



Arc RE-ENTRY REPORT - Jul 30, 2020

Arc Scoring Demonstration Project

2099 Pennsylvania Avenue, DC 20006

Report created on Jul 30, 2020

Data for Jul 01, 2020 through Jul 30, 2020

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Arc Re-Entry Scorecard

Arc Scoring Demonstration Project

2099 Pennsylvania Avenue, Washington, DC, 20006



Facility Management

Last response: Jun 10, 2020

Measure	Response	Documentation
Disease control plans, policies and procedures	✓ Yes	NA
Policies, plans, and procedures aligned with authorities	✓ Yes	✗ No
Disease control communication and signage	✓ Yes	✗ No
Hand washing and disinfection	✓ Yes	✗ No
Occupant screening	✓ Yes	✗ No
Sick leave for staff and contractors	✓ Yes	✗ No
Employee health insurance	✓ Yes	✗ No
Social distancing	✓ Yes	✗ No
HVAC system operation	✓ Yes	✗ No
HVAC - increase outdoor air supply	✓ Yes	✗ No
HVAC - increase ventilation rates	✓ Yes	✗ No
HVAC - filtration	✓ Yes	✗ No
Elevator management	✓ Yes	✗ No
Potable water system operation	✓ Yes	✗ No



Occupant Observations

Jul 01, 2020 through Jul 30, 2020

Measure	Response	Total Responses
Building systems operation strategy	✓ Yes	4



Indoor Air Quality

Jul 01, 2020 through Jul 30, 2020

Meter	IAQ Comprehensiveness Score	Response
Relative Humidity	Included	✓ Yes
Indoor Carbon Dioxide	Included	✓ Yes
Indoor TVOC	Included	✓ Yes
Indoor PM 1.0	Excluded	✗ No
Indoor PM 2.5	Included	✓ Yes
Indoor PM 10	Excluded	✗ No

Re-Entry



Arc Re-Entry provides an expanded set of Human Experience metrics help facility managers communicate infection control plans and policies, constructively engage occupants, and measure relevant aspects of indoor air quality. Arc provides a Comprehensiveness Score to summarize management actions and data collection. It is presented as an overall score and for three sub-categories: facility management, occupant observations, and indoor air quality.

Using LEED and WELL

Facility managers may elect to use elements of the LEED or WELL rating systems to inform their policies and procedures. They can reference rating systems or individual credits as authorities. Examples of relevant elements include:

- LEED credits, including [Safety First: Re-Enter Your Workspace](#) and [Safety First: Cleaning and Disinfecting Your Space](#)
- [Strategies from the WELL Building Standard](#), including humidity control ([WELL Feature T07](#)), cleaning products and protocol (WELL Feature X09), and air filtration ([WELL Feature A12](#)).

These and other rating systems are providing timely, best practice-based guidance for facility managers and occupants

Arc RE-ENTRY COMPREHENSIVENESS SCORE

Overall Comprehensiveness Score

31 days ending July 30, 2020



69%



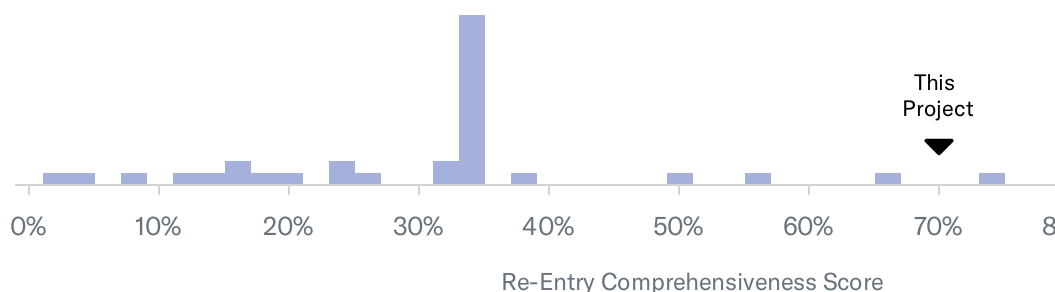
Breakdown

Facility Management: 52%

Occupant Observations: 80%

Indoor Air Quality: 76%

Re-Entry Comprehensiveness Score compared to all projects





Re-Entry (Continued)

Arc RE-ENTRY COMPREHENSIVENESS SCORE (CONTINUED)

Daily average Arc Re-Entry Completeness Score

Last 31 days average

61%



Comprehensiveness Score calculated each day for the last 31 days

Facility Management



The Facility Management Comprehensiveness Score measures the presence of infection control policies and supporting documentation. A score of 100% indicates that the facility as comprehensive set of policies and associated strategies.

