

Status of Fairfax County Air Quality Monitors

Sunil Kumar

TAC Meeting

COG

March 10, 2009

Fairfax Monitors

Total :- 5 Ozone, 3 FRM, 1 TEOM monitors

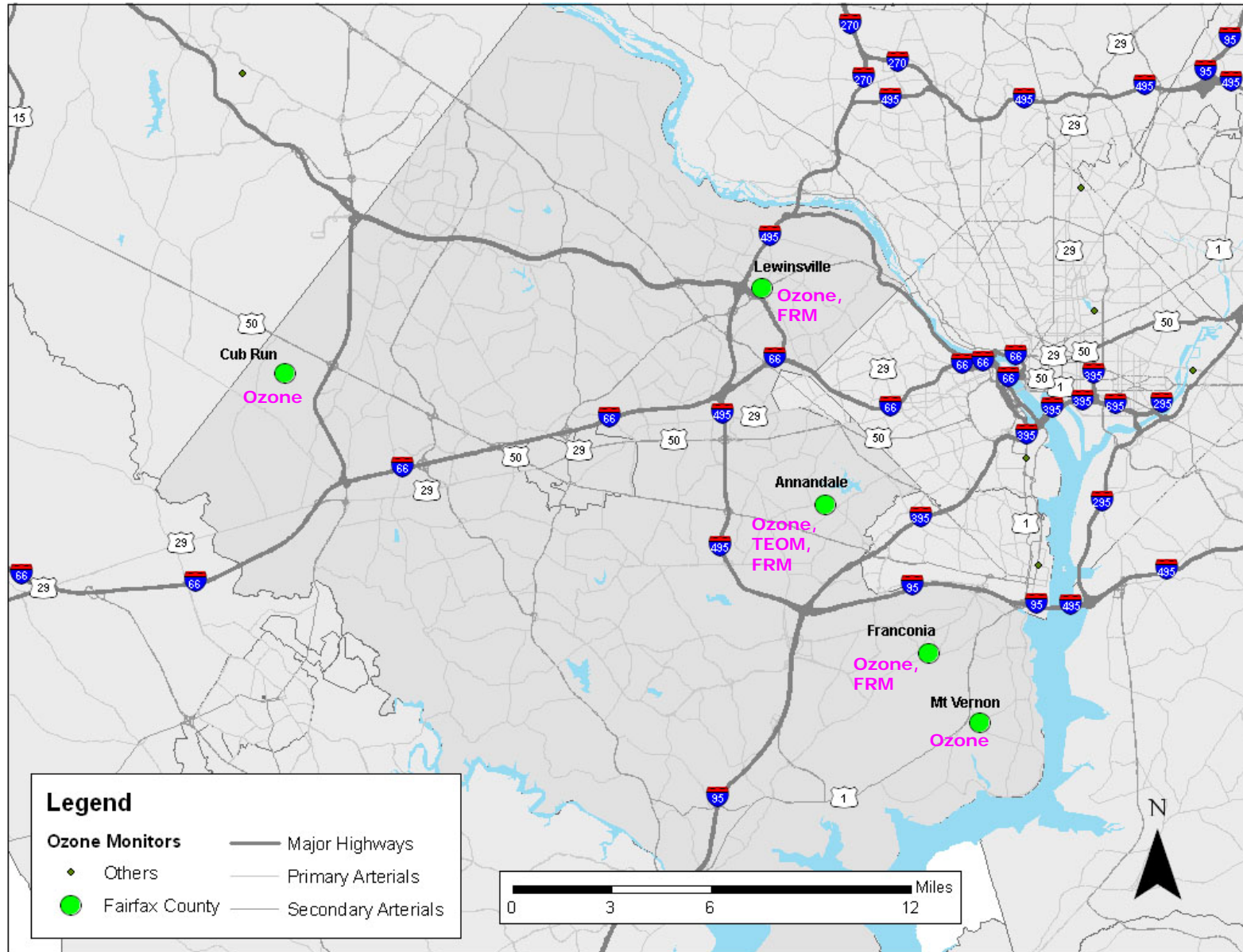
Monitor Location	Monitor Type	Owned/Operated by
Cub Run (Chantilly)	- Ozone	FxCo/FxCo
Lewinsville (McLean)	- Ozone	FxCo/FxCo
Mount Vernon	- Ozone	FxCo/FxCo
Annandale	- Ozone, TEOM	FxCo/FxCo
Annandale	- FRM	VDEQ/FxCo
Lewinsville (McLean)	- FRM	VDEQ/FxCo
Lee Park (Franconia)	- FRM	VDEQ/FxCO
Lee Park (Franconia)	- Ozone	VDEQ/VDEQ

