Exhibit C2 - Timeline/Milestones

5   Timeline

Project timeline is outlined in great detail in **Table 7**.

Table 7.   Project Timeline by Task

Task #	Task/Subtask	Deliverable (How will results be reported)	Start Date	End Date	Organization Responsible
1	**Project Management**				
1.1	Work Plan Development	Submission of a detailed work plan prior to implementation of Air Rangers III	Month 1	Month 2	GWR
1.2	Co-Executive Director	Set-Up Grant Agreement; Contracts with Sub Consultants; Work Plan for Project Coordinator	Month 1	Month 3	GWR
1.3	Project Coordinator	Set-Up Workplan for Personnel and Sub Consultants	Month 1	Month 3	GWR
2	**Air Monitoring**				
2.1	Determine sensor installation location	Prepare and deploy a webpage-based tool to solicit suggestions from the community on sensor locations	Month 3	Month 4	GWR, Ramboll
2.2	Review feedback and identify sites	List of sites will be prepared	Month 4	Month 5	GWR, Ramboll

Task #	Task/Subtask	Deliverable (How will results be reported)	Start Date	End Date	Organization Responsible
2.3	Deploy new PurpleAir sensors and utilize existing PurpleAir sensor network.	Acquiring 35 additional PurpleAir monitors and leverage existing PurpleAir sensor network for incorporation into Shair.	Month 5	Month 36	GWR, Ramboll
2.4	Sensor Quality Assurance	Work with regulatory air monitor operators to provide additional quality assurance for performance evaluation of sensors.	Month 5	Month 6	GWR
2.5	Deployment of Shair	Shair will be live for the public	Month 9	Month 32	Ramboll
2.6	Demonstration of Shair	Demonstrate to the community how to use Shair and include the features in newsletters and social media platforms.	Month 9	Month 12	
2.7	Produce a wildfire smoke module within Shair	Deploy module in Shair to show impacts of wildfires	Month 9	Month 32	Ramboll
2.8	Isolate the Chevron refinery source and estimate the real-time contribution of the Chevron refinery on air quality in the community	Presentation of Shair sensor-based modelled data with refinery source temporal variation	Month 9	Month 32	Ramboll

Task #	Task/Subtask	Deliverable (How will results be reported)	Start Date	End Date	Organization Responsible
2.9	Evaluate flaring impacts	Evaluate flaring from refinery in real time if data is available or retrospectively to evaluate its impacts. Incorporate as a Shair module.	Month 9	Month 32	Ramboll
3	**Community Engagement**				
3.1	Analyse data and build a multilingual dashboard for visualization of 12 months of air quality data.	Development of multilingual dashboard and disseminate into the community	Month 30	Month 34	Ramboll
3.2	Train young community members for entry into STEM fields	Reaching a greater number of youth through training and mentorship through GWR and Ramboll	Month 3	Month 36	GWR, Ramboll

Task #	Task/Subtask	Deliverable (How will results be reported)	Start Date	End Date	Organization Responsible
3.3	Work with the City of Richmond to identify screens to display live maps of community-level air quality in different parts of Richmond and source allocation of air quality	Identifying community screens for data sharing and Implementing air quality displays on community screens.	Month 6	Month 36	GWR, City of Richmond, Ramboll
4	**Workforce Development**				
4.1	Host PurpleAir monitoring training presentations	Community member success in applying skills learned in trainings to maintain and upkeep low cost sensors and creation of social media posts to engage with the Richmond community on local air quality news, alerts, and guidelines.	Month 6	Month 30	GWR, Ramboll
4.2	Train young community members into STEM fields	Coach up to 5 individuals into junior STEM positions by the end of the program	Month 3	Month 36	Ramboll
5	**Reporting**				
5.1	Biannual Reporting	Prepare Biannual reports highlighting progress	Months 6, 12, 18, 24, 30	Month 36	GWR

Task #	Task/Subtask	Deliverable (How will results be reported)	Start Date	End Date	Organization Responsible
5.2	Final Report	Prepare one report at the end of the project with a summary of all findings and future implications	Month 34	Month 36	GWR

6   Programmatic Alignment

   a. **How does the proposed project lead toward identifying, evaluating and/or reducing exposure to, or facilitating the emission reductions of air toxics and criteria air pollutants from stationary and/or mobile sources in CA communities.**

The City of Richmond is home to a unique and complex set of air pollution emissions sources, including the state's largest oil refinery, two major interstate highways, metals processing, and a commercial port, among others. Prior to Air Rangers and Air Rangers II, there were few monitoring sites in Richmond neighborhoods most susceptible to these emissions. Air Rangers III will both continue and expand on the work from Air Rangers I and II to provide more data collection and analysis, and engagement opportunities to the community. An additional two years of data collection, modeling, and reporting will allow for extensive analysis during the third year for the community to explore trends more thoroughly in source apportionment, and hotspots via Shair. Air Rangers III will provide more time and resources to establish stronger air quality knowledge through different community engagement initiatives to allow the community to monitor and advocate. Further, new monitoring components (e.g., the air quality dashboard, wildfire smoke module and refinery source allocation tools) are in-line with the community identified concerns within community steering committee meetings and will improve engagement with community members with diverse backgrounds and language needs. The PurpleAir sensors purchased with this grant can continue operating after the end of the grant period, providing further air quality information to make informed decisions about emission and exposure reductions beyond the scope of this grant.

As stated in the Request for Applications of the AB 617 and the Community Air Grants, this program was developed to support community participation, and to build capacity for communities to become active partners with government to identify, evaluate, and ultimately reduce air pollution and harmful exposures within their community[18]. Through the collection, analysis, and community engagement efforts surrounding air pollution

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[18] California Air Resources Board AB 617 Community Air Grant Program Request for Applications. July 2021. Page 3. Accessed at: .
https://ww2.arb.ca.gov/sites/default/files/2021-07/1%20Community%20Air%20Grant%20Request%20for%20Applications_1.pdf.