FACILITY
MANAGEMENT
SUB-SCORE

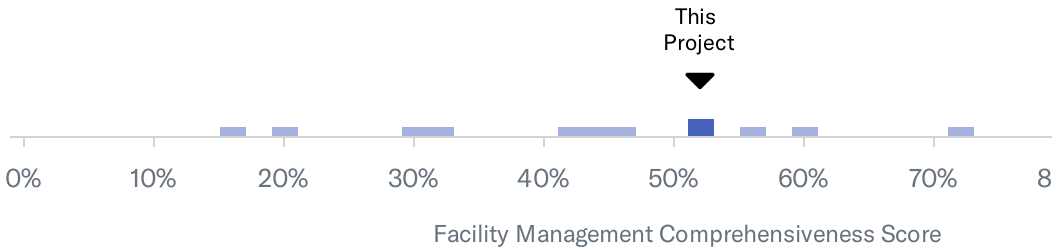
Facility Management

July 30, 2020

52%



Facility Management Comprehensiveness Score compared to all projects





Facility Management (Continued)

FACILITY MANAGEMENT SUB-SCORE (CONTINUED)

Measure	Response/ Average Rate	Documentation
Does the facility or venue have infectious disease control policies, plans, and procedures?	✓ Yes	NA
Are the policies, plans, and procedures aligned with one of more authorities (e.g. government, academic institution)?	✓ Yes	✗ No
Disease control communication and signage	✓ Yes	✗ No
Hand washing and disinfection to address disease transmission (e.g. Safety First: Green Cleaning)	✓ Yes	✗ No
Occupant screening (e.g. symptom or temperature checks)	✓ Yes	✗ No
Paid sick leave (facility or venue staff, contractor)	✓ Yes	✗ No
Health insurance	✓ Yes	✗ No
Physical controls to encourage social distancing (e.g. floor markers, capacity constraints, seat spacing)	✓ Yes	✗ No
HVAC system operation to address disease transmission	✓ Yes	✗ No
Increased outdoor air supply	✓ Yes	✗ No
Increase ventilation rates	✓ Yes	✗ No
Enhance air filtration	✓ Yes	✗ No
Elevator management (e.g. occupancy limits, targeted cleaning)?	✓ Yes	✗ No
Potable water system management (e.g. flush out, testing)?	✓ Yes	✗ No

Improving Facility Management

Many organizations are creating guidance to inform facility management. Authoritative resources directly related to re-entry strategies include:

- U.S. CDC [Interim Guidance](#) for Businesses and Employers Responding to Coronavirus Disease
- ASHRAE [Guidance for Building Operations](#) during the COVID-19 Pandemic
- REHVA [COVID-19 guidance document](#) (April 3, 2020)

More resources are listed in the [Arc Guide to Re-Entry](#).

Occupant Observations



The Occupant Observations Comprehensiveness Score provides an indication of the relationship between occupant experience and the intent of policies and procedures. The Score provides an aggregated measure of how occupants experience management strategies.

OCCUPANT OBSERVATIONS SUB-SCORE

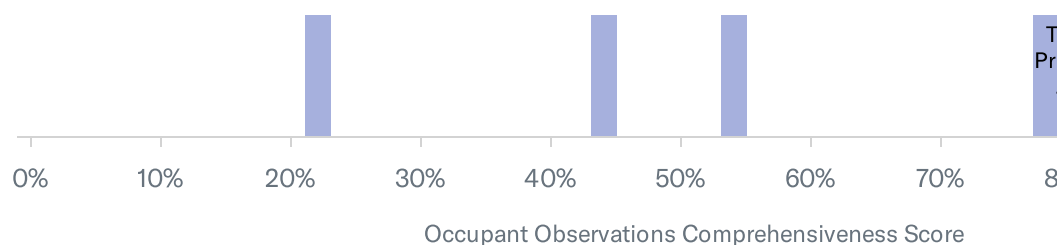
Occupant Observations

July 30, 2020

80%



Occupant Observations Comprehensiveness Score compared to all projects



Occupant Observations survey responses

Cumulative survey responses from Jul 01, 2020 to Jul 30, 2020

— Last 31 days

4 Responses

Responses





Occupant Observations (Continued)

