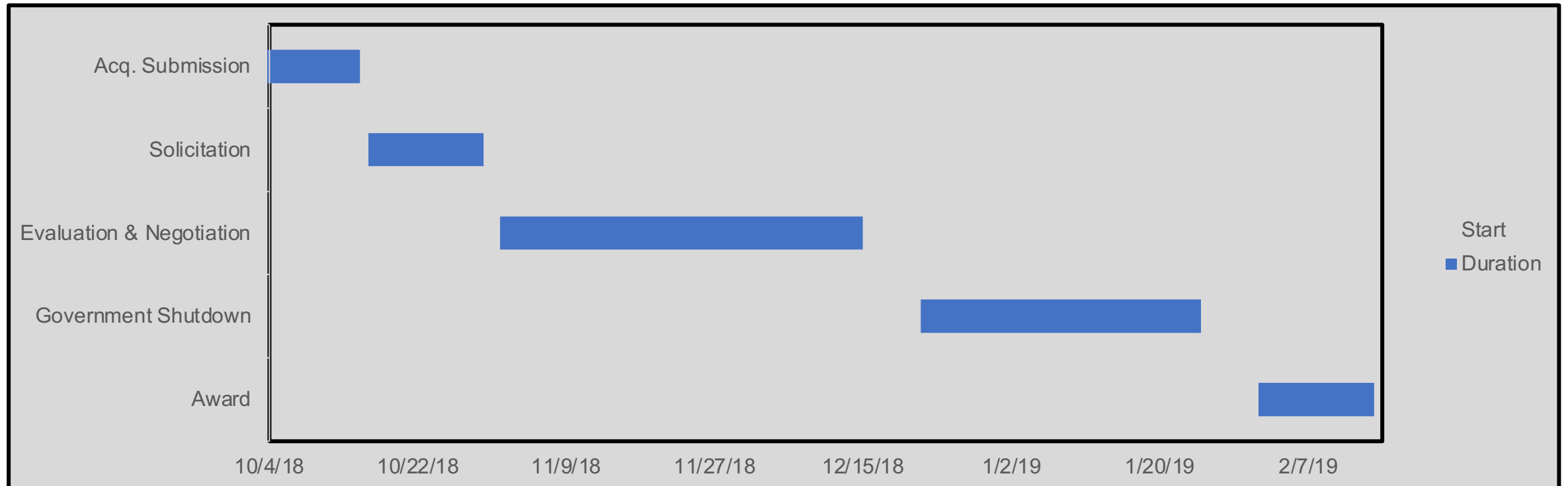
Translation Support Contract

- Award Amount: \$315,621
- Complexity: Low
- Availability: High
- Acquisition Time: 11 months (June 2018 to April 2019)
- Function: Support the translation needs of the Hurricane Maria Program



