

# Campaigning for Healthy Occupants: the Healthy **Building Survey**

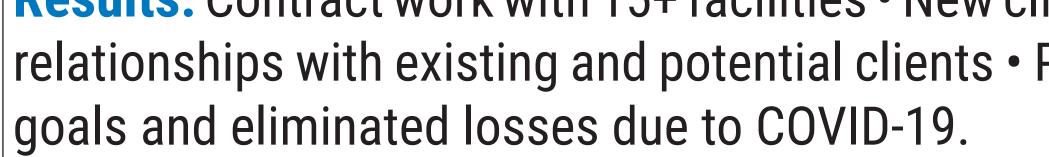
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Objectives: Expand service offerings • Gain new clients• Increase knowledge and visibility of service • Increase online engagement = x

Audience: Facility Owners and Managers, Property managers, Developers or Program Administrators.

Results: Contract work with 15+ facilities • New clients • Expanded relationships with existing and potential clients • Profits exceeded



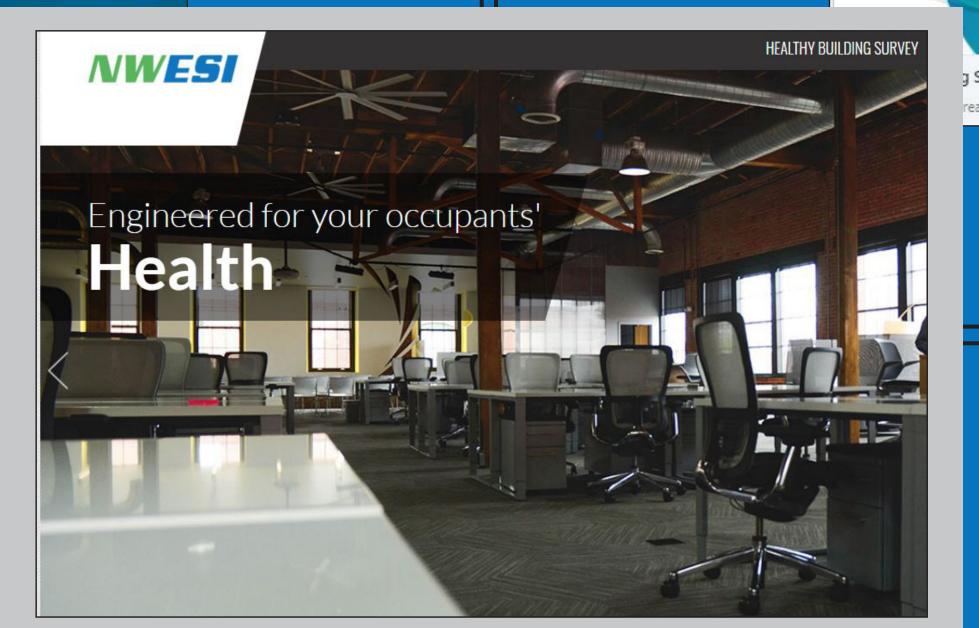




Now that more folks are preparing to return to work and chool, it's important for facility owners and teams to check heir building systems for functionality.

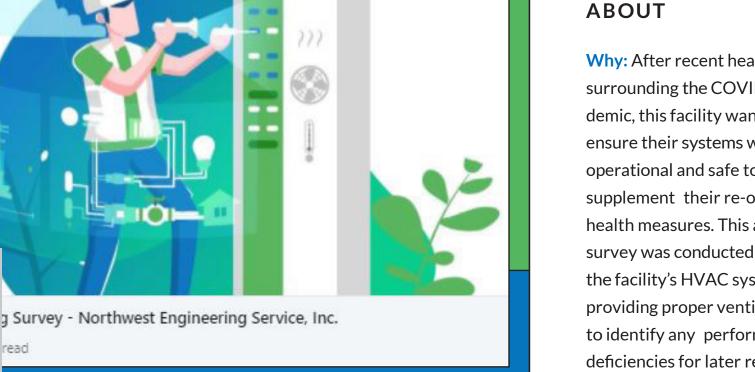


YOUR HEALTH MAINTAINING A HEALTHY WORKPLACE NORTHWEST ENGINEERING SERVICE, INC. U.S. COVID-19: 1.8 MILLION CASES, DELTA TO EXTE





NorthWest Engineering Service, Inc.





# **HEALTHY BUILDING SURVEY**

4 STEPS TO PREPARE YOUR HVAC SYSTEMS FOR RE-OCCUPANCY

We spend a huge amount of time in facilities learning, conducting business, and interacting with others This environment should be comfortable, accessible, and most importantly, safe. As you prepare your facility to welcome back students, staff, and other occupants, we urge you to consider hese next steps to ensure your facility will be a safer environment now and in the future. Contact one of our offices for more info on Healthy Building Surveys.

Prepare your facility for re-occupancy by conducting a survey/tune-up of the HVAC systems and related controls

Document supply air flows. Code requires minimum air changes per hour (ACH)

Measure minimum outside air. This will evaluate whether your systems are providing code required ventilation.

Calculate ventilation rates. This will gauge whether the facility requires adjustments to the HVAC systems.

Verify controls are working. This includes verification of hardware operation, calibration of control devices, and occupancy schedules

NWESI is invested in making sure the people in our communities are in safe, up-to-standard facilities, and is further providing documentation to display that healthy building measures were taken. Call us to discuss your healthy building options before re-opening!

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CASE STUDY:

UNNAMED HEALTHCARE FACILITY HEALTHY BUILDINGS SURVEY

Why: After recent health concerns surrounding the COVID-19 pandemic, this facility wanted to ensure their systems were operational and safe to supplement their re-opening health measures. This airflow survey was conducted to confirm the facility's HVAC systems were providing proper ventilation, and to identify any performance deficiencies for later resolution. **Industry:** Healthcare

**Location:** Oregon





### **CHALLENGES**

While executing the scope of work on this facility we ran into obstacles ranging from lack of identified system standards, to outdated systems drawings and unincorporated control points.

1) No recognized ASHRAE standard for this type of facility.

2) Manual overrides to the system were required to test outside air dampers due to absent setpoints in controls.

3) Original HVAC systems drawings were unavailable.

4) Areas of improperly functioning equipment.

# **APPROACH**

Our approach in this project was to understand the facility's current operations, establish testing standards and controls, and identify which areas were underperforming. This required us to work with the controls vendor and establish setpoints for OSA (outside air) dampers that would fulfill testing requirements despite the lack of any nationally recognized standard for this facility type. Further, we undertook deeper investigations into the original mechanical drawings and supply air sources to correctly identify which zones were served by which system.

# **VALUE**

Safety assurance for the office staff and customers • Actionable items for facility optimization and improvements