OCCUPANT OBSERVATIONS SUB-SCORE (CONTINUED)

Occupant Observations survey responses

Jul 01, 2020 through Jul 30, 2020

Scope	Management Responses	Tenant Responses	Visitor Responses
Common Space	3	0	0
Tenant Space	0	0	0
Whole Space	0	1	0

Occupant Observations survey responses by Scope and Group

Do you see disease control communication and signage where you expect it?

Scope	Management Responses	Tenant Responses	Visitor Responses
Common Space	Always 	NA 	NA
Tenant Space	NA 	NA 	NA
Whole Space	NA 	Usually 	NA

Do you see occupant screening where you expect it (e.g. at the entrance)?










Scope	Management Responses	Tenant Responses	Visitor Responses
Common Space	Always 	NA 	NA
Tenant Space	NA 	NA 	NA
Whole Space	NA 	Usually 	NA












Occupant Observations (Continued)

OCCUPANT OBSERVATIONS SUB-SCORE (CONTINUED)










Do you have access to hand washing and disinfection where you expect them (e.g. sanitizing gel, wipes)?

Scope	Management Responses	Tenant Responses	Visitor Responses
Common Space	Always 	NA 	NA 
Tenant Space	NA 	NA 	NA 
Whole Space	NA 	Usually 	NA 

Does the facility support social distancing where you need it (e.g. floor markers, capacity constraints, seating spacing)?

Scope	Management Responses	Tenant Responses	Visitor Responses
Common Space	Usually 	NA 	NA 
Tenant Space	NA 	NA 	NA 
Whole Space	NA 	Usually 	NA 

Do people maintain social distance in the space?










Scope	Management Responses	Tenant Responses	Visitor Responses
Common Space	Always 	NA 	NA 
Tenant Space	NA 	NA 	NA 
Whole Space	NA 	Usually 	NA 



Occupant Observations (Continued)

OCCUPANT OBSERVATIONS SUB-SCORE (CONTINUED)

Overall, do you feel protected from disease transmission in this facility or venue?

Scope	Management Responses	Tenant Responses	Visitor Responses
Common Space	Usually 	NA 	NA 
Tenant Space	NA 	NA 	NA 
Whole Space	NA 	Usually 	NA 

Improving Occupant Observations

Many organizations are creating guidance to improve occupant experience related to infection control. Resources include:

- World Health Organization: Getting your workplace ready for COVID-19
- LEED Safety First Pilot Credit: Clean and Disinfect Your Space
- BOMA Getting Back to Work: Preparing Buildings for Re-Entry

More resources are listed in the [Arc Guide to Re-Entry](#).

Indoor Air Quality



The Indoor Air Quality Comprehensiveness Score provides a measure of availability of air quality measurements and conditions over time. The Score included relative humidity, carbon dioxide, total volatile organic compounds, and particulate matter. These are recommended as proxies or indicators of facility management. They are not direct measures of infection risk or disease transmission

INDOOR AIR QUALITY SUB-SCORE

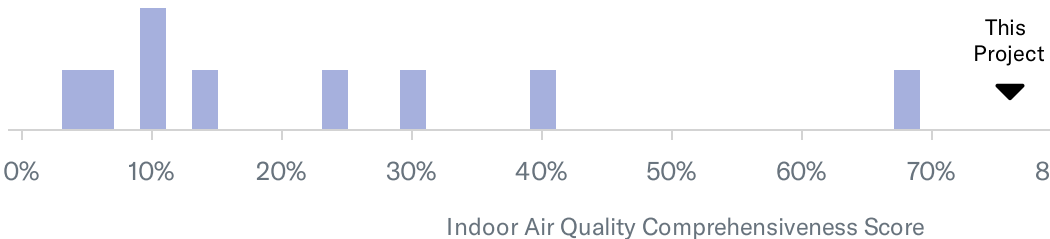
Indoor Air Quality

July 30, 2020

76%



Indoor Air Quality Comprehensiveness Score compared to all projects





Indoor Air Quality (Continued)

