

# AgileWeb

AgileWeb is a pre-built, easy to deploy web site for public health notification.

Users can modify frame, style sheets, etc., without affecting ability to receive updates later.

The screenshot displays the County of San Diego Air Pollution Control District website. The main page features a map of San Diego with various AQI zones highlighted in different colors. A table on the left provides detailed AQI information for the current time.

Hour	AQI	Description	Responsible Pollutant	Activity Caution	Risk Groups
00:00	320	severe	Ozone	Activities should consider reducing strenuous activities.	People with high sensitivity to air quality.
01:00	15	good	Ozone	No health impacts are expected.	
02:00	15	good	Ozone	No health impacts are expected.	
03:00	42	moderate	PM2.5	Unusually sensitive people should consider reducing prolonged or heavy exertion.	People with respiratory ailments.
04:00	96	good	Ozone	No health impacts are expected.	
05:00	28	moderate	Ozone	Activities should consider reducing strenuous activities.	People with high sensitivity to air quality.
06:00	20	moderate	Ozone	Unusually sensitive people should consider reducing prolonged or heavy exertion.	People with respiratory ailments.
07:00	15	good	Ozone	No health impacts are expected.	
08:00	15	good	Ozone	No health impacts are expected.	
09:00	15	good	PM2.5	No health impacts are expected.	
Forecast High for Tomorrow	15	good	Ozone	None	Low groups.

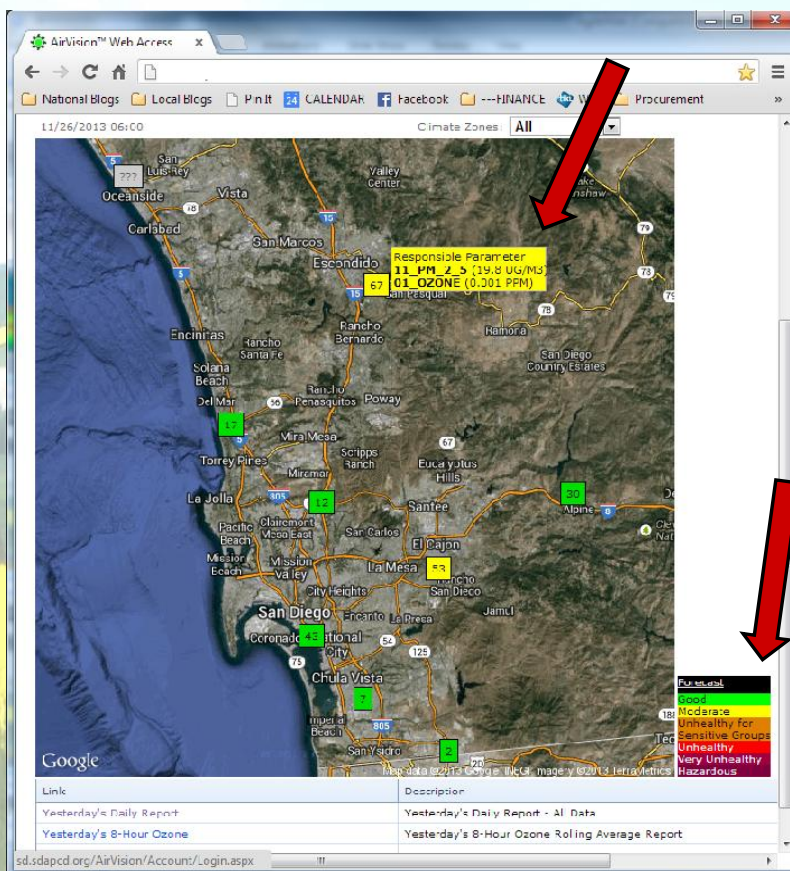
# AgileWeb

The first page offers the user a map view of the network, with latest AQI values/colors.

Can use a static map image, OpenMaps, Google Maps, or Bing Maps.

Mouse hover-over of any site provides responsible pollutant and concentration

AQI legend provided, and is clickable to lead to more detailed information about AQI levels.



