

Table C-1: Crowned Ridge Sound Level Tabular Results Sorted by Receptor ID
Realistic case sound results at land parcel boundaries and occupied structures
Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
Codington County

Receptor ID	Participation Status	Type	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-C1-NP	Non-P	Boundary	657,276	4,983,921	590.3	36.5	4,258
CR1-C2-NP	Non-P	Boundary	658,435	4,984,609	601.8	37.7	5,036
CR1-C3-NP	Non-P	Boundary	657,812	4,984,785	603.4	39.4	2,936
CR1-C4-NP	Non-P	Boundary	659,890	4,985,620	605.2	40.5	3,914
CR1-C6-P	Participant	Boundary	663,383	4,994,502	591.0	38.5	3,878
CR1-C7-NP	Non-P	Boundary	661,266	4,985,387	591.0	46.6	1,253
CR1-C8-P	Participant	Boundary	661,277	4,984,852	597.0	43.1	2,139
CR1-C9-NP	Non-P	Boundary	665,462	4,985,115	609.0	45.0	1,079
CR1-C10-P	Participant	Boundary	662,869	4,985,477	601.7	52.2	610
CR1-C11-P *	Participant	Boundary	664,473	4,985,211	608.8	51.5	738
CR1-C12-P	Participant	Boundary	662,067	4,985,677	605.1	45.3	1,670
CR1-C13-P *	Participant	Boundary	664,431	4,986,195	615.0	54.0	574
CR1-C14-NP	Non-P	Boundary	657,803	4,986,003	609.0	46.1	1,191
CR1-C15-P	Participant	Boundary	663,047	4,985,700	612.9	51.1	722
CR1-C16-NP	Non-P	Boundary	661,642	4,985,677	597.0	48.8	948
CR1-C17-P	Participant	Boundary	658,819	4,986,842	611.4	49.7	1,837
CR1-C18-P *	Participant	Boundary	664,114	4,986,526	609.4	52.4	591
CR1-C19-P	Participant	Boundary	660,393	4,987,529	608.4	50.1	784
CR1-C20-P	Participant	Boundary	662,024	4,987,612	604.2	51.0	640
CR1-C26-P	Participant	Boundary	658,015	4,987,993	606.7	43.5	1,867
CR1-C27-NP	Non-P	Boundary	656,658	4,988,484	587.2	42.1	1,749
CR1-C28-NP	Non-P	Boundary	665,432	4,989,009	583.9	44.9	1,483
CR1-C29-NP	Non-P	Boundary	666,496	4,989,001	574.3	42.7	1,952
CR1-C30-P	Participant	Boundary	661,978	4,989,318	612.8	51.3	633
CR1-C31-NP	Non-P	Boundary	665,639	4,989,013	584.7	44.5	1,637
CR1-C32-NP	Non-P	Boundary	657,187	4,989,566	573.2	38.1	4,970
CR1-C33-NP	Non-P	Boundary	657,126	4,990,843	567.0	38.0	5,856
CR1-C34-NP	Non-P	Boundary	658,763	4,990,247	589.4	45.8	1,293
CR1-C35-P	Participant	Boundary	661,955	4,990,153	606.1	47.2	1,112
CR1-C36-P	Participant	Boundary	663,564	4,990,731	610.7	48.3	1,033
CR1-C37-P **	Participant	Boundary	663,879	4,990,574	594.0	51.1	699
CR1-C38-NP	Non-P	Boundary	660,955	4,990,468	591.2	47.3	1,027
CR1-C39-NP	Non-P	Boundary	659,741	4,991,242	583.3	48.5	856
CR1-C40-NP	Non-P	Boundary	658,706	4,991,231	579.8	44.9	1,555
CR1-C41-NP	Non-P	Boundary	664,801	4,991,929	578.8	46.1	1,585
CR1-C42-P	Participant	Boundary	659,828	4,992,807	580.1	51.1	604
CR1-C44-NP	Non-P	Boundary	665,447	4,992,972	578.1	44.4	1,824
CR1-C45-NP	Non-P	Boundary	653,821	4,993,552	573.0	36.7	4,291
CR1-C46-NP	Non-P	Boundary	655,910	4,993,469	609.0	45.1	561

* Pending

** Under Option but Likely to Expire / Not Re-sign

Table C-1: Crowned Ridge Sound Level Tabular Results Sorted by Receptor ID
Realistic case sound results at land parcel boundaries and occupied structures
Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
Codington County
continued