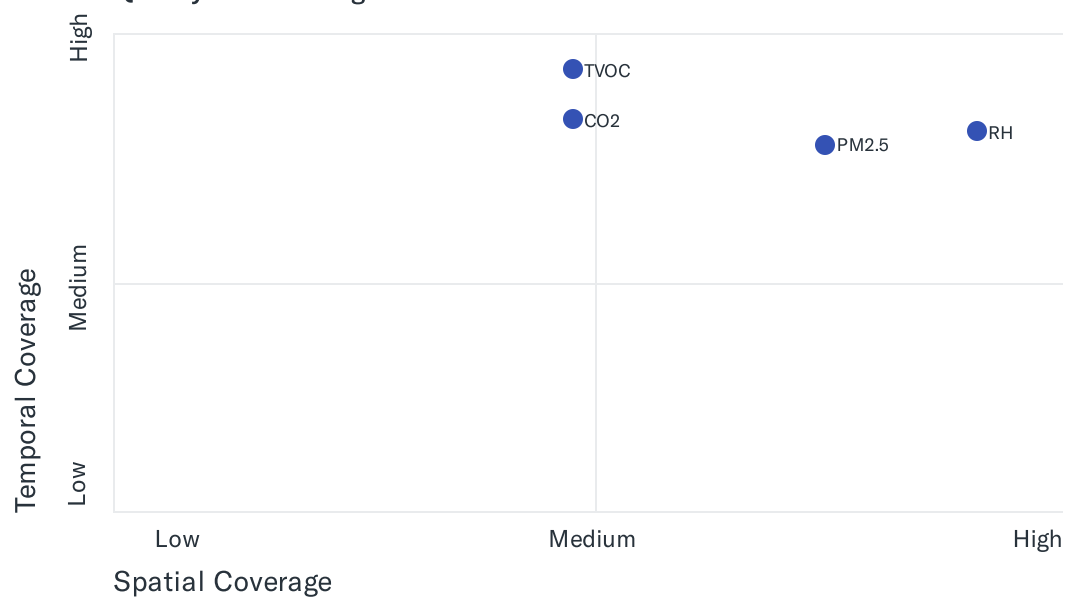
INDOOR AIR QUALITY SUB-SCORE (CONTINUED)

Indoor Air Quality data coverage

Data for Jul 01, 2020 through Jul 30, 2020

Meter	Spatial coverage	Temporal coverage
Relative Humidity	90	78
Interior CO2	50	80
Interior TVOC	50	90
PM1.0	0	0
PM10	0	0
PM2.5	75	75

Indoor Air Quality data coverage matrix



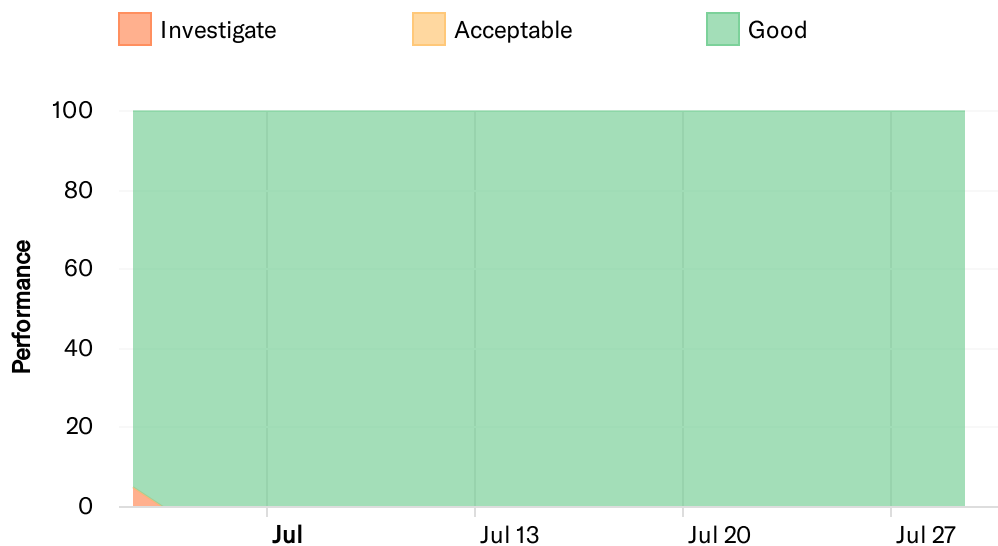


Indoor Air Quality (Continued)