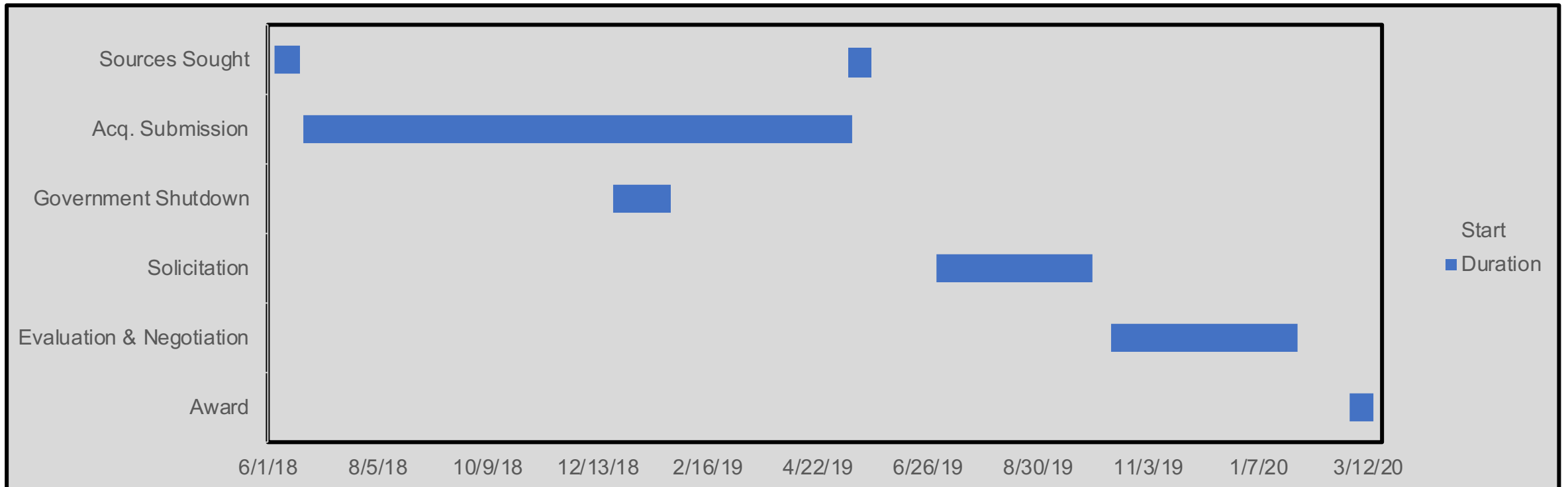
Stakeholder Outreach Support

- Award Amount: \$70,082.22
- Complexity: Medium
- Service Availability: Medium
- Acquisition Time: 5 months (October 2018 to February 2019)
- Function: Provide the Hurricane Maria Program with stakeholder outreach support



Local Engineering Contract

- Award Amount: \$599,571.07
- Complexity: High
- Service Availability: Low
- Acquisition Time: 22 months (June 2018 to March of 2020)
- Function: Support the Hurricane Maria Program's needs for evaluation of critical building performance

