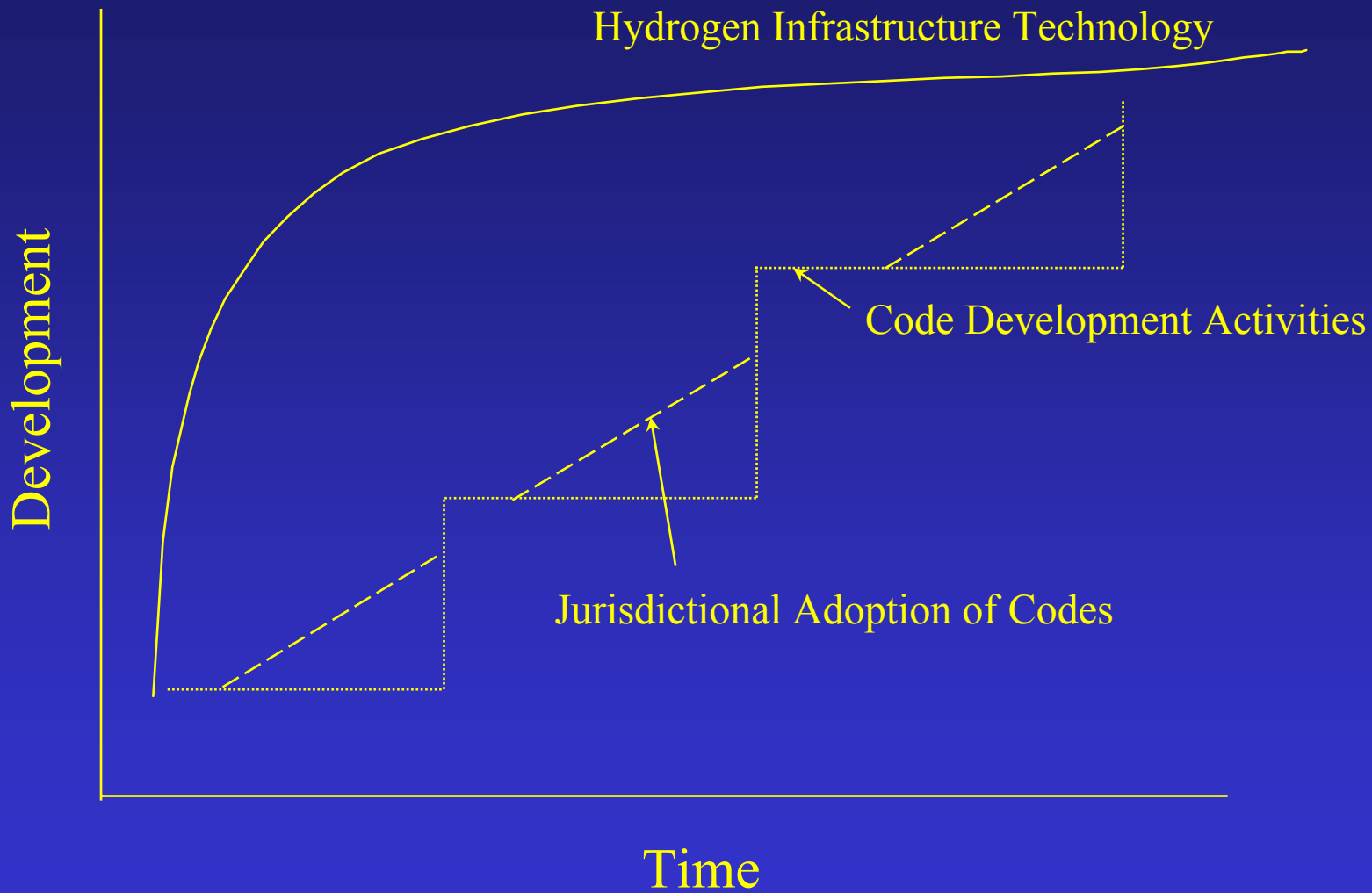


Hydrogen Infrastructure & Permits

The Issue is Time!



Characteristics of Code Development

International Code Council & NFPA are the major “national” Model Code developing organizations

Typically a 3-year cycle

Evolutionary process that builds on existing codes & considers incidents and near misses as initiators for revisions

Code Changes are Difficult to Implement

Code Development Agencies would like to reduce risk to zero

Changes must occur in several areas simultaneously (revolutionary development instead of evolutionary development)

Credibility with respect to code changes is difficult to earn (takes time)

To Successfully Address Code Changes

- **Lack of Codes & Standards applicable to hydrogen infrastructure**
- **Code Development must change from evolutionary process to “revolutionary” process**
- **Codes need to be uniform**
 - 44,000 jurisdictions interpreting codes
 - “Local” fears
 - Mistrust of “strangers” to the Code Development Process

Overcoming Lack of Codes

- **Participate in Code Development Activities Over a Longer Term**
- **Be consistent with messages to Code Development Groups**
- **Seek/have support for positions from other participants in the Code Development Process**
- **Justify to Code Developers the changes proposed**

How to Get Permits from Jurisdictions

- **Contact the local “Authority Having Jurisdiction”**
- **Describe the project**
- **Seek “gut level” concerns**
- **Identify and contact experts who can help address concerns**
- **Refer the Authority to other Fire Officials who have demonstration projects in their jurisdictions**
- **Stay in close contact with the Authority**