

CHRIS PFAFF

CHRIS.PFAFF@WESTPIERCE.ORG

(253) 255-3435



The most important tool – PREVENTION/CRR



NFPA

855

Standard for the Installation of Stationary Energy Storage Systems

2023

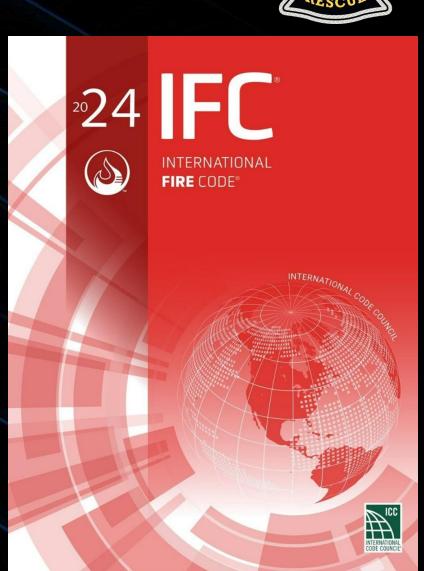




Educate others about battery safety

UL1642

Certification for Lithium-ion Battery



The NEXT most important tool — PRE-PLANNING









- First Due SizeUp
- PulsePoint
- Active 911
- Other ElectronicPre-Planningprograms

*Interlocal Agreements with Power agencies must be signed – (Plan Review can catch ongoing installations)

[A] 105.7.2 Battery systems. A construction permit is required to install stationary storage battery systems regulated by Section 1206.2.

[A] 105.7.10 Fuel cell power systems. A construction permit is required to install *stationary fuel cell power systems*.

[A] 105.7.21 Solar photovoltaic power systems. A construction permit is required to install or modify solar photovoltaic power systems. Maintenance performed in accordance with this code is not considered to be a modification and does not require a permit.

2021 International Fire Code

Airline Tools











Fire in the Sky: A Pilot's Worst Nightmare

Chris G. Greene takes a close look at these rare but often deadly incidents that are the result of lithium-ion batteries.

EV Fire Response (Tools or Snake Oil?)

- Fire Blanket
- "BEST" tool
- Foam/encapsulators
- Dunk pools







Class A







*Insert AWESOME promo music!





EV Tools



Other Li-Ion Tools



Tools with Merit



- EV Plug
- Fire Blanket
- CellBlock



Cell Block * Fire Containment Systems

Lithium-Ion PPE testing

WEST PIERCE

- Contamination of Metal Oxides on PPE
 - CO2 extraction testing
- Testing expected to occur in March
- Results expected to be released in May









www.FSRI.org

- Surprise AZ ESS event
- E-Mobility in Homes
- Firefighter safety in Photo Voltaic systems
- EVs in Garages* coming soon
- ESS in Garages White paper avaliable

- NPFA training
 - Bulletins & Training
- IAFC training
 - Bulletins & Training

- **NVFC** training
 - Free training videos
- SCOTT LANCASTER (WSP)
 - Scott.Lancaster@WSP.WA.GOV





Lithium-Ion Batteries... Tools for the Trade

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