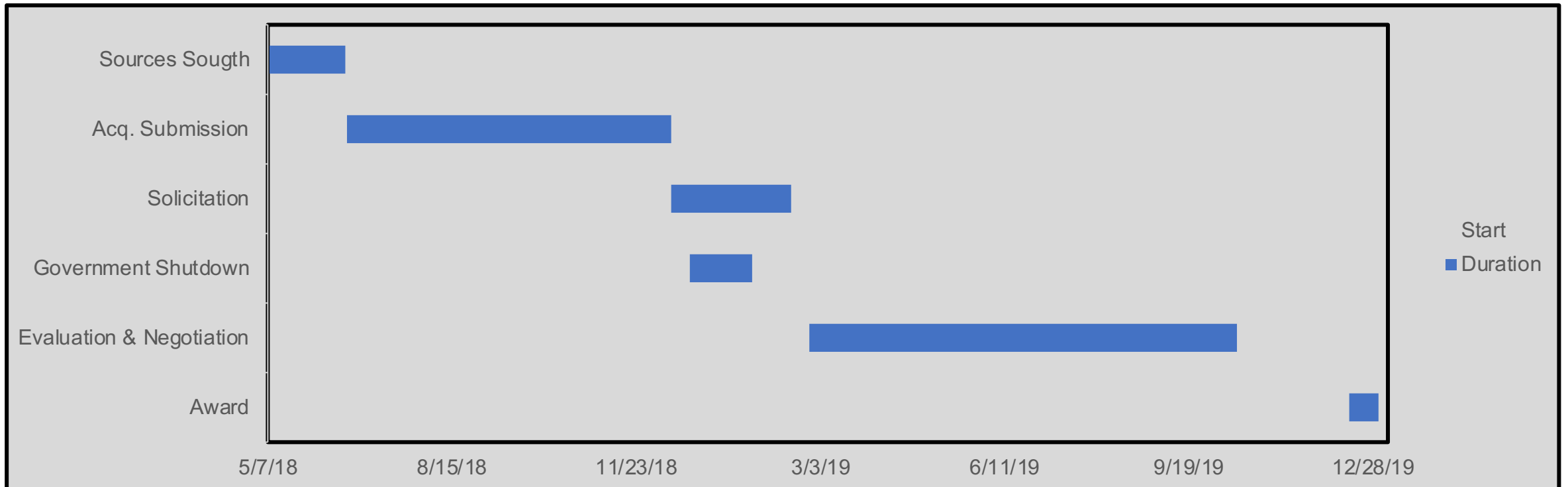


Local Engineering Contract

- 2018 June: Sources Sought posted/closed
- 2018 June – Aug: Team drafts SOW
- 2018 August: Team submits procurement package to EL
- 2018 August: EL approves purchase request and submits to AMD
- 2018 October: AMD provides comments and questions on SOW
- 2018 Oct – 2019 Mar: Team revises SOW with several rounds of input and feedback from AMD
- 2018 Dec – 2019 Jan: Government shutdown
- 2019 March – April: Team revises SOW per additional comments from AMD
- 2019 May: Team prepares additional documents requested by AMD (Evaluation Factors, Quality Assurance/Surveillance Plan, Multi-Year Determination)
- 2019 June: Updated Sources Sought posted due to request from Office of Small & Disadvantaged Business Utilization (OSDBU)
- 2019 June: Updated Sources Sought closes
- 2019 June: Team completes evaluation of responses to Sources Sought
- 2019 July: AMD obtains approval from OSDBU for full and open competition
- 2019 July: AMD posts solicitation
- 2019 July: Question and Answer period closes with 41 questions received
- 2019 August: Team drafts responses to questions with input from OCC and AMD
- 2019 August : OCC reviews SOW and provides comments and edits
- 2019 August : Team revises SOW to address comments from OCC
- 2019 September: OCC reviews solicitation amendment, including SOW, Q&A, and clauses
- 2019 October: Amended solicitation posted/closed
- 2019 December: Team completes consensus technical evaluations
- 2019 December: Team receives price quotations
- 2020 January: Team completes price quotation evaluations
- 2020 March: Contract awarded; Period of Performance begins

Survey Research Contract

- Award Amount: \$2,013,104.22
- Complexity: High
- Service Availability: Low
- Acquisition Time: 20 months (May 2018 to December 2019)
- Function: Support the Hurricane Maria Program social science survey and interview data collection needs