Receptor ID	Participation Status	Type	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-C47-P	Participant	Boundary	663,454	4,992,888	612.0	46.8	1,076
CR1-C48-P	Participant	Boundary	664,262	4,992,514	586.6	53.6	410
CR1-C49-P	Participant	Boundary	662,224	4,993,664	609.0	38.5	5,105
CR1-C50-P	Participant	Boundary	656,239	4,994,042	618.0	49.6	984
CR1-C51-P	Participant	Boundary	657,753	4,994,889	620.0	51.5	564
CR1-C52-NP	Non-P	Boundary	654,986	4,995,398	603.0	45.8	1,335
CR1-C53-NP	Non-P	Boundary	664,171	4,995,340	580.5	37.4	4,009
CR1-C54-NP	Non-P	Boundary	663,495	4,995,329	582.9	36.6	5,075
CR1-C55-P *	Participant	Boundary	660,139	4,994,937	607.0	49.4	722
CR1-C56-P	Participant	Boundary	655,385	4,995,606	603.0	45.6	627
CR1-C57-P	Participant	Boundary	656,526	4,995,198	616.1	45.8	1,319
CR1-C58-NP	Non-P	Boundary	657,839	4,997,040	615.0	45.4	732
CR1-C59-P	Participant	Boundary	661,380	5,000,092	591.5	50.2	623
CR1-C60-NP	Non-P	Boundary	656,539	4,998,453	609.3	42.6	2,218
CR1-C61-NP	Non-P	Boundary	656,926	4,997,851	612.0	47.8	912
CR1-C62-NP	Non-P	Boundary	658,155	4,994,994	614.5	48.7	820
CR1-C63-NP	Non-P	Boundary	658,543	4,995,211	606.8	42.4	2,277
CR1-C64-P	Participant	Boundary	659,129	4,991,995	576.6	50.0	679
CR1-C65-NP	Non-P	Boundary	665,516	4,995,045	578.0	39.2	2,825
CR1-C70-NP	Non-P	Boundary	664,953	4,987,981	596.1	42.7	3,225
CR1-C71-NP	Non-P	Boundary	664,658	4,987,355	600.0	48.6	1,050
CR1-C105-NP	Non-P	Boundary	658,351	5,000,265	609.0	49.8	604
CR1-C107-NP	Non-P	Boundary	655,923	4,998,435	595.6	48.5	673
CR1-C109-NP	Non-P	Boundary	654,533	4,997,357	592.6	40.9	1,909
CR1-C110-NP	Non-P	Boundary	654,553	4,996,633	588.7	41.3	2,365
CR1-C111-NP	Non-P	Boundary	654,576	4,995,809	599.1	45.6	1,240
CR1-C112-NP	Non-P	Boundary	660,152	4,984,994	604.0	39.4	5,075
CR2-C150-P	Participant	Boundary	657,308	4,986,173	600.0	51.3	591
CR1-C1-NP	Non-P	Structure	656,743	4,983,525	596.0	34.9	5,541
CR1-C2-NP	Non-P	Structure	658,791	4,984,483	602.0	37.4	6,273
CR1-C3-NP	Non-P	Structure	657,888	4,984,697	604.2	38.8	3,294
CR1-C4-NP	Non-P	Structure	659,744	4,984,749	606.0	38.5	5,981
CR1-C5-NP	Non-P	Structure	659,958	4,984,794	604.8	38.9	5,659
CR1-C6-P	Participant	Structure	662,989	4,995,228	599.8	36.5	6,102
CR1-C7-NP	Non-P	Structure	660,893	4,984,861	593.2	41.3	3,022
CR1-C8-P	Participant	Structure	660,532	4,984,445	599.4	40.1	3,740
CR1-C9-NP	Non-P	Structure	665,352	4,985,004	609.0	44.5	1,621
CR1-C10-P	Participant	Structure	663,510	4,985,195	609.0	47.0	1,762

* Pending

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Table C-1: Crowned Ridge Sound Level Tabular Results Sorted by Receptor ID
Realistic case sound results at land parcel boundaries and occupied structures
Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
Codington County
continued

Receptor ID	Participation Status	Type	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-C11-P *	Participant	Structure	664,111	4,985,679	609.0	47.9	1,614
CR1-C12-1-P	Participant	Structure	662,199	4,986,047	606.0	43.6	2,818
CR1-C12-P	Participant	Structure	662,222	4,985,736	603.0	44.3	2,201
CR1-C13-P *	Participant	Structure	663,792	4,985,785	612.0	46.9	1,739
CR1-C14-NP	Non-P	Structure	657,982	4,985,894	609.0	43.4	1,880
CR1-C15-P	Participant	Structure	663,291	4,986,026	615.0	46.1	1,952
CR1-C16-NP	Non-P	Structure	661,960	4,986,288	606.0	43.3	2,736
CR1-C17-P	Participant	Structure	658,031	4,986,373	609.1	45.1	1,886
CR1-C18-P *	Participant	Structure	663,651	4,987,157	610.4	44.8	2,146
CR1-C19-P	Participant	Structure	659,243	4,987,276	611.6	46.4	1,722
CR1-C20-P	Participant	Structure	663,054	4,987,455	606.0	44.5	2,336
CR1-C21-P	Participant	Structure	660,756	4,984,086	594.0	42.0	2,388
CR1-C22-P	Participant	Structure	660,755	4,984,082	594.0	42.0	2,375
CR1-C23-P	Participant	Structure	660,619	4,984,078	595.8	41.5	2,523
CR1-C26-P	Participant	Structure	657,767	4,988,493	597.0	40.6	3,484
CR1-C27-NP	Non-P	Structure	656,876	4,988,683	583.0	40.0	2,549
CR1-C28-NP	Non-P	Structure	665,429	4,988,598	590.9	42.1	2,831
CR1-C29-NP	Non-P	Structure	666,572	4,988,867	575.9	41.4	2,457
CR1-C30-P	Participant	Structure	661,699	4,988,957	615.0	47.9	1,614
CR1-C31-NP	Non-P	Structure	665,939	4,988,950	585.4	43.4	2,126
CR1-C32-NP	Non-P	Structure	655,843	4,989,581	568.8	37.0	3,714
CR1-C33-NP	Non-P	Structure	656,839	4,990,404	569.8	37.3	6,719
CR1-C34-NP	Non-P	Structure	658,661	4,990,389	588.2	44.5	1,726
CR1-C35-P	Participant	Structure	662,025	4,990,475	609.0	43.9	2,123
CR1-C36-P	Participant	Structure	663,181	4,990,600	615.0	46.2	1,532
CR1-C37-P **	Participant	Structure	663,563	4,991,342	605.1	46.5	1,631
CR1-C38-NP	Non-P	Structure	660,639	4,991,557	597.0	41.0	3,474
CR1-C39-NP	Non-P	Structure	660,144	4,991,670	588.0	42.2	2,605
CR1-C40-NP	Non-P	Structure	657,865	4,991,818	583.7	41.5	2,690
CR1-C41-NP	Non-P	Structure	665,053	4,992,084	576.1	45.0	2,359
CR1-C42-P	Participant	Structure	659,458	4,992,229	580.0	44.6	1,801
CR1-C44-NP	Non-P	Structure	665,076	4,993,095	578.2	44.0	2,155
CR1-C45-NP	Non-P	Structure	653,390	4,993,503	573.2	35.1	5,673
CR1-C46-NP	Non-P	Structure	655,802	4,993,540	609.1	44.4	1,680
CR1-C47-P	Participant	Structure	662,825	4,993,508	613.9	39.5	3,750
CR1-C48-P	Participant	Structure	664,247	4,993,646	588.0	44.7	1,847
CR1-C49-P	Participant	Structure	662,250	4,993,731	609.0	38.4	5,148
CR1-C50-P	Participant	Structure	656,806	4,994,388	621.0	46.8	1,591

