

Best Available Retrofit Technology (BART)



- Part of Regional Haze SIPs
- Requirement of all States
- 3 Step Process

Step 1: Identify BART-Eligible Sources



- 26 source categories
- 'Built' between 1962 - 1977
- Potential emissions > 250 tons per year

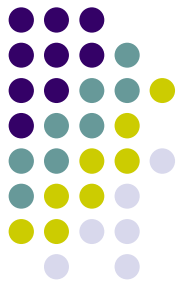
Step 2: Identify “Subject to BART” Sources



Emits pollution that affects Class I area

- SO₂, NO_x & PM
- Cause or contribute to visibility impairment

Modeling for Visibility Impairment



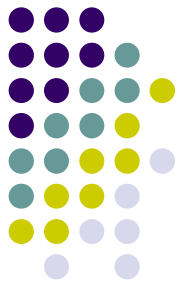
- LADCO performed ‘screening’ modeling
- Screened for ‘threshold level’ of contribution (0.5 dv used)
- If contribution < 0.5 dv, not ‘Subject to BART’
- Number of sources reduced

Step 3: Identify best system & level of control



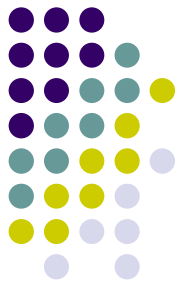
- Available Technology
- Costs of Compliance
- Energy & non-air quality enviro impacts
- Existing pollution control equipment
- Remaining useful life of source
- Degree of visibility improvement expected

CAIR Substitute for BART



- For EGUs, States may allow CAIR to substitute as BART for SO₂ and NO_x
- NOT ALLOWED for Particulate Matter (CAIR does not address direct PM emissions)

Miscellaneous Requirements



- Enforceable emissions limits
- Compliance 5 years after SIP approval
- Included in Title V permit conditions
- Compliance on a continuous basis