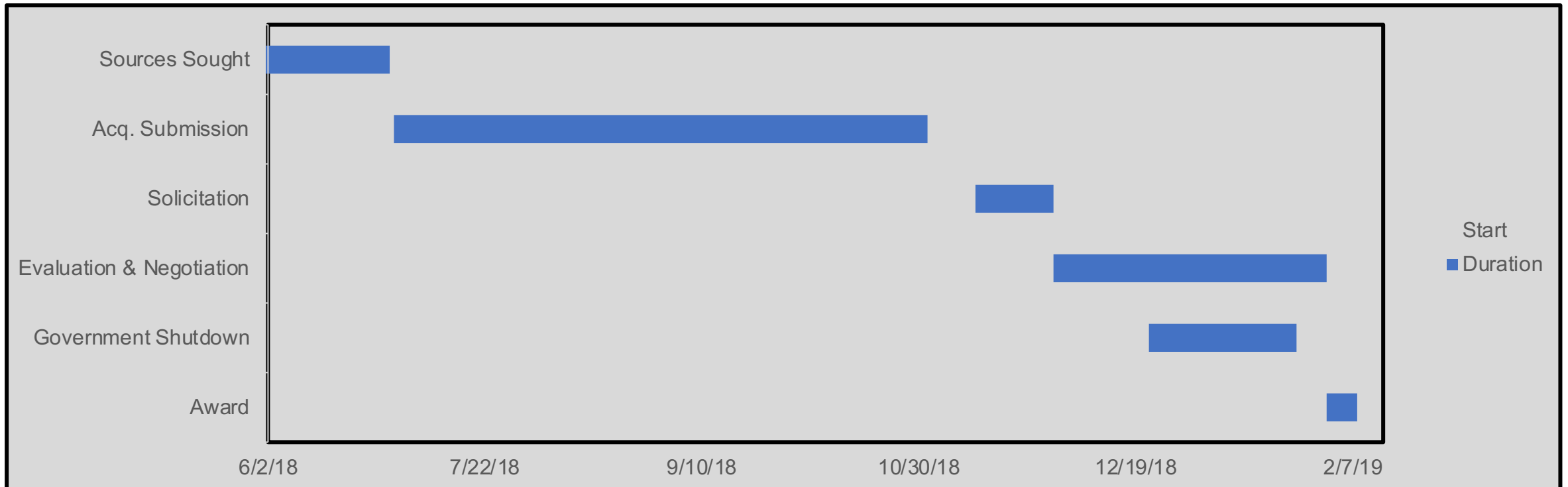


Survey Research Contract

- 2018 May: Sources Sought posted/closed
- 2018 June: Sources Sought analysis completed
- 2018 June: Contract SOW draft developed
- 2018 August: Team revised SOW per AMD comments
- 2018 September: Team revised SOW per second round of AMD comments
- 2018 October: AMD finalized SOW
- 2018 November: OCC review of SOW and contract clauses
- 2018 December: Solicitation posted
- 2018 Dec – 2019 Jan: Government shutdown
- 2019 February: Solicitation closed
- 2019 April: Consensus technical evaluations completed
- 2019 May: Revised technical evaluations completed
- 2019 May: Price quotations received by technical evaluation team (TET)
- 2019 June: Price quotation evaluations complete
- 2019 August: First round of negotiations completed with offerors
- 2019 October: Second round of negotiations completed with offerors
- 2019 December: Contract awarded
- 2020 January: Contract Period of Performance begins

Wind Mapping Contract

- Award Amount: \$294,959.22
- Complexity: High
- Service Availability: Low
- Acquisition Time: 9 months (June 2018 to February 2019)
- Function: Support the Hurricane Maria Program's data analysis and hurricane wind field modeling needs