* Pending

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Table C-1: Crowned Ridge Sound Level Tabular Results Sorted by Receptor ID
Realistic case sound results at land parcel boundaries and occupied structures
Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
Codrington County
continued

Receptor ID	Participation Status	Type	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-C51-P	Participant	Structure	657,455	4,995,160	621.0	44.1	1,768
CR1-C52-NP	Non-P	Structure	654,924	4,995,231	603.0	44.6	1,883
CR1-C53-NP	Non-P	Structure	663,376	4,996,043	578.8	35.3	7,201
CR1-C54-NP	Non-P	Structure	663,421	4,995,376	583.4	36.5	5,351
CR1-C55-P *	Participant	Structure	660,914	4,995,169	607.5	39.4	3,360
CR1-C56-P	Participant	Structure	655,953	4,995,244	606.5	44.7	1,972
CR1-C57-P	Participant	Structure	656,628	4,995,266	615.0	44.8	1,568
CR1-C58-NP	Non-P	Structure	657,781	4,996,906	615.0	43.7	1,647
CR1-C59-P	Participant	Structure	661,548	5,000,754	584.2	42.7	1,644
CR1-C60-NP	Non-P	Structure	656,855	4,998,565	613.5	42.1	2,592
CR1-C61-NP	Non-P	Structure	656,690	4,997,831	612.0	44.2	1,686
CR1-C62-NP	Non-P	Structure	658,375	4,995,138	615.0	44.0	1,676
CR1-C63-NP	Non-P	Structure	658,566	4,995,254	612.4	42.1	2,408
CR1-C64-P	Participant	Structure	659,436	4,992,174	581.0	44.9	1,614
CR1-C65-NP	Non-P	Structure	665,805	4,995,305	579.0	37.3	3,884
CR1-C66-NP	Non-P	Structure	659,718	4,985,032	606.0	38.9	5,800
CR1-C67-NP	Non-P	Structure	659,789	4,985,057	606.0	39.0	5,791
CR1-C68-P	Participant	Structure	662,652	4,987,606	609.0	45.4	2,146
CR1-C69-P	Participant	Structure	662,685	4,987,619	609.0	45.3	2,185
CR1-C70-NP	Non-P	Structure	665,135	4,988,293	595.9	42.1	3,540
CR1-C71-NP	Non-P	Structure	665,137	4,988,378	595.6	42.1	3,448
CR1-C72-NP	Non-P	Structure	665,158	4,988,170	594.6	42.1	3,776
CR1-C105-NP	Non-P	Structure	658,372	5,001,257	600.3	42.2	2,549
CR1-C107-NP	Non-P	Structure	656,811	4,999,855	598.8	43.9	1,401
CR1-C109-NP	Non-P	Structure	653,780	4,996,828	588.0	37.1	4,797
CR1-C110-NP	Non-P	Structure	654,385	4,996,686	593.9	40.2	2,910
CR1-C111-NP	Non-P	Structure	653,857	4,995,573	591.0	38.3	3,678
CR1-C112-NP	Non-P	Structure	660,002	4,984,908	604.6	39.0	5,627
CR2-C150-P	Participant	Structure	657,178	4,985,788	612.0	46.1	1,640

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Table C-1: Crowned Ridge Sound Level Tabular Results Sorted by Receptor ID
Realistic case sound results at occupied structures
Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
Grant County
continued