INDOOR AIR QUALITY SUB-SCORE (CONTINUED)

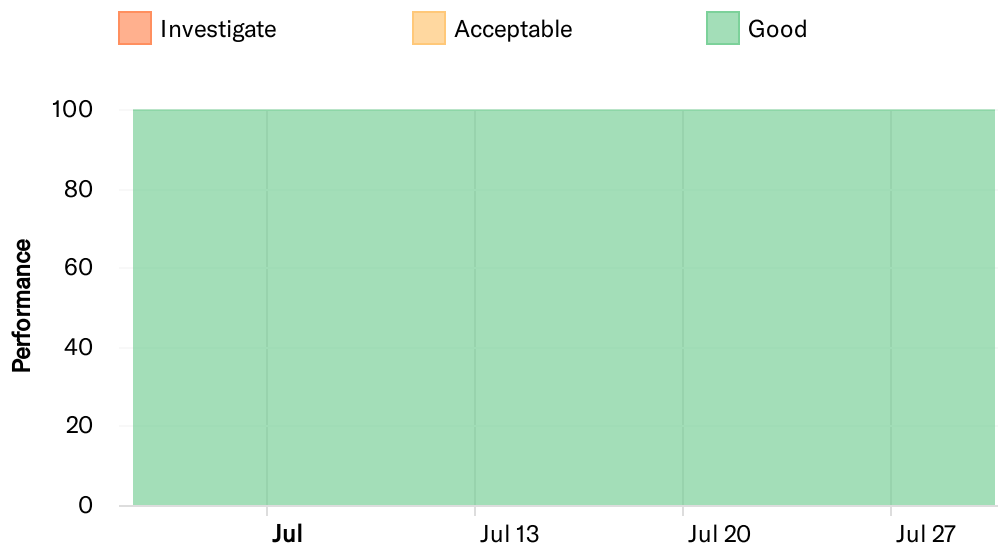
Relative Humidity

Jul 01, 2020 through Jul 30, 2020



Indoor Carbon Dioxide

Jul 01, 2020 through Jul 30, 2020

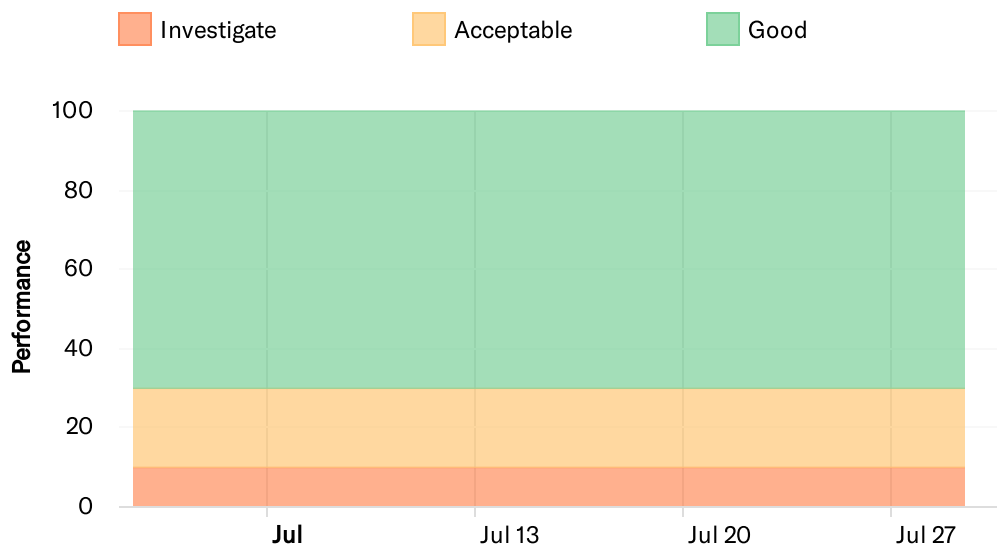


Indoor Air Quality (Continued)