Fairfax County Proposal

- Discontinue county operated monitors - Budgetary constraints

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Lewinsville (McLean)	- FRM	VDEQ/FxCo
Lee Park (Franconia)	- FRM	VDEQ/FxCO
Lee Park (Franconia)	- Ozone	VDEQ/VDEQ

Fairfax Monitor Locations



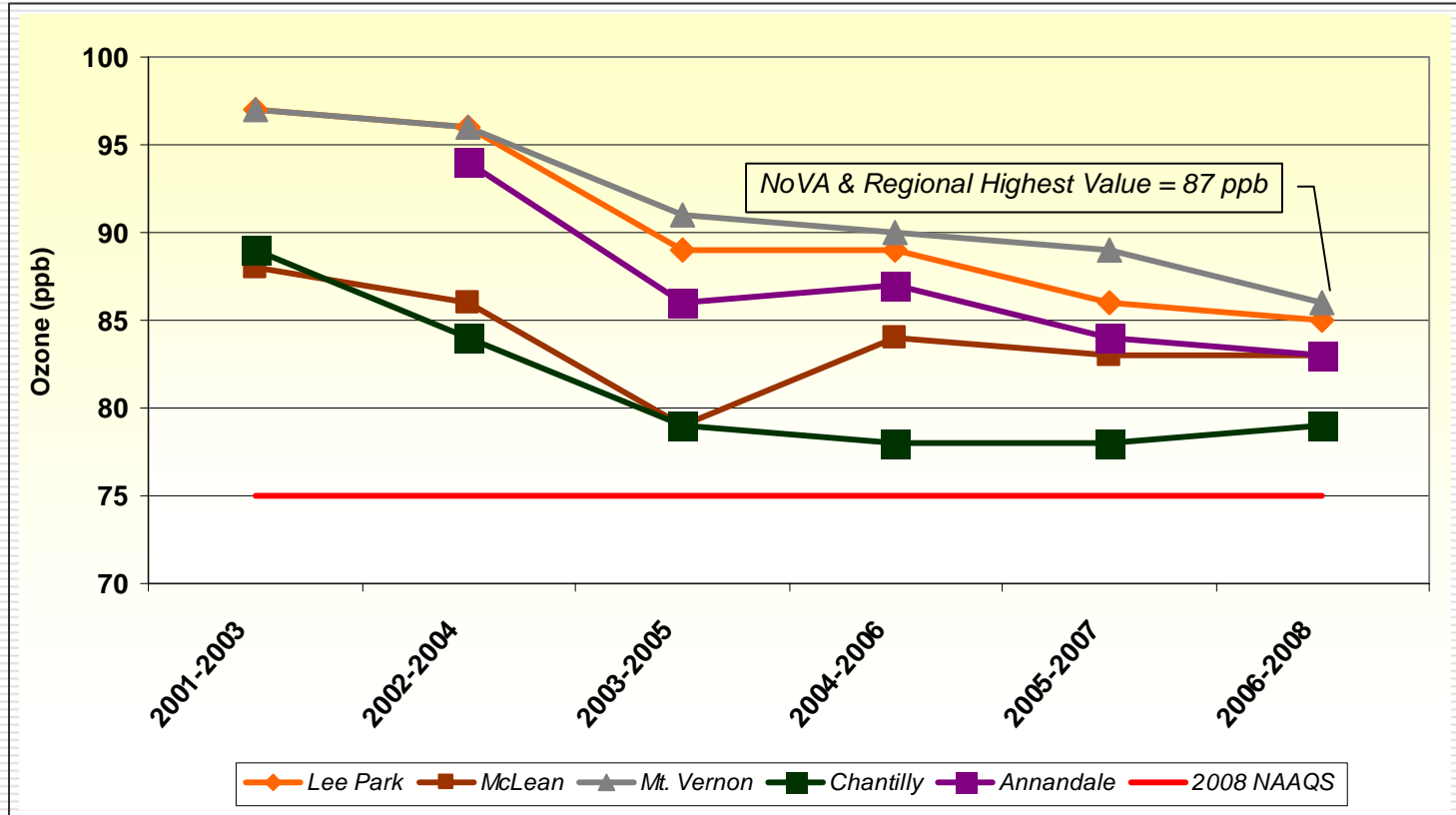
Fairfax monitors – Importance of data

- Monitor ozone and fine particle concentrations in highly populated areas
- Data used by the general public, federal, state and local air agencies for :
 - Air quality evaluation
 - Calculating design values
 - Forecasting and issuing health advisories