Receptor ID	Participation Status	Type	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-G12-NP	Non-P	Structure	668,229	4,989,039	575.0	38.0	4,623
CR1-G13-NP	Non-P	Structure	672,216	4,989,142	558.0	37.2	3,576
CR1-G14-NP	Non-P	Structure	668,156	4,989,332	574.1	38.8	3,940
CR1-G15-P	Participant	Structure	668,396	4,989,607	576.0	40.1	2,746
CR1-G16-NP	Non-P	Structure	668,419	4,989,861	576.0	41.8	2,070
CR1-G18-P	Participant	Structure	668,678	4,990,722	585.0	45.1	1,585
CR1-G19-P	Participant	Structure	671,018	4,990,744	570.0	43.4	2,077
CR1-G21-P	Participant	Structure	666,766	4,991,807	577.1	44.9	1,555
CR1-G22-NP	Non-P	Structure	674,670	4,991,955	527.6	34.8	5,781
CR1-G23-NP	Non-P	Structure	670,471	4,992,104	560.0	42.5	2,185
CR1-G24-P	Participant	Structure	673,058	4,992,440	539.4	40.6	2,231
CR1-G25-P	Participant	Structure	671,391	4,992,858	549.0	43.8	1,804
CR1-G26-NP	Non-P	Structure	672,589	4,993,869	531.0	39.9	3,140
CR1-G27-NP	Non-P	Structure	676,630	4,994,642	480.8	34.0	4,944
CR1-G28-P	Participant	Structure	673,113	4,994,772	513.9	43.2	1,614
CR1-G32-P	Participant	Structure	669,477	4,995,401	546.0	45.1	1,545
CR1-G33-P	Participant	Structure	668,911	4,995,550	548.7	39.9	2,779
CR1-G34-NP	Non-P	Structure	671,320	4,995,798	531.0	40.8	2,238
CR1-G36-NP	Non-P	Structure	673,559	4,996,344	498.0	35.5	6,211
CR1-G37-NP	Non-P	Structure	668,998	4,996,452	549.0	36.6	5,246
CR1-G38-P *	Participant	Structure	673,972	4,996,493	494.5	35.0	5,646
CR1-G41-P	Participant	Structure	671,563	4,997,050	497.6	37.9	3,983
CR1-G42-NP	Non-P	Structure	670,566	4,997,097	518.9	38.1	3,819
CR1-G43-NP	Non-P	Structure	661,141	5,001,721	583.6	42.9	1,909
CR1-G44-NP	Non-P	Structure	661,781	5,001,732	583.7	39.2	3,123
CR1-G59-P	Participant	Structure	675,755	4,994,888	487.7	39.6	2,605
CR1-G60-P	Participant	Structure	675,830	4,995,687	477.0	36.4	3,343
CR1-G65-P	Participant	Structure	671,496	4,994,973	537.0	45.3	1,539
CR1-G66-P	Participant	Structure	670,802	4,994,681	539.7	44.0	1,801
CR1-G67-P	Participant	Structure	669,597	4,993,440	556.1	43.2	2,106
CR1-G68-NP	Non-P	Structure	669,159	4,993,632	565.6	43.0	2,113
CR1-G77-NP	Non-P	Structure	676,031	4,992,629	502.7	33.2	5,728
CR1-G81-P	Participant	Structure	671,478	4,997,523	508.8	40.7	2,421
CR1-G105-NP	Non-P	Structure	668,696	4,998,325	549.0	35.3	6,345
CR1-G108-P	Participant	Structure	669,516	5,001,186	522.2	39.7	3,586
CR1-G109-NP	Non-P	Structure	667,064	5,000,425	566.2	40.1	2,152
CR1-G110-NP	Non-P	Structure	671,218	5,005,064	456.2	34.8	5,889
CR1-G113-NP	Non-P	Structure	666,228	5,005,549	537.0	40.3	2,746

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Realistic case sound results at occupied structures
 Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
 UTM NAD83 Zone 14
 Grant County
 continued

Receptor ID	Participation Status	Type	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-G114-NP	Non-P	Structure	666,214	5,006,667	521.1	40.8	2,205
CR1-G115-NP	Non-P	Structure	664,933	5,006,731	544.6	40.5	2,188
CR1-G117-NP	Non-P	Structure	663,801	5,005,084	581.3	35.3	4,501
CR1-G124-P	Participant	Structure	669,843	5,000,605	525.0	42.7	1,791
CR1-G125-NP	Non-P	Structure	668,289	5,000,643	543.0	42.8	1,716
CR1-G126-P	Participant	Structure	672,157	5,000,446	484.3	39.4	3,176
CR1-G127-P	Participant	Structure	669,534	4,999,939	533.8	38.8	3,369
CR1-G128-P	Participant	Structure	670,242	5,001,314	513.0	42.9	2,612
CR1-G129-P	Participant	Structure	673,111	4,997,703	478.1	36.3	4,153
CR1-G130-NP	Non-P	Structure	668,147	5,000,233	549.0	39.3	3,005
CR1-G131-P	Participant	Structure	668,466	5,005,145	505.2	42.9	2,133
CR1-G132-P	Participant	Structure	669,098	5,004,948	501.0	40.6	2,703
CR1-G133-P	Participant	Structure	669,881	5,005,460	478.8	38.3	3,556
CR1-G135-P	Participant	Structure	668,616	5,005,161	504.0	42.6	2,142
CR1-G136-P	Participant	Structure	667,706	5,004,861	522.0	42.2	2,277
CR1-G137-P	Participant	Structure	666,501	5,005,136	529.3	41.6	1,939
CR1-G138-P	Participant	Structure	664,809	5,006,456	549.0	41.8	1,824
CR1-G139-P	Participant	Structure	668,199	5,008,062	476.2	39.8	2,612
CR1-G140-P	Participant	Structure	664,546	5,007,269	551.4	35.2	4,360
CR1-G149-P	Participant	Structure	669,284	5,003,283	503.2	41.0	2,815

Table C-2: Crowned Ridge Sound Level Tabular Results Sorted by Sound Level
Realistic case sound results at land parcel boundaries and occupied structures
Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
Codington County

