NFPA 2 and the California Fire Code

California's <u>Triennial Code Adoption Cycle</u> adopts the most recent version of the International Fire Code to become the California Fire Code. For example, California adopted the 2018 IFC to become the 2019 CFC which, in turn, became law on January 1, 2020. California also has an <u>Intervening Code Cycle</u> for proposed code changes.

The first version of NFPA 2, Hydrogen Technologies Code, was published in 2011, and was adopted by reference by the California Office of the Fire Marshal into the CFC. Information bulletins from the CA OSFM were published to inform stakeholders of that adoption (see attachments 1 & 2). These information bulletins were useful for hydrogen project proponents for submitting to an Authority Having Jurisdiction, aiding in the permitting process.

The 2020 NFPA 2 was again adopted during the 2019 Intervening Code Cycle and became applicable on July 1, 2021. However, a bulletin was not issued for this round and, as a result, some AHJs may not be aware. As such, the Hydrogen Fuel Cell Partnership has drafted this document.

Appendix A of this document contains the following.

- 1. Excerpts from the final Intervening code cycle hearings, indicating the adoption of NFPA 2
- 2. Confirmation from the CA Codes Chief, Greg Andersen, confirming its adoption and effective date.

While the 2018 IFC (and 2019 CFC) reference 2016 NFPA 2, California has also adopted the most current 2020 version.

NFPA 2 is in a revision cycle now, and the next version will take effect in 2024 (expected to publish in August of 2023). California is on track to again adopt the most current NFPA 2.

Appendix A: 2020 NFPA 2 adoption

NFPA

Section: 02-20 Hydrogen Technologies Code Reason:

The State Fire Marshal is proposing to adopt the latest edition of the National Fire Protection Association (NFPA) 2. The technology of hydrogen has advanced since the last edition. As California creates more initiatives for the use of hydrogen energy it is important for public safety to stay to recognized the best safety standards that are available.

The State Fire Marshal is proposing to adopt the latest edition of the NFPA 289 and 1124. As the standards advance, it is important to recognized the best safety standards are available to ensure public safety.

Response to Code Advisory Committee (CAC): Approve as Submitted

BSC TP-106 (Rev. 02/20) ISOR #SFM 04/19 - Part 9 - 2019 Inter Code Cycle State Fire Marshal

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STATE OF CALIFORNIA BUILDING STANDARDS COMMISSION

SFM agrees with the CAC recommendation.

Excerpt from Final Express Terms:

[Section: NFPA 02-20]

NFPA

02-1620: Hydrogen Technologies Code

Item: [SFM 04/19-15-6] Chapter: [80, REFERENCED STANDARDS] Section: [NFPA] Express Terms:

[Section: NFPA13-16]

13—16: Standard for Installation of Sprinkler Systems as amended*

712.1.3.1, 903.3.1.1, 903.3.2, 903.3.8.2, 903.3.8.5, 904.12, 905.3.4, 907.6.4, 1019.3

BSC TP-105 (Rev. 05/20) Final Express Terms Rulemaking file #04/19 - Part 9 -- 2019 Inter Code Cycle State Fire Marshal

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Excerpt from email thread with CA OSFM Codes Chief:

From: Andersen, Greg@CALFIRE <xxxxxx> Sent: Wednesday, December 2, 2020 1:49 PM To: Jennifer Hamilton <xxxxxx> Subject: Re: 2020 NFPA 2

Jennifer,

We adopted the NFPA 2, 2020 edition in the Intervening Code Cycle. It will be published, with the updated pages, by 1/1/2021. It will become effective 7/1/2021. So, if we were going to send out it is a little early.

Also, the SFM adopts and updates editions of around 140 NFPA standards. We do not normally send out IB on each one. We did send out the IB for NFPA 2 because it was new. The standards with the edition are found in CBC Chapter 35 and the CFC in Chapter 80. I do not [see] the need for a new IB as we continue to update the standard.

I hope this helps.

Gregory Andersen Chief of Code Development & Analysis xxxxxxx

Attachment 1: Excerpt from CA OSFM IB 14-010



Attachment 2: CA OSFM IB 16-004