# AgileWeb: Report Links

A set of "Web Favorites" for public users can be set at the bottom for easy one-click links to summary reports.

The screenshot displays the AirVision web application interface. At the top, the browser address bar shows "AirVision™ Web Address". Below the browser, there are navigation icons and a menu of links including "National Blogs", "Local Blogs", "P.n It", "CALENDAR", "Facebook", "FINANCE", "WIKI", and "Procurement". The main content area features a map of San Diego with various air quality data points. A yellow callout box over the map displays the following information:

- Responsible Parameter: 11\_PM\_2\_5 (19.8 UG/M3)
- 01\_OZONE (0.001 PPM)

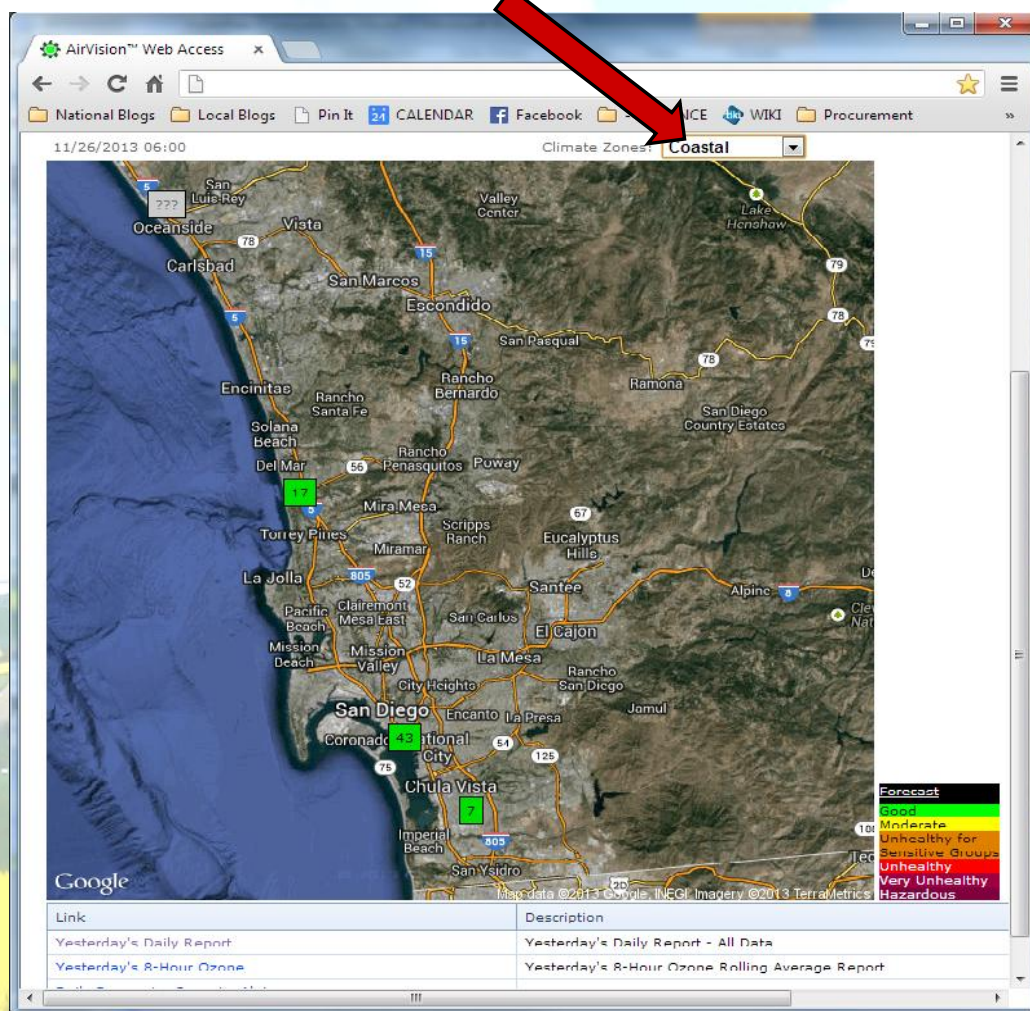
At the bottom of the map, there is a table of report links. A red arrow points to the "Yesterday's 8-Hour Ozone" link. The table is as follows:

Link	Description
<a href="#">Yesterday's Daily Report</a>	Yesterday's Daily Report - All Data
<a href="#">Yesterday's 8-Hour Ozone</a>	Yesterday's 8-Hour Ozone Rolling Average Report

The bottom of the browser window shows the URL: `sd.sdapcd.org/AirVision/Account/Login.aspx`.