Receptor ID	Participation Status	Type	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-C105-NP	Non-P	Boundary	658,351	5,000,265	609.0	49.8	604
CR1-C16-NP	Non-P	Boundary	661,642	4,985,677	597.0	48.8	948
CR1-C62-NP	Non-P	Boundary	658,155	4,994,994	614.5	48.7	820
CR1-C71-NP	Non-P	Boundary	664,658	4,987,355	600.0	48.6	1,050
CR1-C107-NP	Non-P	Boundary	655,923	4,998,435	595.6	48.5	673
CR1-C39-NP	Non-P	Boundary	659,741	4,991,242	583.3	48.5	856
CR1-C61-NP	Non-P	Boundary	656,926	4,997,851	612.0	47.8	912
CR1-C38-NP	Non-P	Boundary	660,955	4,990,468	591.2	47.3	1,027
CR1-C7-NP	Non-P	Boundary	661,266	4,985,387	591.0	46.6	1,253
CR1-C14-NP	Non-P	Boundary	657,803	4,986,003	609.0	46.1	1,191
CR1-C41-NP	Non-P	Boundary	664,801	4,991,929	578.8	46.1	1,585
CR1-C34-NP	Non-P	Boundary	658,763	4,990,247	589.4	45.8	1,293
CR1-C52-NP	Non-P	Boundary	654,986	4,995,398	603.0	45.8	1,335
CR1-C111-NP	Non-P	Boundary	654,576	4,995,809	599.1	45.6	1,240
CR1-C58-NP	Non-P	Boundary	657,839	4,997,040	615.0	45.4	732
CR1-C46-NP	Non-P	Boundary	655,910	4,993,469	609.0	45.1	561
CR1-C9-NP	Non-P	Boundary	665,462	4,985,115	609.0	45.0	1,079
CR1-C28-NP	Non-P	Boundary	665,432	4,989,009	583.9	44.9	1,483
CR1-C40-NP	Non-P	Boundary	658,706	4,991,231	579.8	44.9	1,555
CR1-C31-NP	Non-P	Boundary	665,639	4,989,013	584.7	44.5	1,637
CR1-C44-NP	Non-P	Boundary	665,447	4,992,972	578.1	44.4	1,824
CR1-C29-NP	Non-P	Boundary	666,496	4,989,001	574.3	42.7	1,952
CR1-C70-NP	Non-P	Boundary	664,953	4,987,981	596.1	42.7	3,225
CR1-C60-NP	Non-P	Boundary	656,539	4,998,453	609.3	42.6	2,218
CR1-C63-NP	Non-P	Boundary	658,543	4,995,211	606.8	42.4	2,277
CR1-C27-NP	Non-P	Boundary	656,658	4,988,484	587.2	42.1	1,749
CR1-C110-NP	Non-P	Boundary	654,553	4,996,633	588.7	41.3	2,365
CR1-C109-NP	Non-P	Boundary	654,533	4,997,357	592.6	40.9	1,909
CR1-C4-NP	Non-P	Boundary	659,890	4,985,620	605.2	40.5	3,914
CR1-C112-NP	Non-P	Boundary	660,152	4,984,994	604.0	39.4	5,075
CR1-C3-NP	Non-P	Boundary	657,812	4,984,785	603.4	39.4	2,936
CR1-C65-NP	Non-P	Boundary	665,516	4,995,045	578.0	39.2	2,825
CR1-C32-NP	Non-P	Boundary	657,187	4,989,566	573.2	38.1	3,714
CR1-C33-NP	Non-P	Boundary	657,126	4,990,843	567.0	38.0	5,856
CR1-C2-NP	Non-P	Boundary	658,435	4,984,609	601.8	37.7	5,036
CR1-C53-NP	Non-P	Boundary	664,171	4,995,340	580.5	37.4	4,009
CR1-C45-NP	Non-P	Boundary	653,821	4,993,552	573.0	36.7	4,291
CR1-C54-NP	Non-P	Boundary	663,495	4,995,329	582.9	36.6	5,075
CR1-C1-NP	Non-P	Boundary	657,276	4,983,921	590.3	36.5	4,258

* Pending

** Under Option but Likely to Expire / Not Re-sign

Table C-2: Crowned Ridge Sound Level Tabular Results Sorted by Sound Level
Realistic case sound results at land parcel boundaries and occupied structures
Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
Codington County
continued