INDOOR AIR QUALITY SUB-SCORE (CONTINUED)

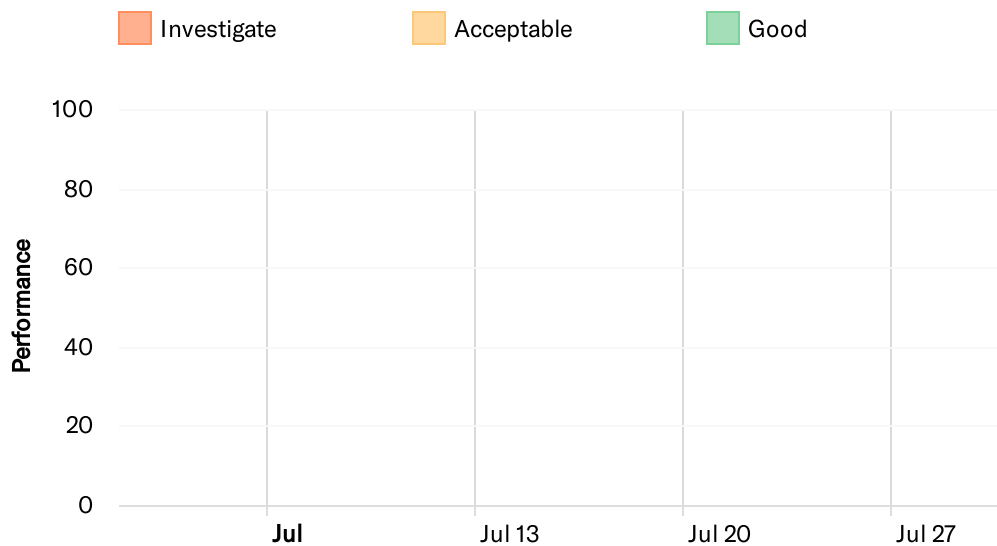
Indoor TVOC

Jul 01, 2020 through Jul 30, 2020



Indoor PM1.0

Jul 01, 2020 through Jul 30, 2020



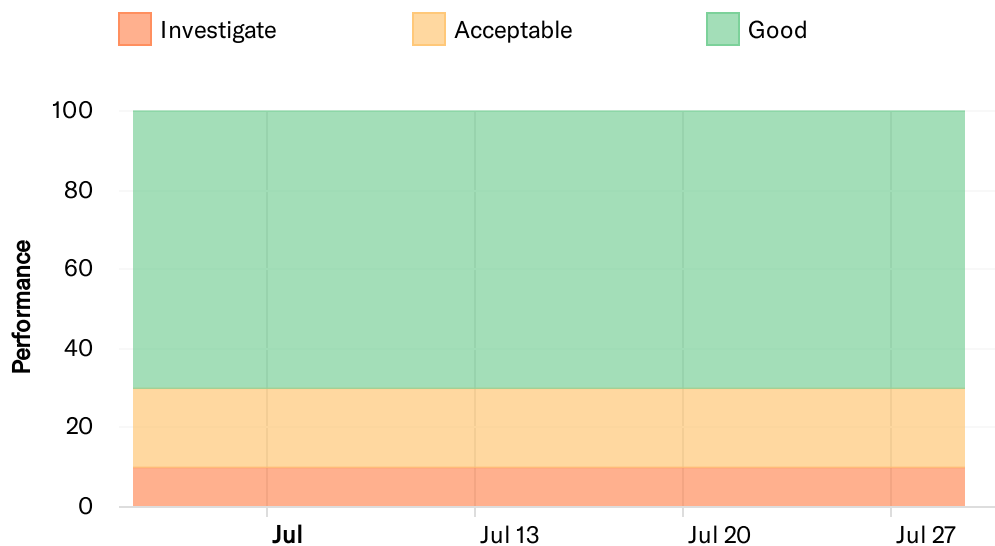


Indoor Air Quality (Continued)

INDOOR AIR QUALITY SUB-SCORE (CONTINUED)