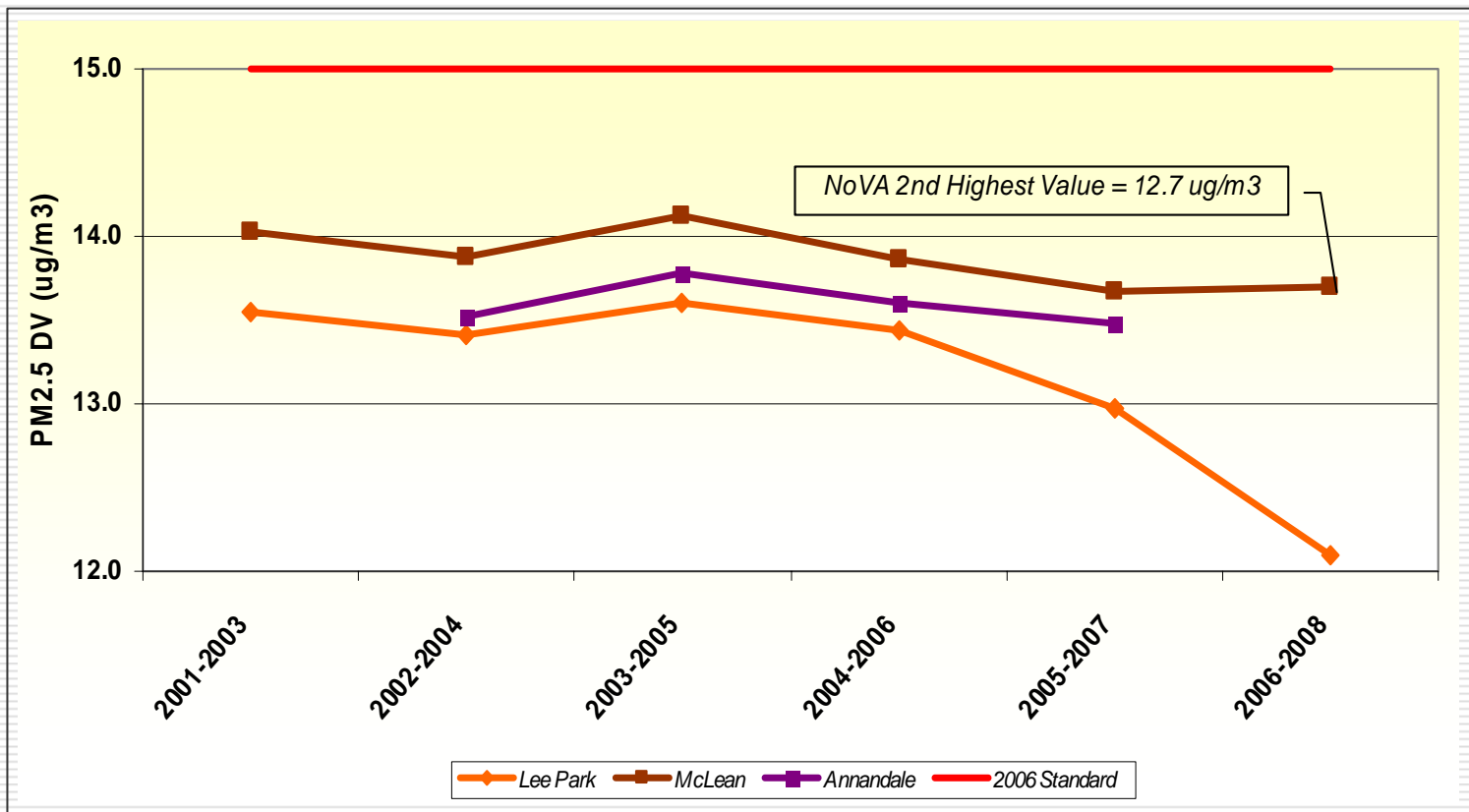
Fairfax monitors – Importance of forecasting & health alerts

- Daily data used for issuing next 3 day forecasting and color-coded health alerts.
- AQ data page - 1.5 million hits (ozone season).
- People check data to determine if they need to alter their daily activities due to poor air quality.