Receptor ID	Participation Status	Type	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-C13-P *	Participant	Boundary	664,431	4,986,195	615.0	54.0	1,739
CR1-C48-P	Participant	Boundary	664,262	4,992,514	586.6	53.6	410
CR1-C18-P *	Participant	Boundary	664,114	4,986,526	609.4	52.4	2,146
CR1-C10-P	Participant	Boundary	662,869	4,985,477	601.7	52.2	610
CR1-C11-P *	Participant	Boundary	664,473	4,985,211	608.8	51.5	1,614
CR1-C51-P	Participant	Boundary	657,753	4,994,889	620.0	51.5	564
CR1-C30-P	Participant	Boundary	661,978	4,989,318	612.8	51.3	1,614
CR2-C150-P	Participant	Boundary	657,308	4,986,173	600.0	51.3	1,640
CR1-C15-P	Participant	Boundary	663,047	4,985,700	612.9	51.1	1,952
CR1-C37-P **	Participant	Boundary	663,879	4,990,574	594.0	51.1	1,631
CR1-C42-P	Participant	Boundary	659,828	4,992,807	580.1	51.1	1,801
CR1-C20-P	Participant	Boundary	662,024	4,987,612	604.2	51.0	2,336
CR1-C59-P	Participant	Boundary	661,380	5,000,092	591.5	50.2	623
CR1-C19-P	Participant	Boundary	660,393	4,987,529	608.4	50.1	1,722
CR1-C64-P	Participant	Boundary	659,129	4,991,995	576.6	50.0	1,614
CR1-C17-P	Participant	Boundary	658,819	4,986,842	611.4	49.7	1,886
CR1-C50-P	Participant	Boundary	656,239	4,994,042	618.0	49.6	984
CR1-C55-P *	Participant	Boundary	660,139	4,994,937	607.0	49.4	3,360
CR1-C36-P	Participant	Boundary	663,564	4,990,731	610.7	48.3	1,532
CR1-C35-P	Participant	Boundary	661,955	4,990,153	606.1	47.2	2,123
CR1-C47-P	Participant	Boundary	663,454	4,992,888	612.0	46.8	3,750
CR1-C57-P	Participant	Boundary	656,526	4,995,198	616.1	45.8	1,568
CR1-C56-P	Participant	Boundary	655,385	4,995,606	603.0	45.6	1,972
CR1-C12-P	Participant	Boundary	662,067	4,985,677	605.1	45.3	1,670
CR1-C26-P	Participant	Boundary	658,015	4,987,993	606.7	43.5	3,484
CR1-C8-P	Participant	Boundary	661,277	4,984,852	597.0	43.1	3,740
CR1-C49-P	Participant	Boundary	662,224	4,993,664	609.0	38.5	5,148
CR1-C6-P	Participant	Boundary	663,383	4,994,502	591.0	38.5	3,878
CR1-C9-NP	Non-P	Structure	665,352	4,985,004	609.0	47.7	1,621
CR1-C41-NP	Non-P	Structure	665,053	4,992,084	576.1	45.0	2,359
CR1-C52-NP	Non-P	Structure	654,924	4,995,231	603.0	44.6	1,883
CR1-C34-NP	Non-P	Structure	658,661	4,990,389	588.2	44.5	1,726
CR1-C46-NP	Non-P	Structure	655,802	4,993,540	609.1	44.4	1,680
CR1-C61-NP	Non-P	Structure	656,690	4,997,831	612.0	44.2	1,686
CR1-C44-NP	Non-P	Structure	665,076	4,993,095	578.2	44.0	2,155
CR1-C62-NP	Non-P	Structure	658,375	4,995,138	615.0	44.0	1,676
CR1-C107-NP	Non-P	Structure	656,811	4,999,855	598.8	43.9	1,401
CR1-C58-NP	Non-P	Structure	657,781	4,996,906	615.0	43.7	1,647

* Pending

** Under Option but Likely to Expire / Not Re-sign

Table C-2: Crowned Ridge Sound Level Tabular Results Sorted by Sound Level
Realistic case sound results at land parcel boundaries and occupied structures
Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
Codington County
continued

Receptor ID	Participation Status	Type	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-C14-NP	Non-P	Structure	657,982	4,985,894	609.0	43.4	1,880
CR1-C31-NP	Non-P	Structure	665,939	4,988,950	585.4	43.4	2,126
CR1-C16-NP	Non-P	Structure	661,960	4,986,288	606.0	43.3	2,736
CR1-C105-NP	Non-P	Structure	658,372	5,001,257	600.3	42.2	2,549
CR1-C39-NP	Non-P	Structure	660,144	4,991,670	588.0	42.2	2,605
CR1-C28-NP	Non-P	Structure	665,429	4,988,598	590.9	42.1	2,831
CR1-C60-NP	Non-P	Structure	656,855	4,998,565	613.5	42.1	2,592
CR1-C63-NP	Non-P	Structure	658,566	4,995,254	612.4	42.1	2,408
CR1-C70-NP	Non-P	Structure	665,135	4,988,293	595.9	42.1	3,540
CR1-C71-NP	Non-P	Structure	665,137	4,988,378	595.6	42.1	3,448
CR1-C72-NP	Non-P	Structure	665,158	4,988,170	594.6	42.1	3,776
CR1-C40-NP	Non-P	Structure	657,865	4,991,818	583.7	41.5	2,690
CR1-C29-NP	Non-P	Structure	666,572	4,988,867	575.9	41.4	2,457
CR1-C7-NP	Non-P	Structure	660,893	4,984,861	593.2	41.3	3,022
CR1-C38-NP	Non-P	Structure	660,639	4,991,557	597.0	41.0	3,474
CR1-C110-NP	Non-P	Structure	654,385	4,996,686	593.9	40.2	2,910
CR1-C27-NP	Non-P	Structure	656,876	4,988,683	583.0	40.0	2,549
CR1-C112-NP	Non-P	Structure	660,002	4,984,908	604.6	39.0	5,627
CR1-C67-NP	Non-P	Structure	659,789	4,985,057	606.0	39.0	5,791
CR1-C5-NP	Non-P	Structure	659,958	4,984,794	604.8	38.9	5,659
CR1-C66-NP	Non-P	Structure	659,718	4,985,032	606.0	38.9	5,800
CR1-C3-NP	Non-P	Structure	657,888	4,984,697	604.2	38.8	3,294
CR1-C4-NP	Non-P	Structure	659,744	4,984,749	606.0	38.5	5,981
CR1-C111-NP	Non-P	Structure	653,857	4,995,573	591.0	38.3	3,678
CR1-C2-NP	Non-P	Structure	658,791	4,984,483	602.0	37.4	6,273
CR1-C33-NP	Non-P	Structure	656,839	4,990,404	569.8	37.3	6,719
CR1-C65-NP	Non-P	Structure	665,805	4,995,305	579.0	37.3	3,884
CR1-C109-NP	Non-P	Structure	653,780	4,996,828	588.0	37.1	4,797
CR1-C32-NP	Non-P	Structure	655,843	4,989,581	568.8	37.0	3,714
CR1-C54-NP	Non-P	Structure	663,421	4,995,376	583.4	36.5	5,351
CR1-C53-NP	Non-P	Structure	663,376	4,996,043	578.8	35.3	7,201
CR1-C45-NP	Non-P	Structure	653,390	4,993,503	573.2	35.1	5,673
CR1-C1-NP	Non-P	Structure	656,743	4,983,525	596.0	34.9	5,541
CR1-C11-P *	Participant	Structure	664,111	4,985,679	609.0	47.9	1,614
CR1-C30-P	Participant	Structure	661,699	4,988,957	615.0	47.9	1,614
CR1-C10-P	Participant	Structure	663,510	4,985,195	609.0	47.0	1,762
CR1-C13-P *	Participant	Structure	663,792	4,985,785	612.0	46.9	1,739
CR1-C50-P	Participant	Structure	656,806	4,994,388	621.0	46.8	1,591