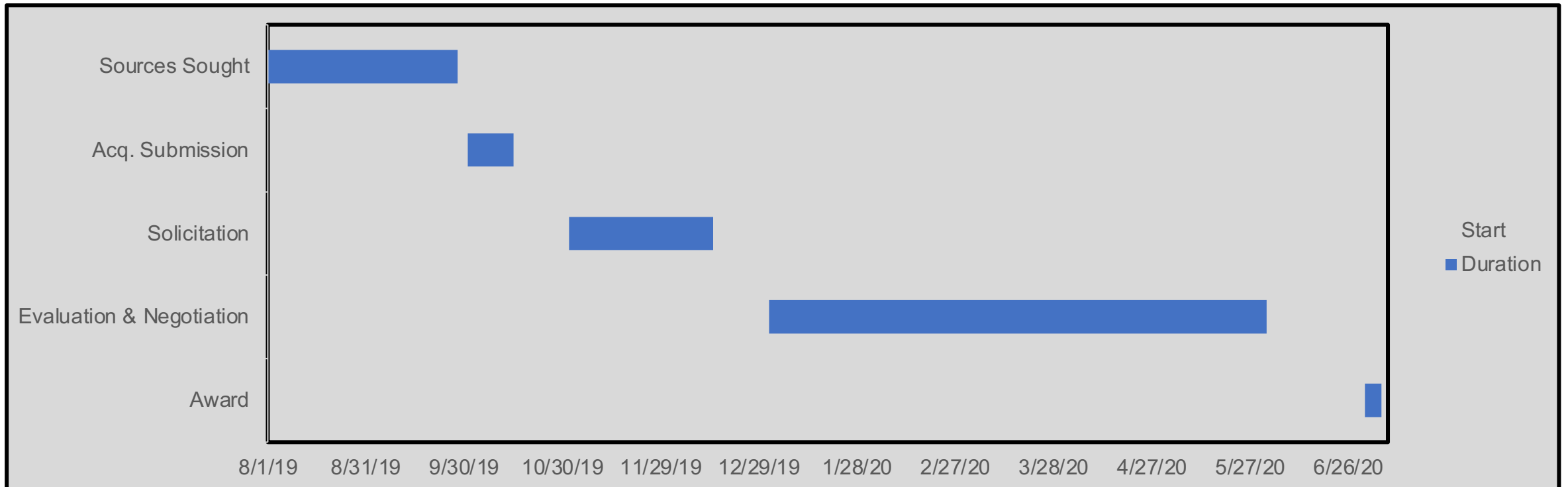


Wind Mapping Contract

- 2018 May: Team drafts SOW
- 2018 May: Team provides Sources Sought to AMD
- 2018 June: Sources Sought opened/closed
- 2018 July: Team submits procurement package to EL
- 2018 August: EL approved purchase request and submits to AMD
- 2018 October: AMD accepts Purchase Request following initial review
- 2018 October: AMD approves Sole Source request
- 2018 October: Team revises SOW per AMD comments
- 2018 November: AMD obtains Small Business Approval
- 2018 November: AMD sends solicitation sent to Offeror
- 2018 November: Offeror submits quotation
- 2018 November: AMD sends amended SOW to Offeror w/ revised NCST clauses from OCC
- 2018 December: Team completes technical and price evaluations
- 2018 December: Offeror submits revised quotation in response to amended SOW
- 2018 Dec – 2019 Jan: Government shutdown
- 2019 February: OCC/AMD/HM Team/ARA all agree on revised contract clauses
- 2019 February: Team completes technical evaluation on revised proposal
- 2019 February: Contract awarded; Period of Performance begins.

Mortality Contract

- Award Amount: \$939,825.00
- Complexity: High
- Service Availability: Low
- Acquisition Time: 12 months (August 2019 to July 2020)
- Function: Support the Hurricane Maria Program's in-depth analysis of death and injuries