Fairfax monitors – Historical 8-Hour Ozone Design Values

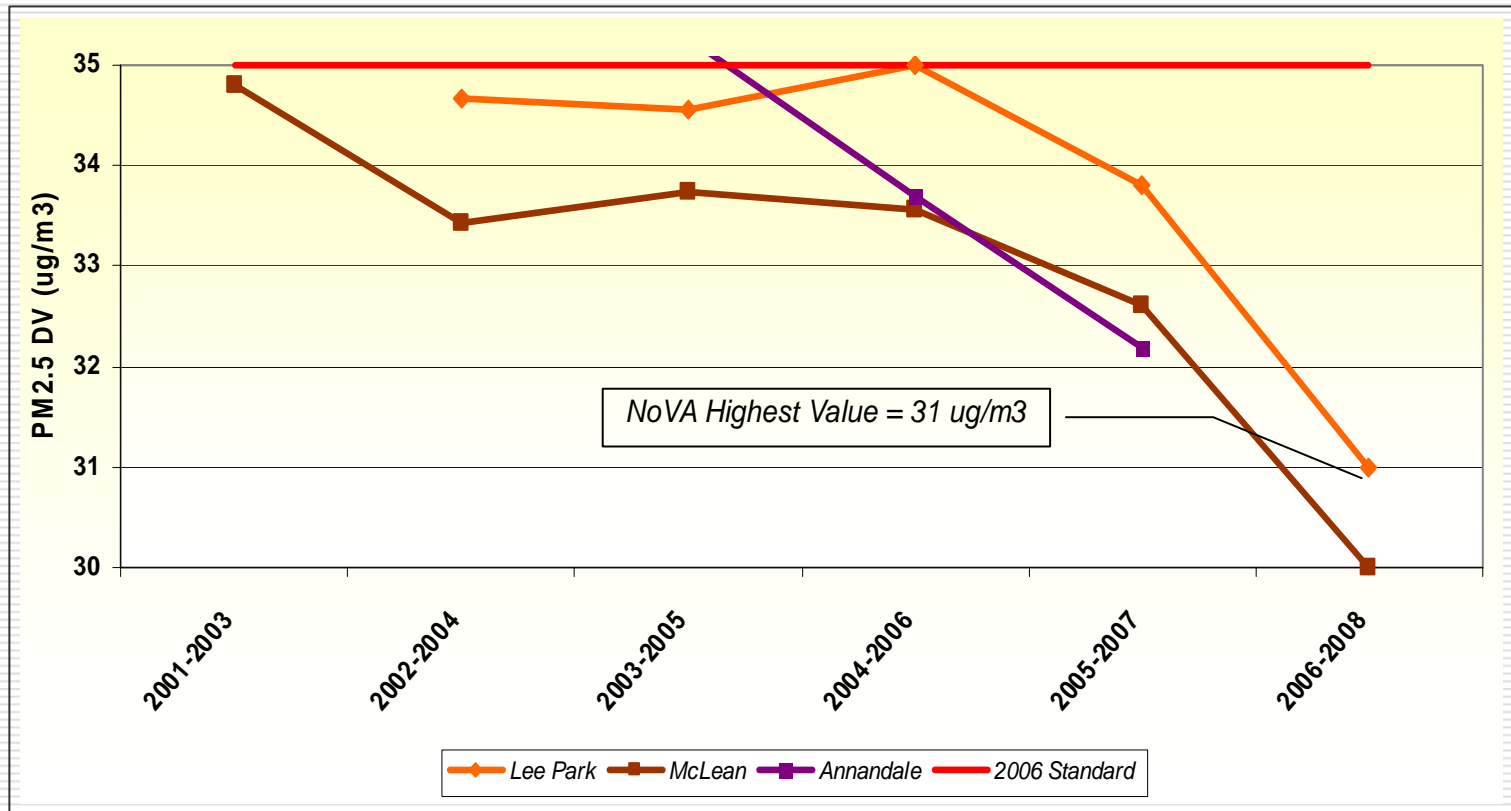


Fairfax monitors – Historical Annual PM2.5 Design Values



2008
data
draft

Fairfax monitors – Historical 24-Hour PM2.5 Design Values



2008
data
draft

Fairfax monitors – Regulatory Aspects of Discontinuation

- Network assessments every five years
- Network plan submitted to EPA after public comment for their approval
- EPA Reg. - monitor measuring NAAQS violations in previous five years may not be discontinued (CFR 40 Part 58, Subpart B §58.14)

Fairfax monitors – Current scenario

• Virginia DEQ Plan

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Fairfax county schedules

- Public comment on budget proposal – March 3-April 1
- Final budget decision – April 27
- Proposed monitoring shutdown – July 1