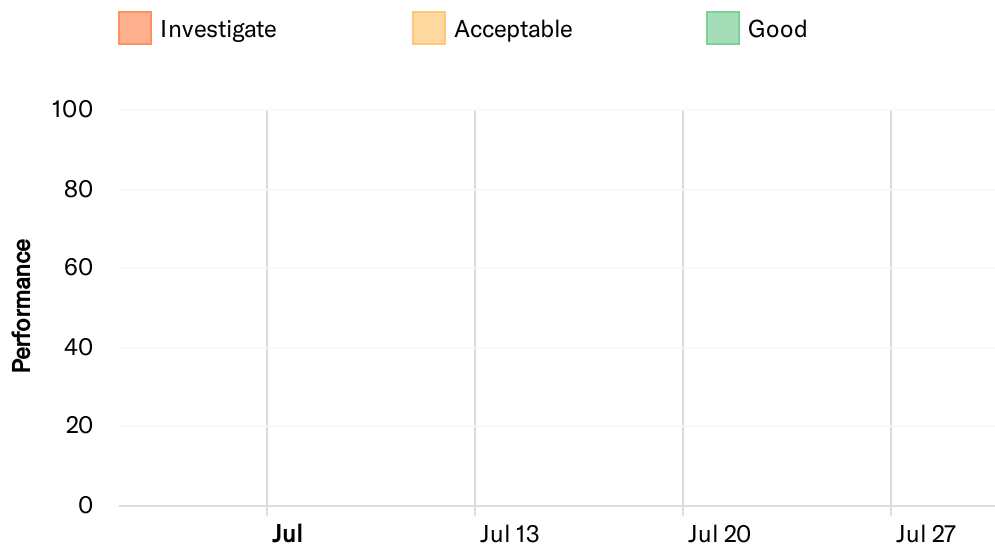
Indoor PM2.5

Jul 01, 2020 through Jul 30, 2020



Indoor PM10

Jul 01, 2020 through Jul 30, 2020



Improving Indoor Air Quality

Many organizations are creating guidance to improve occupant experience related to infection control. Resources include:

- RESET Air Standard for Commercial Interiors
- arbnco Best Practice Guide
- REHVA COVID-19 Guidance document and references

More resources are listed in the [Arc Guide to Re-Entry](#).

Project Details

Project name	Arc Scoring Demonstration Project
LEED Project ID	1000127707
Address	2099 Pennsylvania Avenue Washington, DC 20006
Project team members	Chris Pyke Christopher Hoeh Claudio Leon Markus Henning Nicole Isking Gautami Palanki Mindaugas Mikolainis Arc Skoru Arc Skoru Qian Tang Jad Khalil Kay Killmann Ron Allan Go-Aco Chris Pyke Arc Skoru Ron Go-Aco Andrew Walker Green Sports Alliance Analytics
Project space type	Office: Administrative/Professional
Project owner type	Corporate: Privately Held
Date of last certification	Feb 01, 2017
Project size	6,000 sq. feet

Facility Management

Date of first survey	May 30, 2020
Date of last survey	Jun 10, 2020
Total number of survey responses - all data	2
Total number of survey response - last 1 month	0

Project Details (Continued)

Occupant Observations

Date of first survey	Jun 10, 2020
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Date of last survey	Jul 30, 2020
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Total number of surveys - all data	5
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Total responses - all data	5
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Total number of surveys - last 1 month	4
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Total responses - last 1 month	4
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Indoor Air Quality

First measurement in the performance period	May 01, 2020
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Last measurement in the performance period	Jul 02, 2020
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Number of meters	6
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List of meters	Relative Humidity Indoor Carbon Dioxide Indoor TVOC Indoor PM 1.0 Indoor PM 2.5 Indoor PM 10
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Number of measurements - all data	18
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Number of measurements - last 1 month	13
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Learn More About Arc



Arc Skoru Inc. is a technology company that is affiliated with Green Business Certification, Inc and the U.S. Green Building Council. Arc Skoru Inc. believes that performance is the future of green building and created the "Arc" performance platform to help create better buildings and places for people and the environment. Arc empowers its users to understand and enhance their sustainability performance, promote human health and well-being and contribute to a higher quality of life.

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