* Pending

** Under Option but Likely to Expire / Not Re-sign

Table C-2: Crowned Ridge Sound Level Tabular Results Sorted by Sound Level
Realistic case sound results at land parcel boundaries and occupied structures
Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
Codington County
continued

Receptor ID	Participation Status	Type	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-C37-P **	Participant	Structure	663,563	4,991,342	605.1	46.5	1,631
CR1-C19-P	Participant	Structure	659,243	4,987,276	611.6	46.4	1,722
CR1-C36-P	Participant	Structure	663,181	4,990,600	615.0	46.2	1,532
CR1-C15-P	Participant	Structure	663,291	4,986,026	615.0	46.1	1,952
CR2-C150-P	Participant	Structure	657,178	4,985,788	612.0	46.1	1,640
CR1-C68-P	Participant	Structure	662,652	4,987,606	609.0	45.4	2,146
CR1-C69-P	Participant	Structure	662,685	4,987,619	609.0	45.3	2,185
CR1-C17-P	Participant	Structure	658,031	4,986,373	609.1	45.1	1,886
CR1-C64-P	Participant	Structure	659,436	4,992,174	581.0	44.9	1,614
CR1-C18-P *	Participant	Structure	663,651	4,987,157	610.4	44.8	2,146
CR1-C57-P	Participant	Structure	656,628	4,995,266	615.0	44.8	1,568
CR1-C48-P	Participant	Structure	664,247	4,993,646	588.0	44.7	1,847
CR1-C56-P	Participant	Structure	655,953	4,995,244	606.5	44.7	1,972
CR1-C42-P	Participant	Structure	659,458	4,992,229	580.0	44.6	1,801
CR1-C20-P	Participant	Structure	663,054	4,987,455	606.0	44.5	2,336
CR1-C12-P	Participant	Structure	662,222	4,985,736	603.0	44.3	2,201
CR1-C51-P	Participant	Structure	657,455	4,995,160	621.0	44.1	1,768
CR1-C35-P	Participant	Structure	662,025	4,990,475	609.0	43.9	2,123
CR1-C12-1-P	Participant	Structure	662,199	4,986,047	606.0	43.6	2,818
CR1-C59-P	Participant	Structure	661,548	5,000,754	584.2	42.7	1,644
CR1-C21-P	Participant	Structure	660,756	4,984,086	594.0	42.0	2,388
CR1-C22-P	Participant	Structure	660,755	4,984,082	594.0	42.0	2,375
CR1-C23-P	Participant	Structure	660,619	4,984,078	595.8	41.5	2,523
CR1-C26-P	Participant	Structure	657,767	4,988,493	597.0	40.6	3,484
CR1-C8-P	Participant	Structure	660,532	4,984,445	599.4	40.1	3,740
CR1-C47-P	Participant	Structure	662,825	4,993,508	613.9	39.5	3,750
CR1-C55-P *	Participant	Structure	660,914	4,995,169	607.5	39.4	3,360
CR1-C49-P	Participant	Structure	662,250	4,993,731	609.0	38.4	5,148
CR1-C6-P	Participant	Structure	662,989	4,995,228	599.8	36.5	6,102