# AgileWeb: Site Groupings

A "climate zone" or regional filter (can be renamed) can be used to filter sites to a specific geographic area.



The screenshot shows the AirVision Web Access interface. The browser window title is "AirVision™ Web Access". The address bar shows "National Blogs", "Local Blogs", "Pin It", "CALENDAR", "Facebook", "WIKI", and "Procurement". The date and time are "11/26/2013 06:00". The "Climate Zones" dropdown menu is set to "Coastal". The map displays the San Diego region with various cities and areas labeled. A red arrow points to the "Climate Zones" dropdown menu. A legend in the bottom right corner shows the forecast scale: Good (green), Moderate (yellow), Unhealthy for Sensitive Groups (orange), Unhealthy (red), Very Unhealthy (dark red), and Hazardous (purple). Below the map is a table with two columns: "Link" and "Description".

Link	Description
<a href="#">Yesterday's Daily Report</a>	Yesterday's Daily Report - All Data
<a href="#">Yesterday's 8-Hour Ozone</a>	Yesterday's 8-Hour Ozone Rolling Average Report

## AgileWeb: Site Details

If a user clicks on a site, they drill down to site-specific information:

- History of AQI for the day
- Site photo
- Address
- Monitored parameters
- Forecast data (if entered)

Forecast data is entered via a form on the AirVision Client.



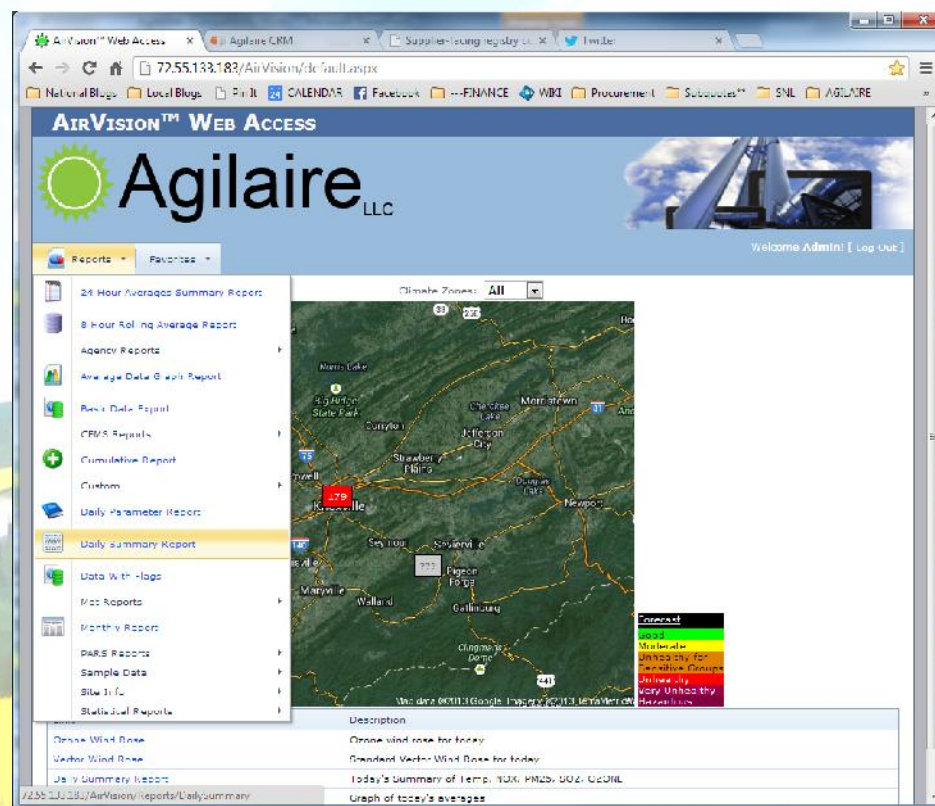
The screenshot displays the AirVision Web Access interface for a site named Miramar. The page includes a header with the Agilaire LLC logo and the text "Environmental Data Management Solutions". Below the header, there is a map section with the address: "MIRAMAR, Address: 612 Co KEARNY VILLA RD, City: Climate Zone: Inland Mass". A small photo of the site is also visible. To the right, under "Monitored Parameters", the value "01\_OZONE, PPM" is shown. At the bottom, there is a table with the following data:

Hour	AQI Class	Responsible Pollutant	Activity Caution	Risk Groups
05:00	12 Good	01_OZONE	None	Children and people with asthma are the groups most at risk.
04:00	14 Good	01_OZONE	None	Children and people with asthma are the groups most at risk.
03:00	15 Good	01_OZONE	None	Children and people with asthma are the groups most at risk.
02:00	15 Good	01_OZONE	None	Children and people with asthma are the groups most at risk.
01:00	16 Good	01_OZONE	None	Children and people with asthma are the groups most at risk.
00:00	18 Good	01_OZONE	None	Children and people with asthma are the groups most at risk.
Forecast High for Tomorrow				

# AgileWeb: Reporting

If you want to provide users the ability to dynamically generate reports (rather than use the fixed favorites), you can select which of the AirVision reports to provide to public users to via access control configuration.

Users can save data in text, HTML, PDF, RTF, image file formats, even generate AQS XML if permitted.



# AgileWeb: Reporting

(The same function can be used to provide web-based reports for intranet users based on their login, so AgileWeb can serve both the public and intranet users with browser-based reports).

The screenshot displays the AgileWeb reporting interface. The top window shows the 'Daily Summary Report' generation screen with the following criteria:

- Start Date: 11/26/2013 00:00
- End Date: 11/26/2013 23:59
- Average Interval: 00:1h

The 'Parameter Selection' table is as follows:

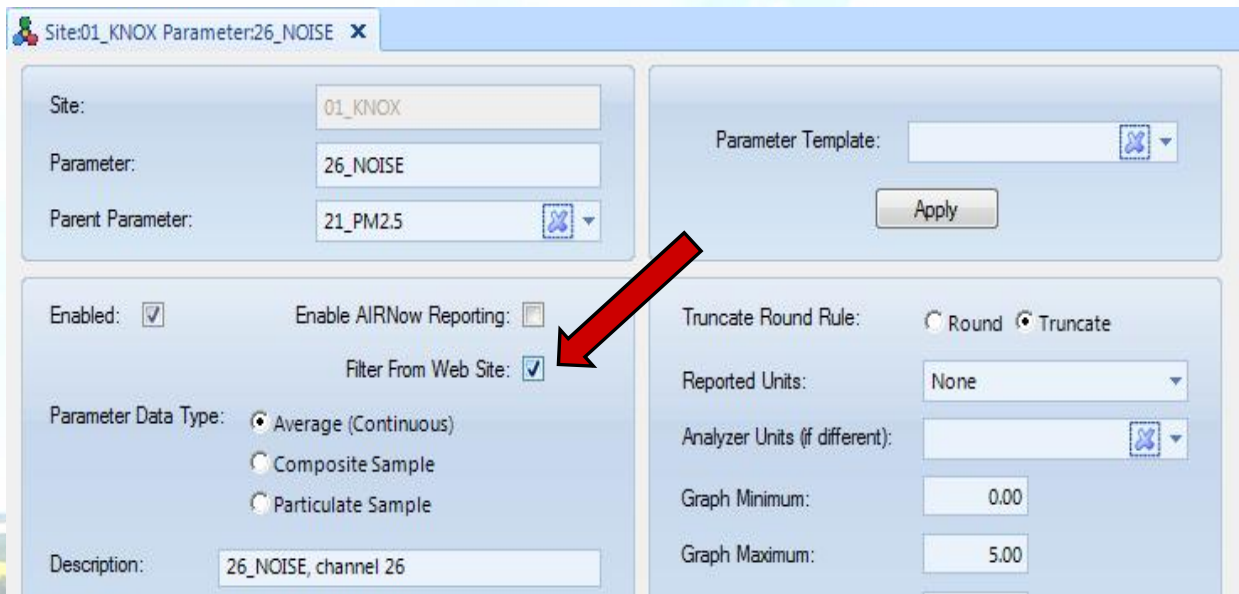
Parameter	Value	Unit	Label
<input type="checkbox"/>	O3_SampleFlow_A		
<input type="checkbox"/>	O3_SampleFlow_B		
<input type="checkbox"/>	O3_SamplePress		
<input checked="" type="checkbox"/>	OZONE	Ozone PPM	OZONE
<input type="checkbox"/>	OZONET	Ozone PPM	OZONE
<input checked="" type="checkbox"/>	PM25	Raw PM2.5	
<input type="checkbox"/>	PM25C	PM2.5 Corrected	PM25C
<input checked="" type="checkbox"/>	RELHUM		
<input type="checkbox"/>	RELHUM_BAR		
<input checked="" type="checkbox"/>	SO2		
<input type="checkbox"/>	SO2_SHN		
<input type="checkbox"/>	SO2_BoxTemp		
<input type="checkbox"/>	SO2_SampleFlow		
<input type="checkbox"/>	SOLAR		
<input type="checkbox"/>	SWDR		
<input type="checkbox"/>	SWSP		