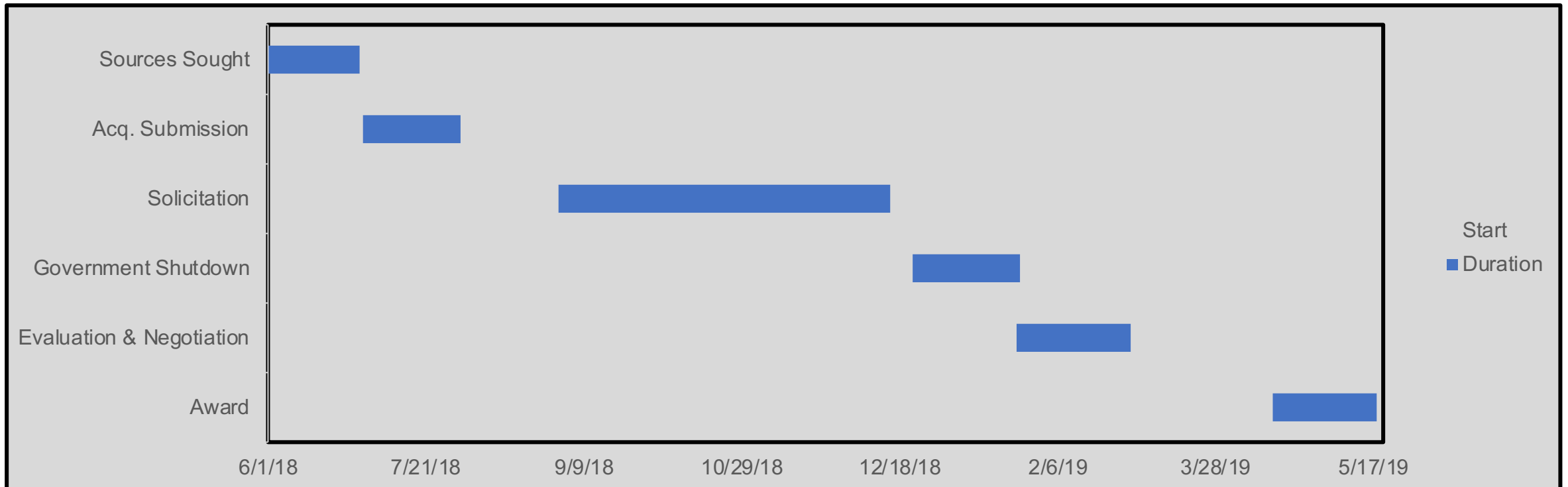
Mortality Contract Timeline*

- 2019 August: Sources Sought posted
- 2019 September: Sources Sought closed
- 2019 September: Sources Sought analysis completed
- 2019 October: Updated SOW submitted to AMD
- 2019 November: Solicitation posted
- 2019 December: Solicitation closed
- 2020 January: Individual evaluations completed
- 2020 February: Consensus evaluation completed
- 2020 March: First round of negotiations completed with Offeror(s)
- 2020 April: Revised consensus evaluation completed
- 2020 May: Second round of negotiations completed with Offeror(s)
- 2020 June: Quotation evaluation completed
- 2020 July: Contract awarded; Period of Performance begins

*From July of 2018 to March of 2019 NIST had an Intra-Agency Agreement (IAA) with the National Center for Disaster Medicine and Public Health (NCDMPH) to scope the needs of the mortality contract.

Wind Tunnel Testing Contract

- Award Amount: \$393,103.00
- Complexity: High
- Service Availability: Low
- Acquisition Time: 12 months (June 2018 to May 2019)
- Function: Support the Hurricane Maria Program wind tunnel testing and field measurement needs



Wind Tunnel Testing Contract Timeline

- 2018 June: Sources Sought posted/closed
- 2018 June – Aug: Team drafts SOW
- 2018 August: Team submits procurement package to EL
- 2018 August: EL approves purchase request and submits to AMD
- 2018 September: AMD accepts Purchase Request following initial review
- 2018 October: AMD approves Sole Source request
- 2018 November: Team revises SOW per AMD comments
- 2018 December: AMD drafts solicitation package and obtains Small Business Approval
- 2018 December: AMD sends solicitation to Offeror
- 2018 Dec – 2019 Jan: Government shutdown
- 2019 January: Offeror submits quotation and raises concerns about NCST clauses
- 2019 February: Coordination with Offeror, AMD, and OCC on revision of NCST clauses
- 2019 February: Negotiation with Offeror on reduced scope of work
- 2019 March: AMD sends amended SOW to Offeror w/ revised NCST clauses from OCC
- 2019 April: Offeror submits revised quotation in response to amended SOW
- 2019 April: Team completes technical and price evaluations
- 2019 April: Contract awarded
- 2019 May: Offeror signs contract after additional discussion of NCST clauses
- 2019 May: Contract Period of Performance begins

Hurricane Maria Contract Considerations

- There are several factors that need to be taken into consideration when evaluating the timeframe to award the contracts supporting the Hurricane Maria Program:
 - Preliminary observations were made on site in Puerto Rico in December of 2017 with a second reconnaissance trip in August 2018. The NCST Investigation began in February of 2018.
 - The development of the SOWs represented substantial effort; much of this work has not previously been conducted by NIST.
 - All contracts supporting the Hurricane Maria Program were required to include certain clauses which limited the contractor's ability to report, acquire data rights, and copyrights. This added a layer of complexity to negotiating with potential contract awardees.
 - Although the government shutdown only lasted approximately one month (Dec. 22, 2019- Jan. 25, 2020) it had a nonlinear affect. One month of shutdown does not equal one month of delay in these processes.
 - The priority for all the contracts awarded was to ensure that our funds and efforts would yield the highest quality of data which is in alignment with NIST's core values.

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Questions?

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