



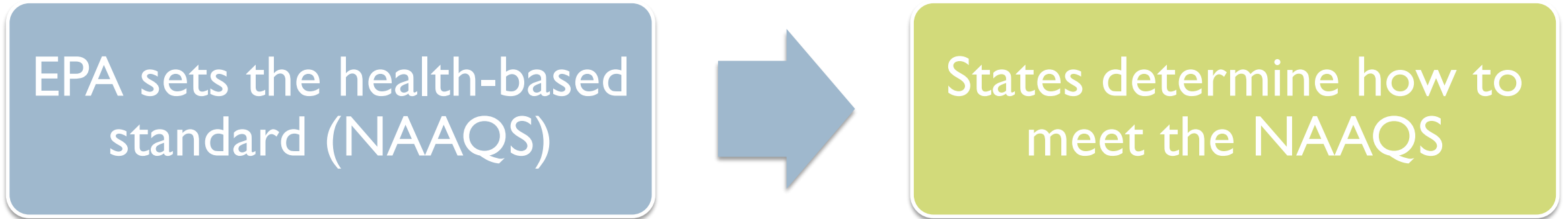
# MANE-VU Regional Haze Planning

## 4-Factor Analysis and Linkages to setting Reasonable Progress Goals

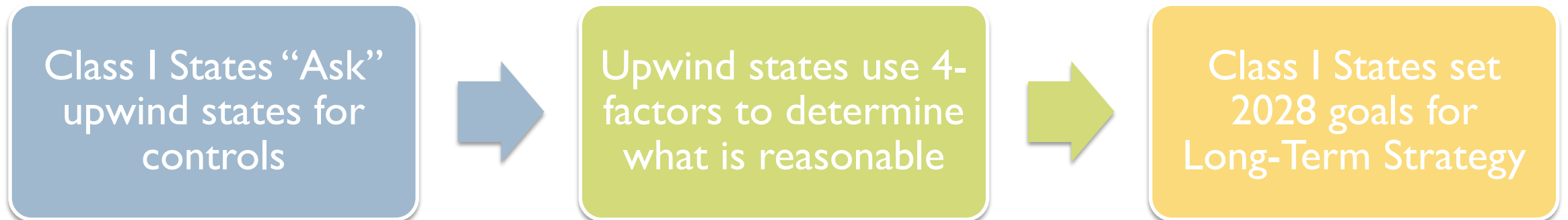
**Round 2 Regional Haze Planning Workshop**  
**December 6, 2017**  
**Denver, CO**

# Planning Processes

## NAAQS Planning Process



## Haze Planning Process



# MANE-VU Process

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- ▶ Much of the MANE-VU regional haze process is centered on the 4-factor analysis
  - ▶ Considers pollution reduction measures either already analyzed by our states or have undergone a regionally-based 4-factor analysis to screen for reasonableness
- ▶ When the MANE-VU “Asks” were developed, it was decided that states/tribal nations should be asked to perform their own, more detailed, analyses and act accordingly in their SIPs/TIPs
- ▶ MANE-VU produced a common set of resources to that can be used
  - ▶ Available here: <http://otcair.org/manevu/Document.asp?fview=Reports>

# Data Collection for States to Use When Conducting Four-Factor Analysis

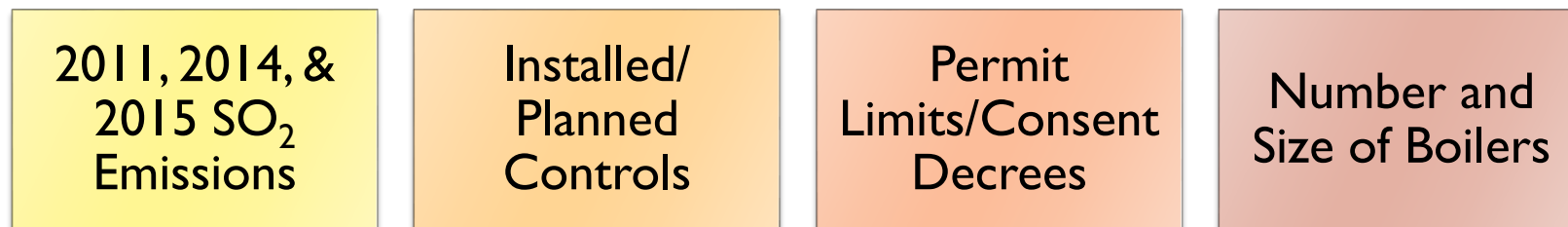
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## ▶ Sectors:

- ▶ Update control data in EMF so states can use to conduct Four-Factor analyses
- ▶ Updated SO<sub>2</sub> and NO<sub>x</sub> technology and cost data for the following sectors:



## ▶ High Impact EGUs/Industrial Sources - Data Collected:



Performing 4-factor analyses on Electrical Generation Peaking Units needs special consideration due to periodic operation



## Linking this to RPGs

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- ▶ Development of modeling inputs underway for RPG modeling
- ▶ RPG modeling will be based on the MANE-VU “Ask” for reasonable controls unless otherwise determined through consultation