



GHG Thresholds Update

Karen Huss, Air Quality Planner/Analyst

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Presentation Outline

- Current thresholds
- Need for update
- Methodology
- Applying the threshold
- Feedback
- Next steps



Current Thresholds

- Regional effort
- Board adopted 2014
- Construction – 1,100 metric tons/year
- Operational land use – 1,100 metric tons/year (21.7% mitigation from BAU)
- Operational stationary source – 10,000 metric tons/year

Goal: capture 90% of emissions, review for mitigation



Need for Update

- Newhall: 21.7% mitigation from BAU removed January 2016
- SB 32: 2030 GHG reduction target codified September 2016
- Scoping Plan: update December 2017
 - SB375 targets don't provide all the needed VMT reductions



Methodology – Newest Info

- Reviewed DEIR/MNDs received 2014-2017
- Using MTP/SCS data for 2020 and 2036
 - Local data
 - Emissions
 - Population
 - Jobs



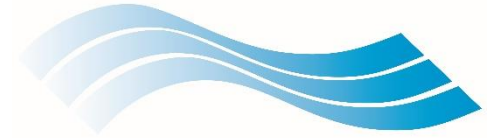
Methodology - Approach

- Operational land use only
- Emissions capture rate increase from 90% to 98%
- Update screening level
- Neighborhood serving exemption
- Efficiency metrics



Screening for 98%

TOTAL DEIR/MND PROJECTS REVIEWED	35
Total MT CO ₂ e/year from projects	1,140,804
# of projects exempt with the current 1,100 MT screening level	6
Total MT CO ₂ e/year from projects > 1,100 MT	1,136,785
Percent capture of emissions at 1,100 MT	99.65%
# of projects exempt with 3,500 MT screening level	15
Total MT CO ₂ e/year from projects >3,500 MT	1,119,465
Percent capture of emissions at 3,500 MT	98.13%



Land Use Screening for 3,500 Metric Tons

- 196 single family dwelling units
- 295 low rise apartments (1-2 stories)
- 35,000 square feet high turnover restaurant
- 13,000 square feet fast food restaurant with drive thru
- 102,000 square feet strip mall
- 44,000 square feet supermarket
- 238,000 square feet general office building



Neighborhood Serving

- A neighborhood serving land use is designed to reduce VMT
 - Provides jobs and services near housing
 - May exceed 3,500 MT
 - May not meet efficiency metric
- Exempt from threshold if
 - Meets local zoning code defining land use type, size and location as neighborhood serving
 - Generally < 50,000 square feet
 - Reduces VMT in vicinity of project



Data for Efficiency Metrics

	<i>MTP/SCS data</i>		
YEAR	POPULATION	EMPLOYMENT	GHG MMTCO ₂ e
2012	2,268,138	887,965	20.78
2020	2,472,567	1,033,297	15.00
2030			
2036	3,078,772	1,327,323	9.27
2040	3,080,000	1,350,000	
2050			

	SACOG GHG Emissions	
Sector	2020	2036
Transportation	8.13	4.63
Electricity Generation	3.14	1.48
Residential/Commercial	2.20	1.67
Industrial	0.60	0.60
Agriculture & Forestry	0.93	0.88
Total	15.00	9.26



Efficiency Metrics

GHG Calculated Thresholds for 2020 and 2036

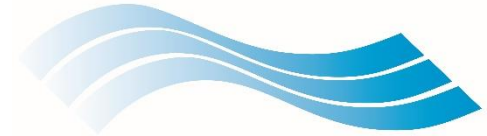
YEAR	<i>MTP/SCS data</i>			<i>calculated</i>	
	POP.	EMPL.	GHG MMTCO ₂ e (minus 5% from transportation contribution)	GHG MTCO ₂ e/ CAPITA	GHG MTCO ₂ e/ SERVICE POP
2020	2,472,567	1,033,297	14.59	5.90	4.16
2036	3,078,772	1,327,323	9.04	2.94	2.05

Uses MTP/SCS data, including an additional 5% reduction in transportation sector GHG



Applying the Threshold

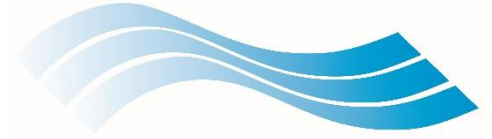
1. Exempt from CEQA
2. Consistent with an adopted CAP
3. Qualify for a neighborhood exemption
4. Check screening level
5. Apply efficiency metric
 - a. 2020 or 2036
 - b. Per capita or per service population
6. Commit to mitigation measures as needed



Climate Action Plans

- City of Sacramento
- City of Elk Grove
- City of Folsom
- City of Citrus Heights
- County of Sacramento
- City of Galt

Climate Action Plans in Sacramento Region by Jurisdiction							
Jurisdiction Information			Status		Targets (baseline year)		
Name	Type	Link	Status	Date adopted	2020	2035	2050
City of Sacramento	CAP	Link	Adopted	2012	15% (2005)	49% (2005)	83% (2005)
Elk Grove	CAP	Link	Adopted	2013	15% (2005)		
Citrus Heights	GHG Reduction Plan	Link	Adopted	2011	10-15% (2005)		
County of Sacramento	CAP	Link	Adopted	2012	15% (2005)		
Galt	-		Planned				
Folsom	GHG Reduction Strategy	Link	Adopted	2018	15% (2005)	51% (2005)	80% (2005)
Isleton	-						
Rancho Cordova	-						



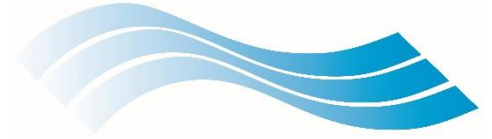
Comments & Suggestions



Next Steps

- Comments due by February 9, 2019
 - Send to khuss@airquality.org
- Consider feedback
- Board meeting **tentatively** scheduled for March 28, 2019

SACRAMENTO METROPOLITAN



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Thank you