The bottom window shows the 'Report Output' for 'MainStreet' on 11/26/2013 with an interval of 00:1h. The report includes a table of hourly data and a summary table.

Hour	PPM	UG/M3	PERCENT	PPB
00:00	011	134.8 R	<	<
01:00	012	134.7 R	<	<
02:00	011	134.4 R	<	<
03:00	010 C	134.7 R	<	<
04:00	009 P	134.7 R	<	<
05:00	005	134.7 R	<	<
06:00	002	134.4 R	<	<
07:00	002	134.7 R	<	<
08:00				
09:00				
10:00				
11:00				
12:00				
13:00				
14:00				
15:00				
16:00				
17:00				
18:00				
19:00				
20:00				
21:00				
22:00				
23:00				
Avg	008	134.8		
Max	012	134.8	<	<
Hi. of Max	01	00		
Min	002	134.4	<	<
Count	8	8	0	0
Total				

## Filtering

Parameters can be filtered from historical reports in the web site via setting in Site/Parameter Editor (e.g., site temperature, analyzer diagnostics)



The screenshot displays the 'Site/Parameter Editor' window for 'Site:01\_KNOX Parameter:26\_NOISE'. The interface is divided into several sections:

- Site Information:** Site: 01\_KNOX, Parameter: 26\_NOISE, Parent Parameter: 21\_PM2.5.
- Parameter Template:** A dropdown menu with an 'Apply' button.
- Reporting Settings:** Enabled: , Enable AIRNow Reporting: , Filter From Web Site:  (highlighted by a red arrow).
- Parameter Data Type:** Radio buttons for Average (Continuous) (selected), Composite Sample, and Particulate Sample.
- Description:** 26\_NOISE, channel 26.
- Truncate Round Rule:** Radio buttons for Round and Truncate (selected).
- Reported Units:** A dropdown menu set to 'None'.
- Analyzer Units (if different):** A dropdown menu.
- Graph Minimum:** 0.00
- Graph Maximum:** 5.00



## AgileWeb: Requirements

- Microsoft IIS Server on Server 2008 R2 or 2012
- .NET 3.5, 4.0 (and 4.5 starting in 2014)
- IIS Server will need connection to AirVision database, or a mirrored copy of the database.
- Mirroring could be provided through our Sync function, or a scheduled FTP push to a secondary AirVision server if the web site were externally hosted or couldn't be linked to AirVision due to firewall restrictions.

