## Self-Assessment: 10.0 Transportation Systems Planning

This self-assessment worksheet is intended to assist State DOT staff in determining where their agency falls on the GHG engagement spectrum and what additional actions their division or unit may wish to take to measure and reduce GHG emissions. This worksheet pertains to DOT units and staff with responsibilities for transportation systems planning functional areas, including strategic planning, long-range planning, modal planning, corridor planning, and subarea planning.

#### Primary GHG Interests and Responsibilities

The Planning unit can support GHG emissions estimation and reduction by:

* Developing a transportation system GHG inventory and forecast, as well as sharing data.
* Setting transportation system goals and objectives related to GHG.
* Supporting statewide and regional GHG target setting.
* Evaluating system-level GHG policy and strategy.
* Prioritizing funding across modes and program areas towards GHG-reducing investments.
* Providing funding for clean/GHG-reducing transportation investments and programs (e.g., nonmotorized transportation, electric/clean fuel infrastructure, demand management programs).
* Measuring, tracking, and reporting transportation system GHG emissions.
* Coordinating with metropolitan planning organizations (MPOs) and regional planning agencies.

#### Key Staff Responsibilities

List the key staff person(s) responsible for incorporating GHG considerations in transportation systems planning. **Lead** = management/oversight; **Support** = technical or procedural support (e.g., emissions calculations).

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| **Unit** | **Title/Position/Topic** | **Name** | **Role (Lead/Support)** |
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#### Level of Engagement

Select the level that best describes how engaged your agency, as a whole, is now on planning for GHG reduction and how engaged you might want to be within the next few years.

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| Now | Within 3 Years? | How Does Your Agency Address GHG in Transportation Systems Planning? | Level |
| \_\_\_\_\_ | \_\_\_\_\_\_ | No policy related to GHG emissions reduction. No need for consideration in planning. | 1 |
| \_\_\_\_\_ | \_\_\_\_\_\_ | GHG emissions considered in planning activities through qualitative GHG goals or objectives. No formal steps added to the planning process. | 2 |
| \_\_\_\_\_ | \_\_\_\_\_\_ | Baseline GHG inventory and forecast for the transportation system, quantitative goals or objectives, limited strategy identification, and assessment. Formal steps included in planning. | 3 |
| \_\_\_\_\_ | \_\_\_\_\_\_ | Transportation systemwide GHG reduction goals or targets are set and progress is monitored. Comprehensive, quantitative GHG strategy analysis is conducted, with GHG strategies incorporated into the long-range transportation plan (LRTP) and other plans; baseline and alternative future plan GHG outcomes are modeled. | 4 |

#### GHG Estimation and Reduction Strategies

Identify specific strategies your unit/functional area is undertaking now and which ones you might want to be undertaking in a few years. The table indicates what “level of engagement” (1-4) the strategy may be associated with. More advanced strategies indicate higher levels of engagement that also require more effort.

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| Doing Now? | Within 3 Years? | Programmatic Strategy | Level of Engagement |
| \_\_\_\_\_ | \_\_\_\_\_ | Include qualitative GHG-related goals and/or objectives in the LRTP and modal and policy plans. | 2 |
| \_\_\_\_\_ | \_\_\_\_\_ | Identify and give qualitative consideration to GHG-reducing strategies in the LRTP and other planning documents. | 2 |
| \_\_\_\_\_ | \_\_\_\_\_ | Develop a transportation systems GHG inventory and baseline forecast estimating statewide GHG emissions by transportation mode. | 3 |
| \_\_\_\_\_ | \_\_\_\_\_ | Establish guidance on consideration of GHG emissions in corridor and subarea plans. | 3 |
| \_\_\_\_\_ | \_\_\_\_\_ | Identify, evaluate, and include selected GHG strategies in plans. | 3 |
| \_\_\_\_\_ | \_\_\_\_\_ | Support transportation GHG assessment and reduction efforts by partners, including MPOs and other State agencies (data provision, policy coordination, and advice). | 3 |
| \_\_\_\_\_ | \_\_\_\_\_ | Set GHG reduction targets for the transportation system. | 4 |
| \_\_\_\_\_ | \_\_\_\_\_ | Conduct comprehensive analysis of GHG reduction strategies and compare with ability to meet targets. | 4 |
| \_\_\_\_\_ | \_\_\_\_\_ | Consistently include GHG-reducing strategies in long-range, modal, corridor, and subarea plans. | 4 |
| \_\_\_\_\_ | \_\_\_\_\_ | Conduct quantitative GHG analysis of LRTP alternatives and the selected plan alternative (for project plans). | 4 |
| \_\_\_\_\_ | \_\_\_\_\_ | Conduct ongoing monitoring of performance of system against GHG targets. | 4 |
| \_\_\_\_\_ | \_\_\_\_\_ | Lead transportation assessment for cross-sector/multi-agency GHG efforts such as State climate action plans. | 4 |
| \_\_\_\_\_ | \_\_\_\_\_ | Provide guidance to MPOs to develop regional GHG emissions forecasts, consider GHG impacts of regional long-range plans, and identify GHG mitigation strategies. | 4 |

#### Action Plan

What actions will you take to implement the strategies you identified above to increase your agency’s engagement?

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| Action | Timeframe | Lead Responsibility |
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