* Pending ** Under Option but Likely to Expire / Not Re-sign

Table C-2: Crowned Ridge Sound Level Tabular Results Sorted by Sound Level

Realistic case sound results at occupied structures

Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's

UTM NAD83 Zone 14

Grant County

continued

Receptor ID	Participation Status	Type	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-G68-NP	Non-P	Structure	669,159	4,993,632	565.6	43.0	2,113
CR1-G43-NP	Non-P	Structure	661,141	5,001,721	583.6	42.9	1,909
CR1-G125-NP	Non-P	Structure	668,289	5,000,643	543.0	42.8	1,716
CR1-G23-NP	Non-P	Structure	670,471	4,992,104	560.0	42.5	2,185
CR1-G16-NP	Non-P	Structure	668,419	4,989,861	576.0	41.8	2,070
CR1-G114-NP	Non-P	Structure	666,214	5,006,667	521.1	40.8	2,205
CR1-G34-NP	Non-P	Structure	671,320	4,995,798	531.0	40.8	2,238
CR1-G115-NP	Non-P	Structure	664,933	5,006,731	544.6	40.5	2,188
CR1-G113-NP	Non-P	Structure	666,228	5,005,549	537.0	40.3	2,746
CR1-G109-NP	Non-P	Structure	667,064	5,000,425	566.2	40.1	2,152
CR1-G26-NP	Non-P	Structure	672,589	4,993,869	531.0	39.9	3,140
CR1-G130-NP	Non-P	Structure	668,147	5,000,233	549.0	39.3	3,005
CR1-G44-NP	Non-P	Structure	661,781	5,001,732	583.7	39.2	3,123
CR1-G14-NP	Non-P	Structure	668,156	4,989,332	574.1	38.8	3,940
CR1-G42-NP	Non-P	Structure	670,566	4,997,097	518.9	38.1	3,819
CR1-G12-NP	Non-P	Structure	668,229	4,989,039	575.0	38.0	4,623
CR1-G13-NP	Non-P	Structure	672,216	4,989,142	558.0	37.2	3,576
CR1-G37-NP	Non-P	Structure	668,998	4,996,452	549.0	36.6	5,246
CR1-G36-NP	Non-P	Structure	673,559	4,996,344	498.0	35.5	6,211
CR1-G105-NP	Non-P	Structure	668,696	4,998,325	549.0	35.3	6,345
CR1-G117-NP	Non-P	Structure	663,801	5,005,084	581.3	35.3	4,501
CR1-G110-NP	Non-P	Structure	671,218	5,005,064	456.2	34.8	5,889
CR1-G22-NP	Non-P	Structure	674,670	4,991,955	527.6	34.8	5,781
CR1-G27-NP	Non-P	Structure	676,630	4,994,642	480.8	34.0	4,944
CR1-G77-NP	Non-P	Structure	676,031	4,992,629	502.7	33.2	5,728
CR1-G65-P	Participant	Structure	671,496	4,994,973	537.0	45.3	1,539
CR1-G18-P	Participant	Structure	668,678	4,990,722	585.0	45.1	1,585
CR1-G32-P	Participant	Structure	669,477	4,995,401	546.0	45.1	1,545
CR1-G21-P	Participant	Structure	666,766	4,991,807	577.1	44.9	1,555
CR1-G66-P	Participant	Structure	670,802	4,994,681	539.7	44.0	1,801
CR1-G25-P	Participant	Structure	671,391	4,992,858	549.0	43.8	1,804
CR1-G19-P	Participant	Structure	671,018	4,990,744	570.0	43.4	2,077
CR1-G28-P	Participant	Structure	673,113	4,994,772	513.9	43.2	1,614
CR1-G67-P	Participant	Structure	669,597	4,993,440	556.1	43.2	2,106
CR1-G128-P	Participant	Structure	670,242	5,001,314	513.0	42.9	2,612
CR1-G131-P	Participant	Structure	668,466	5,005,145	505.2	42.9	2,133
CR1-G124-P	Participant	Structure	669,843	5,000,605	525.0	42.7	1,791
CR1-G135-P	Participant	Structure	668,616	5,005,161	504.0	42.6	2,142

* Pending

** Under Option but Likely to Expire / Not Re-sign

Table C-2: Crowned Ridge Sound Level Tabular Results Sorted by Sound Level
Realistic case sound results at occupied structures
Results using GE 2.3-116-90 m HH, GE 2.3-116-80 m HH WTG's
UTM NAD83 Zone 14
Grant County
continued

Receptor ID	Participation Status	Type	Easting (m)	Northing (m)	Elevation AMSL (m)	Real Case Sound (dB(A))	Distance to Nearest Turbine (ft)
CR1-G136-P	Participant	Structure	667,706	5,004,861	522.0	42.2	2,277
CR1-G138-P	Participant	Structure	664,809	5,006,456	549.0	41.8	1,824
CR1-G137-P	Participant	Structure	666,501	5,005,136	529.3	41.6	1,939
CR1-G149-P	Participant	Structure	669,284	5,003,283	503.2	41.0	2,815
CR1-G81-P	Participant	Structure	671,478	4,997,523	508.8	40.7	2,421
CR1-G132-P	Participant	Structure	669,098	5,004,948	501.0	40.6	2,703
CR1-G24-P	Participant	Structure	673,058	4,992,440	539.4	40.6	2,231
CR1-G15-P	Participant	Structure	668,396	4,989,607	576.0	40.1	2,746
CR1-G33-P	Participant	Structure	668,911	4,995,550	548.7	39.9	2,779
CR1-G139-P	Participant	Structure	668,199	5,008,062	476.2	39.8	2,612
CR1-G108-P	Participant	Structure	669,516	5,001,186	522.2	39.7	3,586
CR1-G59-P	Participant	Structure	675,755	4,994,888	487.7	39.6	2,605
CR1-G126-P	Participant	Structure	672,157	5,000,446	484.3	39.4	3,176
CR1-G127-P	Participant	Structure	669,534	4,999,939	533.8	38.8	3,369
CR1-G133-P	Participant	Structure	669,881	5,005,460	478.8	38.3	3,556
CR1-G41-P	Participant	Structure	671,563	4,997,050	497.6	37.9	3,983
CR1-G60-P	Participant	Structure	675,830	4,995,687	477.0	36.4	3,343
CR1-G129-P	Participant	Structure	673,111	4,997,703	478.1	36.3	4,153
CR1-G140-P	Participant	Structure	664,546	5,007,269	551.1	35.2	4,360
CR1-G38-P *	Participant	Structure	673,972	4,996,493	494.5	35.0	5,646